Amendment to the 2019 Universal Registration Document (URD)

Including the 2020
half-year financial report

AUTORITÉ
DES MARCHÉS FINANCIERS

Only the French version of the amendment to the 2019 Universal Registration Document has been submitted to the *Autorité des Marchés Financier* (AMF). It is therefore the only version that is legally binding.

This amendment to the Universal Registration Document was filed on July 30, 2020 with the AMF in its capacity as the competent authority under Regulation (EU) 2017/1129, without prior approval in accordance with Article 9 of that Regulation.

The French version of the Universal Registration Document may be used for the purpose of a public offering of financial securities or the admission of financial securities for trading on a regulated market if it is supplemented by a securities note and, as the case may be, a summary and all amendments made to the Universal Registration Document. The resulting set of documents is approved by the AMF in accordance with Regulation (EU) 2017/1129.

This amendment updates and should be read together with the 2019 Universal Registration Document filed with the AMF on March 3, 2020 under registration number D.20-0096.

A cross-reference table is included in this amendment to allow readers to locate easily the information that is incorporated by reference and the information that has been updated or modified.

The 2019 Universal Registration Document and this amendment are available on the Atos website (www.atos.net), in the Investors / Regulated Information section, and on the AMF website (www.amf-france.org).

Content

A. Activity Report

A.1 Focus on Covid-19 impact on current Atos business

Atos has taken care of its employees

In this unprecedented environment, the first priority of Atos has been to protect its people while supporting efforts globally to curb the spread of the Covid-19.

Its very centralized organizational model allowed Atos to react very quickly to take care of its employees. The Group immediately adopted all hygiene and safety guidelines as published by the World Health Organization and all the 73 local governments where it has employees, including the quarantine recommendations when necessary, the distribution of masks, gels, and sanitation equipment to those requiring office or factory work.

Its Crisis Management Task Forces took the lead for employee care with the fast set-up of an Alert Infrastructure, mobilizing the Group Human Resources network, to provide individual support for those with Covid-19 symptoms and diagnosis.

Also, employees fully adopted work from home across the Group, moving from circa 30% in normal time to 96% work from home, worldwide, in a manner of days, including a massive movement to home working in India in less than 24 hours. The Group has also provided emotional and mental support for employees isolated at home.

Finally, and obviously, most travels have been stopped.

Atos has supported its customers during the crisis

While taking care of its employees, the business continuity plans the Group set up ensure continuity of service for all customers through massive homeworking support, Service Desk and Digital Workplace, as well as seamless continuation of mission critical activities (hospitals, polices and governments, energy production, etc.). In particular, the Group quickly rolled out Communications & Collaboration technologies to enable remote working and social distancing at its customers.

As soon as in the early days of the crisis, the Group launched its "Always Ready" program and portfolio, especially dedicated to Covid-19 related needs. It's a collection of Customer Cases, Offerings and Actions on how it is helping communities and clients to respond to the situation. Whether it's rapidly enabling telemedicine in hospitals or printing 3D visors, Atos employees are working hard to contribute to the fight supporting Customers and Communities on a daily basis.

The Group strongly supports its customers reinforcing their cybersecurity at a moment where they are more critical than ever for business continuity and potentially targeted by an increased cyberthreat.

Supporting Public and Health authorities is at the heart of the Atos' concerns, with an immediate response for accelerating critical research on Covid-19 with its HPC, analytics and other services, but also to support emergency communications dispatching and help pandemic tracking with critical real-time information on outbreaks allowing to reduce time to react.

Now minds and efforts are turning to the post-Covid times, actively preparing for the "new normal" which will see an acceleration in specific customers' needs, namely data platforms, cybersecurity, cloud migration, digital workplace, and decarbonization.

The Group is solidly positioned to navigate smoothly through the crisis thanks to deep client relationships across all industries, a resilient business profile and a robust balance sheet that provides a strong financial flexibility.

Atos has demonstrated its resilient profile

This crisis enabled Atos to demonstrate its resilience coming from its multi-year contracts that generate two thirds of the Group revenue, deriving from Infrastructure & Data Management and Application Management contracts within Business & Platform Solutions. In Big Data & Cybersecurity, most of Atos's services and products are absolutely necessary to its customers, including and sometimes even more, in crisis times. In total circa 75% of Group revenue is made of critical services.

The composition of its customer base also brings resilience as Atos is mainly performing business with large companies having more than 1€bn annual revenue or with the public sector or similar bodies. Together, they represent 90% of revenue.

In addition, the Group has a well-balanced Industry mix. Indeed, the largest Industry is Manufacturing which represents "only" 20% of Group revenue and the smallest exposure is Healthcare & Life Sciences which represents 12% of the business. The all four others being in between 15% and 20%.

Moreover, the Group is under exposed to the most impacted sectors at the moment, and rather over exposed to the most resilient ones. For exemple, the exposure to Travel & Leisure is only circa 2% of our revenue.

2020 objectives post Covid-19

As the 2020 objectives disclosed on February 19, 2020 were pre Covid-19 effect, the Group has updated at the occasion of its Q1 revenue release on April 22, 2020 its three objectives for the full year 2020:

- A revenue organic evolution between -2% and -4% (versus c. +2% pre Covid-19);
- An operating margin rate between 9% and 9.5% of revenue (versus +20 bps to +40 bps above 2019 pre Covid-19, as a reminder in 2019 we reported 10.3%);
- A free cash flow between € 0.5 billion and € 0.6 billion (versus c. € 0.7 billion pre Covid-19).

The assumptions which led to these 2020 objectives post Covid-19 are described hereunder.

The Group has suspended its targets for 2021, the last year of the three-year plan presented at the Investor Day held on January 30, 2019. On June 24, 2020, the Group held its 2020 Analyst Day where it has presented its vision as well as its mid-term target, described within section A.2.

Assumptions regarding Covid-19 impact on 2020 revenue

The main effect relates to discretionary projects, mainly on professional services which normally are delivered on customer sites, and also to take into account a coming slowdown on customer demand for projects not considered as mandatory in the current environment. We have estimated this effect from March to the end of the year at c. -450 million euros.

Another effect is on fertilization and volumes for c. -200 million euros on multi-year contracts.

The Group also estimated less product sales for c. -100 million euros.

On the other side, in the current context where people in all organizations are constraint to work from home generate an additional demand on digital workplace, enterprise communications, and obviously security offerings. This will lead to c. +100 million euros positive impact on revenue.

Finally, the Group has also identified additional requirements in the Public Sector such as High Performance Computing for instance for research centers. We have estimated this effect at c. +50 million euros.

All in all, we moved to a bracket between -2% and -4% organic evolution this year.

Assumptions regarding Covid-19 impact on 2020 operating margin

Non personnel costs and discretionary spend have been restricted and the Group implemented a strong purchase order freeze for non-customer related requirements. Subcontractors furlough for Time & Material and Outsourced Services were put in place, and replaced when possible with the Group own staff capabilities. A large review of key suppliers was also initiated, asking for volume reductions, additional discounts, or starting price renegotiation. This will lead to c. +170 million euros savings.

As far as the Atos employees are concerned, the Group froze hiring and took actions on bonuses and salary increases, asked employees to take vacations when there is no impact on the business, and when absolutely required we implemented short time work. In addition, internal staff has been reassigned to surging needs such as mission critical deliveries. The Group expects that the effect of hiring freeze as well as the implementation when necessary part-time work and furlough in several countries generate c. +80 million euros savings. In addition, the effect of salary freeze and also on reduced variable pay may provide c. +90 million euros savings.

In addition, travel freeze is expected to save c. +40 million euros this year as well as other actions on the cost base to save c. +20 million euros.

Finally, all the actions identified and launched will mitigate the revenue decrease by +400 million euros, leading to a post Covid-19 operating margin objective between 9% and 9.5%.

Assumptions regarding Covid-19 impact on 2020 free cash flow

The Group has updated the pre Covid-19 2020 free cash flow objective of c. 700 million euros disclosed on February 19, 2020 to take into account the operating margin decrease described above (i.e. c. -150 million euros after tax).

The Group also factored in its new estimate a negative effect from collections of receivables of c. -50 million euros.

These both effects will be partly mitigated by several actions such as reducing Capex by c. +25 million euros and other items by c. +25 million euros.

This leads to a post Covid-19 2020 free cash flow objective between 500 and 600 million euros.

Exceptional cancellation of dividend payment in 2020

In these unprecedented circumstances, during its session on April 21, 2020, the Board of Directors took the exceptional decision not to propose the 1.40 euro per share dividend which was initially considered to be submitted to the Annual General Meeting. In addition, the Chief Executive Officer as well as other members of the General Management Committee have decided to reduce by 30% their compensation during the three-month period from March to May 2020. The Chairman of the Board of Directors has made the same decision.

The Group confirms that the cancellation of the dividend this year is an exception to its dividend policy with a pay-out ratio between 25% and 30% of Net income Group share.

A.2 Atos Analyst Day 2020

On June 24, 2020, at the occasion of a fully global and digital 2020 Analyst Day, the Group has presented its Vision, Ambition and Strategy in the mid-term.

Mid-term targets

The Group's ambition is to reach the following targets in the mid-term:

- **Revenue growth** at constant currency: +5% to +7%;
- **Operating margin rate**: 11% to 12% of revenue;
- **Free cash flow**: an operating margin conversion rate to free cash flow above 60%.

Vision, Ambition & Strategy

The Group believes that Digitalization has delivered only a fraction of its potential. While the data deluge of the last decade will accelerate, it will now be topped by a profusion of data-driven services. In this new era, customers are calling for **value** – they want outcome-based services –, **experience** – they want innovative and flexible services –, and **safety** – they want secure and decarbonized services.

Those customer calls focus on 7 key digital breakthroughs which turn into growth levers for Atos leveraging on its skills and assets:

1. **Full Stack Cloud**

The move to the Cloud is accelerating into Hybrid Cloud (Private and Public Clouds), multi-Cloud (across several Public Clouds), and convergent Cloud strategies (migration and modernization of Data, Platforms and Applications together) building a holistic approach to the Cloud, a Full Stack Cloud. This evolution requires an increased orchestration function. In addition, the most complex application landscapes have started to move into the Cloud. Atos is building on its new profile (Application Modernization expertise from Syntel), its longstanding expertise in Business Critical Applications and SAP, and its strong proximity with Hyperscalers to seize this Full Stack Cloud shaping and acceleration.

2. **Business Critical Applications**

Digitalization accelerates into Business Critical Applications territory requiring an intensification of cloudification, Data analytics, IoT, local data processing, and 5G. Business continuity criticality emphasized during the Covid-19 crisis has been fostering further this trend. Atos is leveraging on its DNA in vertical Business Critical Applications enhanced by SPRING transformation, and its local data processing capabilities (Edge computing) to capture this natural sizeable market opportunity.

3. Digital Platforms

Digital Platforms have become the first business transformation priority of CEOs for the years to come, and will be originating an estimated 70% of the new value created in the economy. Digital Platforms, which enable the sharing data from enterprises within or across value chains, is a transformative trend with a huge untapped opportunity in the B2B world. Through its end-to-end digital capabilities combined with a deep industry knowledge, Atos, as a recognized leader in Security and Computing, is ideally positioned as the neutral enterprise Digital Platforms' operator.

4. Customer Experience

In this new era of Digitialization, Customer Experience will be critical to expand the reach of the newly created data-driven services. This will leave the sole domain of user interface to encompass further immersive experience, real-time innovation and seamless omni-channel, as well as "No User Interface" logics. Atos leverages on IP-driven solutions to bring technologies such as Artificial Intelligence/Machine Learning (AI/ML), IoT / Edge (Local Computing), and real-time Cloud and Application architectures to Customer Experience territory to unleash the power of Digitalization.

5. Employee Experience

Further to the Covid-19 crisis, the Group, who is already a Digital Workplace market leader, estimates that organizations will move from 10% to more than 40% of work-from-home in the new normal. Leaving behind the quick fixes implemented during the crisis, the period to come will see Digital Workplace replaced by a holistic Employee Experience approach, including reimagined collaboration and flexible working. Building on its strong Unified Communications and Security solutions, its partner ecosystem, and its Industry specific Design Thinking and Personas, Atos intends to become the distant leader in Employee Experience in the new normal.

6. Digital Security

Digital Security encompasses Cybersecurity, but also Mission Critical Systems, IoT Security, and Economic Security – pointing at the willingness from customers not to depend on a single technology provider. Cybersecurity is evolving at a very quick pace due to an ever changing Cyber threat landscape, a pervasive Data environment, and an increased attack surface resulting from « hybrid digital ». Atos is today #3 in Cybersecurity services worldwide, and has developed a unique Cybersecurity innovation track record in order to protect end users, IoT and Data as well as detecting and responding to threats with its prescriptive Security Operation Centers. The Group intends to complement its technologies through Managed extended Detection & Response, Privilege Access Management, and Cloud Encryption. The Group ambitions to reach more than €2bn revenue in Digital Security in the mid-term.

7. Decarbonization

Atos has developed over the past 10 years a unique Decarbonization expertise, well recognized by all sustainability rankings. The Group has decided to announce today its commitment to be **Net-Zero Carbon by 2035**, reinforcing its leadership. Decarbonization is now entering the Boardrooms of customers, and is supported by unprecedented public policies and societal aspirations. Atos can leverage on its unique know-how to shape new Decarbonization value propositions to customers, both in core IT and in business processes, and seize a market opportunity reaching close to $30bn for the sole Green IT in 2024. Offerings range from Decarbonization assessments to the introduction in large contracts of CO_2 reduction commitments through DLA (Decarbonization Level Agreements), and the use of key technologies such as IoT, Cloud, AI & Analytics, Digital Twin to decarbonize carbon intense business processes. Atos expects to generate more than €500m revenue in the mid-term in Decarbonization.

Based on the above Digital breakthroughs, its unique skills and assets, Atos ambitions to become the Leader in Secure and Decarbonized Digital.

Use of cash and M&A policy

The Group maintains its dividend policy going forward with a payout ratio between 25% and 30% of net income Group share. The remaining free cash flow will be used to self-finance acquisitions (and to buy back a limited number of shares to deliver long-term incentive plans). The Group targets bolt-on acquisitions to boost key portfolio offerings, and Cybersecurity companies. Considering its limited level of net debt, leverage remains available for sizeable and transformative M&A. This use of cash and M&A policy with continue to be underpinned by a strict financial discipline.

A.3 Atos in the first half of 2020

January

Atos announced on **January 7**, it signed a four-year contract to supply its BullSequana XH2000 supercomputer, to the University of Luxembourg, renowned European university and international leader in research. The supercomputer, named as 'AION', will allow the university to further accelerate research and to face global competition, by achieving cutting-edge results.

On **January 13**, Atos signed a new four-year contract worth over €80 million (approximately £67.8 million) with the European Centre for Medium-Range Weather Forecasts (ECMWF) to supply its BullSequana XH2000 supercomputer, which is one of the most powerful meteorological supercomputers in the world. It will increase ECMWF's computing power by a factor of around 5 and will support hundreds of researchers from over 30 countries across Europe in their work on medium and long-range weather forecasting and prediction. Notably, it will enable them to reliably predict the occurrence and intensity of extreme weather events significantly ahead of time, essential to respond to the climate and weather crisis facing us today.

On **January 23**, Atos announced a contract with the Regional Government of Castilla-La Mancha to support its e-Government project. The objective of this project is to digitally transform the different administrative and public services in the region.

February

On **February 4**, Atos announced that it has completed the sale of ca. € 23.9 million Worldline shares, for ca. € 1.5 billion, representing ca. 13.1% of the Worldline share capital through a private placement by way of accelerated bookbuilt offering. In case of exchange in full of the outstanding € 500 million zero per cent. Atos bonds exchangeable into Worldline shares due 2024, Atos will no longer hold any Worldline shares.

On **February 4**, Atos announced the completion of its acquisition of Maven Wave, a U.S.-based cloud and technology consulting firm specialized in delivering digital transformation solutions for large enterprises. With this acquisition, Atos reinforces its global leadership in cloud-solutions for applications, data analytics and machine learning in hybrid and multi-cloud platforms.

On **February 12**, Atos extended its strategic partnership by signing a new contract with French multinational automotive manufacturer Groupe PSA. This program is to build an SAP S/4HANA enterprise platform which integrates the two Opel-Vauxhall and Peugeot-Citroen-DS entities on a joint accounting system, in order to accelerate digital transformation across the Groupe.

On **February 17**, Atos announced that it has expanded its collaboration with Microsoft to jointly address the fast-growing SAP HANA market, targeting the most demanding customers, many of whom are running mission-critical SAP workloads.

March

On **March 12**, Atos signed a four-year contract worth £12 million with Network Rail to design, deliver and manage a new digital private cloud platform that will underpin the operations of Britain's rail infrastructure provider.

April

On **April 22**, Atos announced its acquisition of Miner & Kasch, an artificial intelligence (AI) and data science consulting firm headquartered in Elkridge, Maryland that specializes in building intelligent end-to-end, data-driven solutions. With this acquisition, Atos will enhance its big data and AI consulting practice of zData experts to accelerate its Data Science-as-a-Service offering and to deploy edge and next generation data science platforms for industry solutions at a global scale.

On **April 22**, Atos announced the revenue of its first quarter of 2020. Q1 2020 **revenue** was **€ 2,834 million**, down **-0.8% organically**. In the context of Covid-19 crisis and restrictions and lockdowns in March in most of the countries where the Group operates, revenue decreased only slightly thanks to the resilient profile of its businesses based on multi-year contracts combined with its solid business in Big Data and Cybersecurity. Moreover, and in spite of the crisis, the Group accelerated its commercial dynamism with **order entry** at **€ 2,908 million** leading to a **book to bill ratio** of **103%**, significantly up compared to last year at 86%.

On **April 28**, Atos North America was awarded a multi-year contract with the State of Texas' Department of Information Resources (DIR) to deliver next generation private cloud transformation and artificial intelligence and machine learning capabilities. This modernization will automate processes, create efficiencies, free-up resources and improve service delivery quality for the state's agencies and residents.

May

On **May 13**, Atos announced that it has sold its Atos Quantum Learning Machine (QLM), the world's highest-performing commercially available quantum simulator, through its APAC distributor Intelligent Wave Inc. (IWI), in Japan. This is the first QLM that Atos has sold in Japan.

On **May 19**, Atos announced it has delivered its Atos Quantum Learning Machine, the world's highest-performing commercially available quantum simulator, to CSC – IT Center for Science. The 30-qubit Atos Quantum Learning Machine – called Kvasi – gives the Finnish science and research community the means to prepare for the upcoming era of quantum computing.

June

On **June 2**, Atos North America announced another multi-year contract with Texas Department of Information Resources (DIR) to transform their mainframe technology with enhanced automation and rapid, consistent delivery, enabling a modern Mainframe-as-a-Service (MFaaS) model for state government agencies that serve Texas business, education and citizens. For these DIR customers, Atos' modernization allows crucial agency business, such as, child support and criminal justice, to access adaptive, resilient, affordable and secure mainframe services.

On **June 4**, Atos was proud to announce its role as a founding member of the GAIA-X Foundation, a non-profit organization that is being setup to create the next generation of data platforms for Europe, its member states, companies and citizens.

On **June 24**, at the occasion of a fully global and digital 2020 Analyst Day, Atos presented its Vision, Ambition and Strategy in the mid-term.

On **June 24**, Atos announced that it has signed an agreement to acquire AliA Consulting in France to complement its Energy & Utilities business through its subsidiary Worldgrid. The combination of the two companies will create a leading provider for energy and utility companies delivering state-of-the-art expertise in billing and CRM implementations and solutions. It will strengthen Atos' global industry strategy for the energy and utilities market and position Atos as the #1 SAP and S/4 HANA transformation provider for Utilities in Europe.

On **June 24,** Atos announced an agreement to acquire Paladion, a US-based global provider of Managed Security Services, to strengthen its global cybersecurity services. This acquisition will bring Managed Detection & Response (MDR) capabilities to the Atos portfolio and create the next generation of Atos' Prescriptive Security Operations Center offering.

On **June 24**, Atos announced its commitment to achieve net-zero carbon emissions by 2035, a date which is 15 years ahead of the ambitious aim of the UN Paris Agreement on Climate Change to limit the global warming of the planet to 1.5ºC compared to pre-industrial levels (net-zero by 2050). This decision expands Atos' ambitions on decarbonization even further, positioning decarbonization as a core element of its growth strategy and the Company as the decarbonization leader in its Industry.

On **June 30**, Atos announced a new contract with Dassault Aviation to support the integration of the Rafale aircraft into the European Future Combat Air System (SCAF, Système de Combat Aérien du Futur) program. Named "F4 standard", this new version of the Rafale will provide collaborative combat capabilities. As part of this project, Atos works on developing the new generation of the aircraft's multi-level gateway (E-SNA), effectively securing connectivity and two-way data exchange between the various onboard communication networks.

July

On **July 7**, Atos launched "Scaler, the Atos Accelerator", its new startup and SME program with a unique focus on industries, security and decarbonization. It brings together Atos' technology teams with selected startups to co-create innovative digital solutions for clients in specific industries – answering proven business use cases and benefiting from a joint and accelerated go-to-market. Atos Scaler also supports Atos' security and decarbonization strategies, making them key focuses in its approach.

On **July 7**, Atos announced the development of a new Quantum Annealing Simulator, thus becoming the world's first company to provide powerful simulation solutions to explore the two main technological paths of quantum computing: quantum annealing, via its new solution, and universal gate quantum computing, via its existing Atos Quantum Learning Machine offering (Atos QLM). Atos' Quantum Annealing Simulator will be compatible with the Atos Quantum Learning Machine, offering customers the best of both worlds while enabling them to switch quantum methods based on their specific needs.

On **July 7**, Atos announced a multi-year partnership with French multinational energy company Total, to explore new and more effective pathways to a decarbonized, energy-efficient future using quantum technologies. Leveraging Atos' unique Center for Excellence in Performance Programming (CEPP) and Quantum R&D Program, this partnership aims to use quantum calculation to identify new materials and molecules that will accelerate society's journey to carbon neutrality.

On **July 8**, Atos in agreement with the Wellcome Genome Campus, in Cambridgeshire, UK, announced its global HPC, AI & Quantum Life Sciences Centre of Excellence in order to provide organizations on Campus, and global genome and bio-data institutes worldwide, access to emerging HPC, AI & Quantum technologies.

On **July 9**, Atos and the International Olympic Committee (IOC), announced an extension to their long-standing Worldwide Olympic Partnership through to 2024.

On **July 9**, Atos announced that the Biocomputing Unit at the Spanish National Center for Biotechnology (CNB), part of the Spanish National Research Council (CSIC), is using Atos' supercomputing resource to produce a refined 3D model of the SARS-Cov2 spike protein. By knowing more detail about the structure of this protein, which is the one that the virus uses to enter human cells, researchers can better understand how the virus initiates infection. This important step forward may help in the development of a vaccine.

On **July 27**, Atos announced its financial results for the first half of 2020. **Revenue** was **€ 5,627 million**, down **-2.8%** organically. In the context of Covid-19 crisis, Group revenue decreased only slightly thanks to its solid positioning in most of the Industries. **Operating margin** reached **8.0%** of revenue representing **€ 450 million**, down -110 basis points compared to last year. The strong cost actions implemented end of Q1 have partly mitigated the revenue effect. **Order entry** reached **€ 6,280 million**, representing a **book to bill ratio** of **112%**, of which 121% in the second quarter. The **full backlog** at the end of June 2020 amounted to **€ 22.5 billion**, compared to € 21.9 billion at the end of December 2019, representing **1.9 year of revenue**. The **full qualified pipeline** was **€ 8.6 billion**, compared to € 7.4 billion at the end of December 2019 and representing **8.8 months of revenue**. Group **free cash flow** during the first half of 2020 was **€ -172 million**, compared to € +23 million in the first half of 2019. The variation results mainly from c. € -60 million less Operating Margin before Depreciation and Amortization (OMDA) and from several working capital effects which will be recovered for a large part in the second semester.

On **July 27**, Atos announced that it has entered into exclusive negotiations with shareholders from digital.security with a view to acquiring the company. digital.security, a subsidiary of Econocom group, is a leading independent player in cybersecurity in France and BeLux. This strategic move will confirm Atos' leading position in cybersecurity services in France with 500 dedicated experts and will also strengthen its number 1 position in Europe.

On **July 27**, Atos announced an agreement to acquire EcoAct, an internationally recognized carbon reduction strategy consulting firm. This acquisition will support Atos' decarbonization ambition by enriching its portfolio of carbon reduction digital solutions, services and strategies to further support its clients at every stage of their journeys towards carbon neutrality.

A.4 Management and organization

Atos is incorporated in France as a "Société Européenne" (European Company) chaired by Bertrand Meunier, Chairman of the Board of Directors, and a General Management Committee, led by Elie Girard, Chief Executive Officer. Since November 2019, the roles of Chairman and Chief Executive Officer have been separated.

On May 13, 2020, the Group announced the company has appointed Bryan Ireton as Head of North America, effective June 1, 2020. Bryan Ireton replaces Simon Walsh who pursues other opportunities outside of Atos.

On July 28, 2020, the Group announced the appointment of Yannic Tricaud as Head of Southern Europe.

As a consequence, the organization chart of the Group at the date of the filing of this Document is the following:

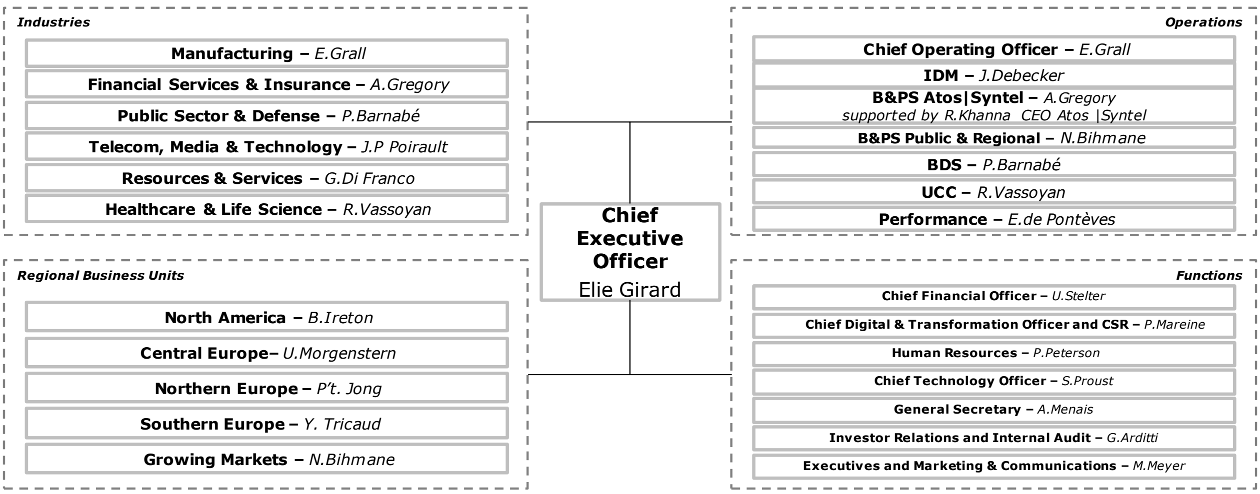
Bertrand Meunier, Chairman of Atos SE Board of Directors

Bertrand Meunier joined CVC as Managing Partner in 2012. Bertrand participated, as a Founding Partner, in the creation of PAI Partners, an independently managed company, in 1998 and in its buyout from BNP Paribas in 2002. He was a member of the Executive Committee of PAI Partners and Chairman of the Partners' Committee. He joined PAI in 1982, formerly part of BNP Paribas, and for eleven years led investments in Information Technology and Communications, before turning to Consumer Goods, Retail and Services sector and then led the investment teams. He was involved in a significant number of major transactions for PAI including Amora-Maille, Atos, Bouygues Telecom, Chr. Hansen, Panzani, Saur, SPIE, United Biscuits, Vivarte and Yoplait. Bertrand is a graduate of Ecole Polytechnique and holds a master's degree in Mathematics from Paris VI University.

Elie Girard, Chief Executive Officer

Elie Girard joined Atos in April 2014 as deputy Group Chief Financial Officer. He was appointed Group Chief Financial Officer in February 2015 and joined the Atos General Management Committee. He was appointed Group Deputy CEO in March 2019 and has been nominated CEO with effect from November 1, 2019. Before joining Atos, Elie Girard, a graduate from the Ecole Centrale Paris and Harvard University, began his career as an auditor at Andersen and then joined the Ministry of the Economy, Finance and Industry from 2002 until 2007. He joined Orange in 2007 and was appointed Chief of Staff to the Chairman and Chief Executive Officer. In September 2010, he was promoted to Senior Executive Vice-President in charge of Strategy & Development of the Orange Group and member of the Group Executive Committee.

A.4.1 Organization chart



A.4.2 Group General Management Committee (GMC)

The Atos Group General Management Committee (GMC) is composed of the Chief Executive Officer, Elie Girard, and the Heads of Group Industries, Operations, Regional Business Units and Functions. The role of the GMC is to develop and execute the Group strategy and to ensure value is delivered to clients, shareholders, partners and employees. The GMC oversees the global coordination of the Group management.

A.4.2.1 Industries

Eric Grall, Head of Manufacturing

Eric Grall comes from HP and where he held first positions in marketing and R&D in the product business, before entering the Services activities of the Group in 1998. He then had several management positions related to outsourcing, from pre-sales to operations. In 2005, he was appointed Vice-President and General Manager in charge of the Global Services Delivery for HP in the EMEA region, covering outsourcing, consulting and support services. After the EDS acquisition in 2008, Eric led the ITO activities of the new outsourcing business. Eric joined Atos in 2009 as EVP of the Infrastructure & Data Management Division. Since 2017, he is in charge of Atos Global Operations (Infrastructure & Data Management, Business & Platform Solutions, Big Data & Cybersecurity, and Unify Software & Platforms), and Geographic Business Units. Since February 2020, in addition to his role as Chief Operating Officer, he is Head of Manufacturing.

Adrian Gregory, Head of Financial Services & Insurance

Adrian Gregory joined Atos in 2007 and has a 20-year blue-chip background with experience of a wide range of technology solutions and multiple client sectors. Most recently he was Senior Vice-President for Public sector, Health & BBC with responsibility for all aspects of client business and future strategy. In July 2015 he was appointed Chief Executive Officer of the United Kingdom & Ireland and joined the Atos Executive Committee. In 2019, he was appointed Head of Business & Platform Solutions AtoslSyntel and in February 2020 Head of Financial Services & Insurance.

Pierre Barnabé, Head of Public Sector & Defense

Pierre Barnabé is Head of Big Data & Cybersecurity within the Group Atos, following the successful merger of Bull with Atos. Since February 2020, in addition to his role of Head of Big Data & Cybersecurity, he is Head of Public Sector & Defense. He joined Bull in August 2013 as Chief Operating Officer. Previously, Pierre was General Manager of SFR Business team. He began his career in the venture capital department of Thalès. In 1998, he joined Alcatel Lucent with various successful sales positions (Vice-President Sales France, Vice-President Sales South Europe) before being appointed Chief Executive Officer of Alcatel Lucent France then Group Executive Vice-President Human Resources & Transformation. Knight of the French National Order of Merit, Pierre Barnabé is graduated from NEOMA Business School and from Centrale Supélec.

Jean-Philippe Poirault, Head of Telecom, Media & Technology

Graduated from Supelec, Jean-Philippe Poirault has held senior management positions in IT and software services activities at Alcatel-Lucent and Ericsson in several European and Asian countries. In January 2018, he joined Amazon Web Services in the United States to lead the Telecom market. In September 2019, he joined Atos as Chief Executive Officer of Atos in France. Since February 2020, he is Head of Telecom, Media & Technology.

Giuseppe Di Franco, Head of Resources & Services

After several years in Business Consulting, Giuseppe di Franco joined Siemens in 2005 as Senior Vice-President, assuming different roles as Chief Executive Officer and Director of the Region South West Europe for the Energy Industry. In 2013, he assumed the role of Chief Executive Officer of Atos Italy and Head of the Energy & Utilities Industry market at Atos Global level. In February 2018 Giuseppe Di Franco was appointed Chief Executive Officer of Central & Eastern Europe. Since February 2020, he is Head of Resources & Services. Giuseppe Di Franco has a degree in Engineering Management achieved at the Politecnico di Milano and is Alumnus Top Influencer of the University.

Robert Vassoyan, Head of Healthcare & Life Science

Robert Vassoyan is a graduate of ESSEC business school. His career spanned from Renault, Compaq to HP where he served in various senior management positions in Sales and Marketing. In 2007 he joined Cisco and became in 2011 the President of Cisco France. Robert joined Atos as Chief Commercial Officer in March 2018. Since February 2020, he is Head of Healthcare & Life Sciences and Head of Unified Communication & Collaboration.

A.4.2.2 Operations

Eric Grall, Chief Operating Officer

Please refer to his biography in A.3.2.1 Group General Management Committee – Industries.

Jo Debecker, Head of Infrastructure & Data Management

Jo Debecker studied finance and computer science at the university of Leuven, Belgium. He started his career as system analyst and systems manager for Procter and Gamble on mainframe, database and SAP technologies. In 2003 Jo joined Hewlett-Packard as solution manager and solution executive in the strategic sales department. In 2008, Jo was appointed senior Director Service management for the European infrastructure delivery and drove the process integration of EDS into HP. In 2011 Jo joined Atos as head of Service Management globally, during 2011 and 2019 Jo ran the IDM division for Germany and North America. He was appointed Chief Operating Officer for IDM in 2018 before being promoted to the position as Head of IDM in February 2020.

Adrian Gregory, Head of Business & Platform Solutions Atos Syntel

Please refer to his biography in A.3.2.1 Group General Management Committee – Industries

Nourdine Bihmane, Head of Business & Platform Solutions Public & Regional

Born in 1977, Nourdine Bihmane joined Atos in 2002 starting to work for various clients and in sales roles, quickly taking over management positions. In 2009, he became Head of Managed Services in Iberia, then moved to New York to lead the delivery transformation of the largest account of Atos in the United States. In 2015, he has been appointed Head of Operations for North America and led the integration of Xerox ITO. Nourdine moved back to Europe in 2017 to drive the strategic & lean initiatives on all Atos' operations, before being named in 2019 Head of Business & Platform Solutions, Public and Regional Business and member of the Atos Executive Committee. Since 2020, he is also Head of Growing Markets. Nourdine graduated as an engineer from CNAM in France and holds executive degrees from Princeton University and INSEAD. He is also an active member of the International Red Cross and Red Crescent Movement.

Robert Vassoyan, Head of Unified Communication & Collaboration

Please refer to his biography in A.3.2.1 Group General Management Committee - Industries

Enguerrand de Pontevès, Head of Performance

Enguerrand de Pontevès joined Atos in 2008 as Procurement Director for France and Spain and was promoted as Group Chief Procurement Officer in 2009. In 2018 he joined the Infrastructure Data Management division to manage the Client Managers community. In 2019 he led the project of operational divestiture with Worldline and managed the Spring program aiming at setting-up an Industry-led organization, he was promoted to the role of Head of Performance. Before Atos, Enguerrand de Pontevès worked as Head of Logistic at Valeo. In 2000 he joined Altis Semiconductor to contribute to the JV structure between IBM and Infineon. In 2002 he joined Pechiney as head of IT procurement and relocated to Montreal in Canada in 2007 after the takeover by Alcan. Enguerrand holds a master's in Business Management with major in logistic & procurement from ESCEM.

A.4.2.3 Regional Business Units

Bryan Ireton, Head of North America

Bryan Ireton is Head of Atos North America. Bryan Ireton and his leadership team are responsible for serving more than 200 North American clients. Bryan Ireton joined Atos with nearly 30 years of professional experience in the IT industry, including a lengthy career at Accenture where he served in a variety of roles including most recently as Director of Operations for Financial Services across North America. He also served as President of Accenture Credit Services and CEO of Accenture Mortgage Cadence during his tenure at the company. Prior to Accenture, Bryan Ireton held leadership roles in the telecommunications industry with both AT&T and MCI.

Ursula Morgenstern, Head of Central Europe

Ursula Morgenstern joined Atos in 2002 through the acquisition of KPMG Consulting. From 2007 to 2009, she was Senior Vice-President responsible for Systems Integration, and then she was Senior Vice-President responsible for Private Sector Markets. Prior to that, she held a variety of roles in Systems Integration including management roles for sectors and various practices. In 2011, she was Chief Operating Officer of the United Kingdom & Ireland and in 2012 she took on the role as Chief Executive Officer of the geography. From July 2015 to February 2018 she managed the Global Business & Platform Solutions Division. Since February 2018 she is Chief Executive Officer of Germany. Additionally, she has been appointed as Managing Director of Atos Information Technology in March 2018. Since February 2020, she is Head of Central Europe in addition to her role as Chief Executive Officer of Atos in Germany.

Yannick Tricaud, Head of Southern Europe

Yannick Tricaud is a graduate of the Ecole Supérieure des Techniques Aéronautique et de Construction Automobile (ESTACA). He began his career in 1997 at Hewlett Packard, in the Outsourcing Division, as a support engineer, working on customer Information Systems. For 13 years, he held various management positions, from Service Delivery Manager, to the management of major international outsourcing contracts. In 2010, he joined Capgemini Group, in order to take over, in more than thirty countries, the IT activities of the world leader in energy management and automation. In 2013, he is appointed Vice President of Capgemini Infrastructure Management, responsibile of the entire french customer installed base. Between 2014 and 2017, he joined Sopra-Steria, at the time of the merger, in order to build a dedicated Infrastructure Services subsidiary, of which he took over as Executive Director. In May 2017, Yannick Tricaud joined Atos, as Director of the Infrastructure & Data Management division for France. In August 2020, he was promoted to France & Southern Europe Chief Executive Officer and became a member of the Group's Management Committee.

Peter 't Jong – Head of Northern Europe

As an experienced IT leader, Peter has a proven track record in delivering results and managing complex customer relationships. He started his career in technical automation with AT&T and Philips, and then continued a career in technology with Lucent working in the Netherlands and in the USA. In 2001 Peter joined Atos as Head of Managed Services in the Netherlands and expanded his scope to Executive Vice-President for Sales and Chief Operating Officer for Atos Northern Europe. From 2015 Peter was responsible for leading the Managed Services organization in Germany and managed the carve-out and integration of Unify within Atos, followed by his appointment as Chief Executive Officer of Benelux and & The Nordics in May 2016. Since February 2020, he is Head of Northern Europe.

Nourdine Bihmane, Head of Growing Markets

Please refer to his biography in A.3.2.2 Group General Management Committee – Operations

A.4.2.4 Functions

Uwe Stelter, Chief Financial Officer

Uwe Stelter joined the Atos Group in 2011 from Siemens where he held multiple global Finance Management positions in the US and Germany in both the Siemens IT services and Communication divisions. In addition, Uwe Stelter was Chief Financial Officer of ProSTEP, a Germany-based Consulting and Software company serving the Product Lifecycle Management (PLM) market. Uwe Stelter became Chief Financial Officer of the Group in November 2019, after holding Chief Operating Officer roles in the Infrastructure & Data Management and Business & Platform Solutions Divisions of Atos in the last 4 years as well as being in charge of the integration of Syntel. Prior to that he was Chief Financial Officer of the Infrastructure & Data Management Division and of the North America Business Unit. He is a graduate in Business Administration from AKAD University in Germany.

Philippe Mareine, Chief Digital & Transformation Officer and Head of CSR

Philippe Mareine was Deputy Manager in the French Treasury department's Inspection Générale des Finances unit and, previously, he oversaw Human Resources in the Public Accounts department of the French Ministry for the Budget. He held several managerial positions at the French Tax Administration. He joined Atos in 2009 as General Secretary of the Board of Directors in charge of legal functions, compliance, audit, security and social responsibility policy. In 2014, he became Head of Human Resources, then Head of Siemens Global Alliance. He is today Chief Digital & Transformation Officer. Philippe Mareine is also in charge of Group Corporate Social Responsibility (CSR). He is a graduate from the Ecole Polytechnique and Ecole Nationale d'Administration.

Paul Peterson, Head of Human Resources

Paul Peterson graduated from Brigham Young University and pursued graduate education at The Ohio State University. Paul joined Atos in 1998, early in his career, as the HR Director for the Major Events business unit. Over his career, Paul has worked and lived in North America, APAC, and across Europe, holding leadership roles in HR, IT, and Operations. Notable and more recent leadership roles include Head of HR and Talents in North America (2012), Head of HR for Global Infrastructure and Data Management (2018), and Deputy Head of Group HR (2019). Paul became Head of Group Human Resources in February 2020, leading a team of +1,500 worldwide HR professionals.

Sophie Proust, Group Chief Technology Officer

Sophie Proust is graduate of the Ecole Supérieure d'Electricité "Supélec" of Paris. She joined Bull in 1989 where she held various technical managerial positions in the mainframe, IT administration solutions and HW server design. In 2010, Sophie headed the Tera100 Project which delivered the CEA with the first Petaflops-scale calculator in Europe. She joined the Atos Group in 2014 following the acquisition of Bull, where she held the position of Head of Research & Development for the Big Data & Cybersecurity Division from 2014 to January 2019. In January 2019, Sophie was appointed Group Chief Technology Officer (CTO), joining the Atos Executive Committee. Alongside this, Sophie is part of the Atos Quantum Advisory board. Sophie was a member of the Board of Directors of Worldline from December 2016 to April 2019 and has been a member of the board of directors of the Université Technologique de Troyes (UTT) since December 2018.

Alexandre Menais, General Secretary

Alexandre Menais joined Atos in 2011 as Group General Counsel. He is also in charge of Merger & Acquisitions and corporate development since 2015 and in addition has been appointed General Secretary in 2018. Before Atos, Alexandre Menais worked as Senior Associate at Hogan Lovells in Paris and London. In 2006, he became General Counsel at eBay France (eBay, Paypal and Skype) before being promoted as Europe Legal Director of eBay. In 2009, he joined Accenture as General Counsel France and Benelux. Alexandre holds a LLM in Business law from the University of Strasbourg and a MBA from HEC. Alexandre Menais has been nominated in March 2019 Board member of the French competition Authority.

Gilles Arditti, Head of Investor Relations and Responsible for Internal Audit

After six years at Bull and four years at KPMG, Gilles Arditti joined Atos in 1990, where until 2006 he was, successively, Director of Mergers & Acquisitions, Director of Finance and Human Resources for Atos Origin in France, and Chief Financial Officer of France, Germany and Central Europe. In 2007, Gilles Arditti became Head of Investors Relations for the Atos Group, a position he still holds. Since February 2020, he is also Head of Internal Audit. In March 2014, he was appointed Group Head of Mergers & Acquisitions and member of the Executive Committee. Since June 2014, Gilles Arditti is member of the Board of Directors of Worldline. Holding a master’s degree in Finance from the University Paris-Dauphine and a master’s degree in International Finance from HEC Paris, Gilles Arditti is also graduated from the engineer school École Nationale Supérieure de Techniques Industrielles et des Mines d’Alès (ENSTIMA) and is a Certified Public Accountant (CPA).

Marc Meyer, Head of Executives & Head of Marketing and Communications

Graduate from the Sorbonne University and INSEAD Business School, Marc Meyer joined Atos in 2009 coming from Dexia where he served as Head of Group Communications. Marc started his career working in the French Parliament Assemblée Nationale and joined the IT Group Bull Group in 1986, where he held several senior positions in corporate and marketing communications for 10 years. In 1997, he joined Thomson, a consumer electronics firm and in 2001 was promoted to the Company Executive Committee. Then, he joined the France Telecom/Orange Group as Executive Vice-President for Communications. Marc served as advisor to the Ministry of Economy, Finance and Industry in 2005. Marc Meyer has been promoted as Head of Executive & Talent Management, Communications in Atos in 2014. He has been decorated from the French Légion d’Honneur (Chevalier) in 2007.

A.5 Operational review

A.5.1 Statutory to constant scope and exchange rates reconciliation

Revenue in H1 2020 reached € 5,627 million, -2.3% at constant exchange rates and -2.8% organically. Operating margin reached € 450 million, representing 8.0% of revenue, a decrease by -110 basis points at constant scope and exchange rates.

In €million	H1 2020	H1 2019	% change
Statutory revenue	5,627	5,744	-2.0%
Exchange rates effect		14	
Revenue at constant exchange rates	**5,627**	**5,758**	**-2.3%**
Scope effect		32	
Exchange rates effect on acquired/disposed perimeters		2	
Revenue at constant scope and exchange rates	**5,627**	**5,792**	**-2.8%**
Statutory operating margin	450	529	-15.1%
Scope effect		-6	
Exchange rates effect		1	
Operating margin at constant scope and exchange rates	**450**	**525**	**-14.4%**
as % of revenue	*8.0%*	*9.1%*	

The table below presents the effects on H1 2019 revenue of acquisitions and disposals, internal transfers, reflecting the Group's new organization, and change in exchange rates.

	H1 2019 revenue				
In € million	**H1 2019 statutory**	**Scope effects**	**Internal transfers**	**Exchange rates effects***	**H1 2019 at constant scope and exchange rates**
North America	1,345	46	1	32	1,423
Northern Europe	1,366	-9	13	-2	1,368
Central Europe	1,374	-9	4	4	1,372
Southern Europe	1,218	8	3	0	1,229
Growing Markets	442	-2	-22	-18	399
TOTAL GROUP	**5,744**	**32**		**15**	**5,792**
Infrastructure & Data Management	3,137	26	4	13	3,179
Business & Platform Solutions	2,135	4	-12	1	2,128
Big Data & Cybersecurity	473	3	8	1	485
TOTAL GROUP	**5,744**	**32**		**15**	**5,792**
Manufacturing	1,144	0		-2	1,142
Financial Services & Insurance	1,112	9		5	1,126
Public Sector & Defense	1,141	1		4	1,146
Telecom, Media & Technology	869	17		-0	885
Resources & Services	823	2		2	827
Healthcare & Life Sciences	655	3		7	665
TOTAL GROUP	**5,744**	**32**		**15**	**5,792**

* *At H1 2020 exchange rates*

Scope effects amounted to € +32 million for revenue, of which:

- € +44 million related to the acquisition of Maven Wave, consolidated as of February 1, 2020.
- € +13 million related to other acquisitions (Miner & Kasch, IDnomic, X-PERION)
- € -25 million related to the disposal of some specific Unified Communication & Collaboration activities mostly in H1 2020 as well as former ITO activities in the UK beginning of H2 2019, and the disposal and decommissioning of non-strategic activities within CVC.

NB: As the closing of the recent acquisitions of Alia Consulting and Paladion are expected to take place before the end of the year, no restatement is necessary for both H1 2019 revenue and operating margin.

Internal transfers mostly referred to Cybersecurity consulting services formerly developed in Business & Platform Solutions and now integrated under Big Data & Cybersecurity since H2 2019, the revenue of a contract previously signed between Worldline and Growing Markets and now signed between Worldline and France (part of Southern Europe) since January 1, 2020, and finally the transfer of contracts realized by Syntel India in Europe and previously reported under Growing market.

Currency exchange rates effects positively contributed to revenue for € +15 million and to operating margin for € +1 million mostly related to the appreciation of the U.S. dollar against the Euro which has more than compensated the depreciation of both the Argentinian peso and the Brazilian real against the Euro over the period.

The impacts described above are reflected in the operating margin at constant scope and exchange rates. Scope effect amounted to € -6 million, mainly coming from Maven Wave acquisition impacting the Group margin by € +2 million, compensated by € -7 million due to the disposal of activities. These effects are detailed below:

	H1 2019 Operating margin				
In € million	**H1 2019 statutory**	**Scope effects**	**Internal transfers**	**Exchange rates effects***	**H1 2019 at constant scope and exchange rates**
North America	148	2	40	3	193
Northern Europe	126	-2	10	-1	134
Central Europe	91	-4	-1	0	86
Southern Europe	92	-1	-5		85
Growing Markets	112	-2	-44	-1	65
Global Structures	-38			0	-38
TOTAL GROUP	**529**	**-6**		**1**	**525**
Infrastructure & Data Management	274	-5		1	270
Business & Platform Solutions	247	0	-2	-0	246
Big Data & Cybersecurity	48	-1	2	0	49
Corporate costs	-40				-40
TOTAL GROUP	**529**	**-6**		**1**	**525**
Manufacturing	81	-1			81
Financial Services & Insurance	146			1	147
Public Sector & Defense	97	-0		1	97
Telecom, Media & Technology	60	-4		-0	55
Resources & Services	74	-1		-0	73
Healthcare & Life Sciences	71	0		0	71
TOTAL GROUP	**529**	**-6**		**1**	**525**

** At H1 2020 exchange rates*

A.5.2 Performance by Industry

In €million	Revenue H1 2020	Revenue H1 2019*	Revenue Organic evolution	Operating margin H1 2020	Operating margin H1 2019*	Operating margin % H1 2020	Operating margin % H1 2019*
Manufacturing	1,037	1,142	-9.2%	13	81	1.2%	7.1%
Financial Services & Insurance	1,077	1,126	-4.3%	126	147	11.7%	13.1%
Public Sector & Defense	1,216	1,146	+6.1%	116	97	9.5%	8.5%
Telecom, Media & Technology	836	885	-5.6%	84	55	10.0%	6.2%
Resources & Services	804	827	-2.8%	43	73	5.3%	8.9%
Healthcare & Life Sciences	657	665	-1.2%	68	71	10.3%	10.7%
Total	**5,627**	**5,792**	**-2.8%**	**450**	**525**	**8.0%**	**9.1%**

** At constant scope and exchange rates*

A.5.2.1 Manufacturing

In €million	H1 2020	H1 2019*	Organic evolution
Revenue	1,037	1,142	-9.2%
Operating margin	13	81	
Operating margin rate	1.2%	7.1%	

**At constant scope and exchange rates*

With 18% of the Group revenue, Manufacturing reported a **revenue** of € 1,037 million, representing a decrease by -9.2% compared to H1 2019 at constant scope and exchange rates.

The Industry was impacted by a significant decrease of its activity mainly in Q2 due to Covid-19 in the Automotive and Aerospace sectors, especially in Southern Europe with PSA, North America with Daimler and Central Europe with Volkswagen.

The Industry was also impacted by lower volumes with Siemens, mainly in North America, and the base effect of some contracts which ended in 2019 in Northern Europe.

New business started with a large German automotive manufacturer in the first quarter and increasing activity with BASF and Rheinmetall allowed to limit the impact of this more difficult context.

The share of business realized with the top 10 customers represents 52% of the Manufacturing Industry, by decreasing order: Siemens, Rheinmetall, Daimler Group, a large german automotive manufacturer, Volkswagen, a global leader in Aerospace and Defense, a leader in systems and equipment in the Aerospace and Defense sectors, PSA, a large french automotive manufacturer, BASF.

Operating margin reached € 13 million, representing 1.2% of revenue, due to some one-offs on difficult contracts and as a consequence of the revenue drop, and impacted by the ability to reduce the costs only partially within the first semester.

A.5.2.2 Financial Services & Insurance

In €million	H1 2020	H1 2019*	Organic evolution
Revenue	1,077	1,126	-4.3%
Operating margin	126	147	
Operating margin rate	11.7%	13.1%	

**At constant scope and exchange rates*

Financial Services & Insurance **revenue** was € 1,077 million during the first half of 2020, representing 19% of total revenue of the Group. The industry was down by -4.3% organically compared to H1 2019 at constant scope and exchange rates. This decrease was driven by a combination of challenges in the Banking customer landscape accelerated by the effects from the Covid-19 pandemic.

In North America, the industry suffered from a business mix highly exposed to decisions from several banking institutions to reduce discretionary expenses and therefore project volumes.

In Europe, the Industry had to face different strategies from their customers. Several banking institutions in Southern and Central Europe decided to postpone the outsourcing of part of their IT activities and to delay the launch of new projects. In particular Central Europe faced reduced business with Deutsche Bank. This trend was more than compensated by the ramp-up of the service phase in a multi-divisional contract with Aegon in the United Kingdom.

Growing Markets was impacted by non-repeated product sales performed last year notably in Asia within Infrastructure & Data Management, combined with a terminated infrastructure project in Middle-East.

The top 10 customers of the industry segment Financial Services & Insurance represented 51% of the H1 total revenue of the Industry and were by decreasing order: NS&I, a large bank based in Hong-Kong, Aegon, a US financial payment institution, CNA Financial Corporation, State Street Corporation, Deutsche Bank, Worldline, Aviva and a French bank.

Operating margin was € 126 million, representing 11.7% of revenue and a reduction of -130 basis points compared to last year on a like for like basis. The performance was mainly impacted by revenue decrease in North America.

A.5.2.3 Public Sector & Defense

In €million	H1 2020	H1 2019*	Organic evolution
Revenue	1,216	1,146	+6.1%
Operating margin	116	97	
Operating margin rate	9.5%	8.5%	

**At constant scope and exchange rates*

Public Sector & Defense was the largest Industry of the Group with a **revenue** at € 1,216 million representing 22% of the Group revenue, with a growth of +6.1% compared to H1 2019 at constant scope and exchange rates, accelerating in Q2 2020 to reach +9.0%.

This growth was driven by Northern Europe, mainly with the continuation of a large High-Performance Computing project with a weather forecast institution and higher volumes with European Union Institutions in Cloud solutions.

In Central Europe, revenue also grew strongly fueled by a High-Performance Computing deal with a research center, and a new SAP Hana contract. This strong performance more than compensated the demand reduction from the German Employment Agency.

In North America, the Industry grew thanks to the ramp-up of NG911 project in California State, to the development of new projects with a US state and to the delivery of mainframe services for another US state. These new projects as well as the activity with Texas DIR allowed to fully compensate the ramp down of some contracts such as Orange County.

Revenue in Growing Markets decreased mainly due to the postponement of Tokyo Olympic Games. This was only partly compensated by the development of High-Performance Computing activities in India, and the launch of a new project with a Post office Institution in Middle East & Africa.

Southern Europe declined due to sales of products not replicated in 2020, a ramp down in High performance Computing projects not fully compensated by Advanced computing project with Meteo France.

41% of the revenue in this Industry was realized with the top 10 clients: European Union Institutions, Texas Department of Information Resources, a research center in Germany, UK Nuclear Decommissioning Authority, two French Ministries, UK Ministry of Justice, a research center in France, the French Collectivites Territoriales and a German national Employment Agency.

Operating margin reached € 116 million, representing 9.5% of revenue, +100 basis points at constant scope and exchange rates, led by the growth of the activity, a better business mix and strong costs reduction initiatives.

A.5.2.4 Telecom, Media & Technology

In €million	H1 2020	H1 2019*	Organic evolution
Revenue	836	885	-5.6%
Operating margin	84	55	
Operating margin rate	10.0%	6.2%	

**At constant scope and exchange rates*

Telecom, Media & Technology **revenue** represented 15% of the Group revenue and reached € 836 million, decreasing by -5.6% compared to H1 2019 at constant scope and exchange rates.

Telecom activity was impacted by less product sales, notably with two large German operators, by some volume reductions with TIM and Orange in Southern Europe. Conversely, positive developments were recorded in Southern Europe with customers like a British multinational telecommunications company and Central Europe with Orange.

Media recorded an increase across all the Regional Business Units, with more prominent amounts in North America thanks to new business with a US multinational technology company and a large US entertainment company, as well as in Southern Europe with new project delivered to a French multinational media conglomerate. Activity on Media in Northern Europe slightly decreased compared to last year mainly in Digital Workplace.

Technology declined mainly due to the ramp-down of Business & Platform Solutions contracts in Central Europe and Northern Europe, as well as legacy Unified Communication & Collaboration. Positive results were recorded in North America thanks to an increase in Digital Workplace offerings, growing organically business of newly acquired Maven Wave and ramp-up with a US global aerospace and defense technology company. Southern Europe remained stable at last year's level. Situation remained challenging in Growing Markets.

Main clients are BBC, Orange, Conduent, a large US entertainment company, Deutsche Telekom, Telefonica/O2, TIM, Xerox, a multinational telecommunications company, and a Global telecommunication provider. The top 10 clients represented 44% of the total Telecom, Media & Technology Industry revenue.

Operating margin was € 84 million or +10.0% of revenue, an increase of +380 basis points compared to last year at constant scope and exchange rate, led by positive one-off transactions and effective cost measures.

A.5.2.5 Resources & Services

In €million	H1 2020	H1 2019*	Organic evolution
Revenue	804	827	-2.8%
Operating margin	43	73	
Operating margin rate	5.3%	8.9%	

**At constant scope and exchange rates*

Revenue generated by Resources & Services in the first half 2020 reached € 804 million representing 14% of the total revenue of the Group. The Industry decreased by -2.8% compare to H1 2019 with very different trends across its components together with the negative impact of the Covid-19 Pandemic.

Business with clients in Energy and Utilities sectors fueled the growth. In particular, the Industry successfully delivered new High-Performance Computing projects in Brazil and managed to fertilize their on-going activities with ENEL. Digital workplace services were ramped-up with National Grid in Northern Europe and with a major energy provider in North America. In Southern Europe, activity with EDF increased thanks to the development of new offerings.

Situation in Retail, Transportation and Hospitality sectors was more challenging, in a context marked by the impact of the Covid-19 pandemic.

A large IoT deal was signed with Goli nutrition in the first quarter in North America mitigating volume reductions with other customers. In Northern Europe, ramp-up of projects with Network Rail could not mitigate the reduction of volumes with a large UK mail company. Finally, in Central Europe, additional volumes with several clients could not compensate the impact of activities stopped with Thomas Cook due to their insolvency situation and a challenging legacy Unified Communication & Collaboration activity.

Main clients were EDF, a US multinational delivery services company, ENEL, SNCF, a french multinational electric utility company, Network Rail, National Grid, a UK postal service company, a Brazilian multinational corporation in the petroleum industry, an American fast food company. The top 10 clients represented 42% of the total Resources & Services revenue.

Operating margin reached € 43 million, representing 5.3% of revenue, -350 basis points at constant scope and exchange rates, coming from the revenue decrease, which actions on costs could only partly compensate, and a lower margin in the start-up phase of some new contracts.

A.5.2.6 Healthcare & Life Sciences

In €million	H1 2020	H1 2019*	Organic evolution
In € million	657	665	-1.2%
Revenue	68	71	
Operating margin	10.3%	10.7%	

**At constant scope and exchange rates*

Representing 12% of total revenue of the Group, Healthcare & Life Sciences **revenue** was € 657 million, down by -1.2% compared to H1 2019 at constant scope and exchange rates. The revenue decrease was limited to -1.2%, as the Industry achieved to deliver +2.6% organic growth in Q2.

North America performance was impacted by decreasing volumes on contracts performed for Hospitals and by the non-repeated product sales performed last year with a global leader in healthcare IT. It was partially offset by significant ramp-up on advanced computing project with a new large contract in North America.

Northern Europe faced challenging situation within Infrastructure & Data Management Division. The unit was impacted by volume reductions with National Savings & Investments in the United Kingdom combined with some volume reductions on Philips Healthcare, and also on Major Hospitals contracts in the Benelux.

In Central Europe, the Industry was fueled by the ramp-up of Digital Workplace contracts with Bayer and also a biopharmaceutical company based in Switzerland signed last year. Similarly, it benefited in Southern Europe from a strong activity in digital projects and High Performance Computing and the launch of a new contract with a very large European Pharma company, combined with the ramp-up of an Australian Public Agency contract in Growing Markets.

The top 10 main clients represented 59% of the total Healthcare & Life Sciences revenue and were by decreasing order: UK Department for Work & Pensions (DWP), McLaren Heath Care Corporation, two large US Healthcare company, Bayer, a global leader in Healthcare IT, Johnson & Johnson, Philips, a Public healthcare service in Scotland and University College London Hospital.

Operating margin was € 68 million, representing 10.3% of revenue and a reduction of -40 basis points compared to last year on a like for like basis, broadly stable compared to last year.

A.5.3 Performance by Regional Business Units

	Revenue			Operating margin		Operating margin %	
In €million	H1 2020	H1 2019*	Organic evolution	H1 2020	H1 2019*	H1 2020	H1 2019*
North America	1,355	1,423	-4.8%	208	193	15.3%	13.5%
Northern Europe	1,360	1,368	-0.6%	101	134	7.4%	9.8%
Central Europe	1,370	1,372	-0.1%	42	86	3.1%	6.3%
Southern Europe	1,143	1,229	-7.0%	86	85	7.5%	6.9%
Growing Markets	399	399	-0.0%	54	65	13.4%	16.4%
Global structures	-	-	-	-40	-38	-0.7%	-0.7%
Total	**5,627**	**5,792**	**-2.8%**	**450**	**525**	**8.0%**	**9.1%**

** At constant scope and exchange rates*

A.5.3.1 North America

In €million	H1 2020	H1 2019*	Organic evolution
Revenue	1,355	1,423	-4.8%
Operating margin	208	193	
Operating margin rate	15.3%	13.5%	

**At constant scope and exchange rates*

Revenue reached € 1,355 million, decreasing by -4.8% organically. North America faced contrasted situations between its different industries. While the Covid-19 pandemic hit North America later than Europe, the customers took more drastic reduction actions earlier.

Telecom, Media & Technology recorded a solid growth benefitting from additional volumes in digital workplace for various clients and from the ramp-up of of projects with new logo with a US global aerospace and defense engineering company positively impacting Infrastructure & Data management unit. The industry was also fueled by positive contribution from the new acquisition Maven Wave. Both trends largely compensated lower volumes recorded in H1 with Conduent.

Public Sector & Defense achieved a growth which accelerating in the second quarter. This performance was due to ramp-up of the NG911 project in California and new digital workplace projects launched in the US. The Industry also benefited from increased volumes on Mainframes activities impacting positively Big Data & Cybersecurity unit, which compensated reductions such as Orange County.

Manufacturing declined and was most impacted by Covid-19 coming from non-repeated product sales performed last year combined with lower volumes with Siemens.

While Resources & Services was down, the industry benefited from product sales to new client Goli nutrition in the first quarter 2020 and ramp-up on Digital Workplace contracts with National Grid notably. This mitigated the volume reductions in the context of Covid-19 pandemic.

Healthcare & Life Sciences decreased due to the non-repeated product sales performed last year with a global leader in healthcare IT and reduced volumes in Healthcare. This could be only partially compensated by significant ramp-up on advanced computing project developed with a large new customer.

Financial Services & Insurance faced decisions from customers in the banking sector to reduce expenses to external IT partners. Despite this challenging context, increased volumes were performed, and new projects were delivered.

Operating margin reached € 208 million, representing 15.3% of revenue. It increased its profitability by +180 basis points compared to last year despite revenue decrease. Telecom, Media & Technology and Public Sector & Defense benefitted from revenue increase. The profitability improvement was also fueled by a better mix of revenue, workforce optimization initiatives and strong actions on the cost base.

A.5.3.2 Northern Europe

In € million	H1 2020	H1 2019*	Organic evolution
Revenue	1,360	1,368	-0.6%
Operating margin	101	134	
Operating margin rate	7.4%	9.8%	

**At constant scope and exchange rates*

During the first half of 2020, Northern Europe **revenue** reached € 1,360 million revenue, reporting a slight organic decline of -0.6%, compared to the same period last year at constant scope and exchange rates. This performance resulted from very different situations in the different Industries.

Public Sector & Defense recorded a double-digit growth mainly led by successful deliveries to European Union Institutions, the delivery of High Performance Computing solution to a weather forecast institution, as well as increased volumes with a Ministry of Defense. The ramp-up was driven mainly by Cloud solutions, Digital Workplace, Analytics and Automation.

Financial Services & Insurance closed the half-year with a small increase, driven by ramp-up in United Kingdom (Aegon contract) together with smaller deals in Business & Platform Solutions and Big Data & Cybersecurity. This partially mitigated a slowdown in Benelux.

Manufacturing declined, impacted by contracts ended in 2019 in Benelux, alongside with base effect of sales achieved last year and not repeated in 2020.

Telecom, Media & Technology recorded decreasing volumes with several clients in Media and some projects ramped down in Telco. This was partially offset by positive development in Cloud Solutions and Infrastructure and Foundation Services in United Kingdom.

Healthcare & Life Sciences decreased, mainly driven by ramp-down of Customer Experience projects and the postponement of Application projects.

Resources & Services faced some ramp-down projects in United Kingdom, as well as with a French airline company. This was partially compensated by increased project volume and a new contract with a US multinational delivery services company, as well as positive ramp-up in Infrastructure & Foundation Services in the United Kingdom.

Operating margin reached € 101 million or +7.4% of revenue, a decrease of -240 basis points compared to last year at constant scope and exchange rate, mainly resulting from higher Sales and Presales investments in large new bids, Covid related expenses and volume reductions in Healthcare contract.

A.5.3.3 Central Europe

In €million	H1 2020	H1 2019*	Organic evolution
Revenue	1,370	1,372	-0.1%
Operating margin	42	86	
Operating margin rate	3.1%	6.3%	

**At constant scope and exchange rates*

Revenue was € 1,370 million, roughly stable compared to last year at constant scope and exchange rates. A strong performance from Public Sector & Defense and Health & Life Sciences was offset by more challenging situations in other Industries.

Healthcare & Life Sciences grew strongly. This was fueled by the launch of new Digital Workplace contract with Bayer, as well as the ramp-up of the new contracts with a biopharmaceutical company based in Switzerland. In the domain of application management, the Industry recorded very strong growth with Healthcare customers in Germany.

Public Sector & Defense also recorded a strong growth mainly led by High Performance Computer sales with a research center in Germany in Big Data & Cybersecurity. This was partially offset by a decrease in Infrastructure & Data Management coming primarily from one-off sales of products in 2019.

Telecom, Media & Technology decreased compared to last year, coming primarily from ramp-down of application management activities with a Nordic telecommunication provider and by volume reductions in most lines of service from large telecom operators. Volumes were also reduced on legacy Unified Communication & Collaboration. The ramp-up of new contracts with a US multinational technology company and a leading software partner mitigated this challenging situation.

Financial Services & Insurance was down due to less sales of products with large German banks compared to last year in the context of Covid-19 pandemic. Smaller positive developments were recorded in Business & Platform Solutions.

In Manufacturing, especially the Automotive sector was down. The Industry was strongly impacted by volume reductions with large car manufacturers like Volkswagen or Daimler which was not compensated by new sales with a large german automotive manufacturer. Siemens had registered lower volumes, despite the ramp-up of new projects, for instance in the domain of SAP Hana implementation. The performance was also impacted by strong volume reductions with a global leader in Aerospace and Defense which were not fully compensated by increasing volumes with BASF and Rheinmetal.

Resources & Services was impacted by lower demand for legacy Unify Communication & Collaboration products and also due to Thomas Cook bankruptcy, which offset the development of new High Perforamnce Computer deals with Karstadt, a global leader in offshore wind, a leader in the distribution of electrical equipment, and a german public railway company.

Operating margin reached € 42 million or +3.1% of revenue, -320 basis points compared to last year. The decline came from reduction in project profitability and some offs in difficult contracts in Manufacturing and lack of flexibility in labor costs.

A.5.3.4 Southern Europe

In €million	H1 2020	H1 2019*	Organic evolution
Revenue	1,143	1,229	-7.0%
Operating margin	86	85	
Operating margin rate	7.5%	6.9%	

**At constant scope and exchange rates*

Revenue reached € 1,143 million, decreasing by -7.0% organically. While business grew in Healthcare & Life Sciences, the situation was more challenging in Manufacturing and Public Sector & Defense.

Healthcare & Life Sciences posted a strong growth with the development of Cloud services for a social security customer, new projects developed with a Pharma leader, consulting activities delivered in Spain and High-Performance Computing deliveries in Italy.

Manufacturing went down mainly in Automotive and Services, but also due to the significant impact from the ramp down of a High-Performance Computing contract with PSA in 2019, the end of the software solution contract with a french multinational tyre manufacturer, the ramp-down of a large french automotive manufacturer contract, and volume reductions with a global leader in Aerospace and Defense. The ramp up on Dassault in France, and the positive trend in developing new offering for aerospace clients and various customers mitigated this challenging environment.

Public Sector & Defense faced sales of products not replicated in 2020, the ramp-down of Big Data projects while Advanced computing project with Meteo France mitigated this situation.

Telecom, Media & Technology was impacted by the decision of a customer in telco to reinsource. Infrastructure & Data Management increased its business in France with the ramp-up of a new contract with a French multinational media conglomerate and additional volumes with PwC. In Big Data & Cybersecurity, growth was fueled with Big Data sales.

Financial Services & Insurance decreased organically in Infrastructure & Data Management despite additional activities with a European leader in payment activity in France and the ramp up of a new contract in Italy with an insurance company on Digital Workplace. Business & Platform Solutions decreased due to some ramp-downs of projects in France, and in Iberia.

Resources & Services was impacted by Retail and Transportation. Less volume with a french airline company, while it maintained dynamism with SNCF through the development of new offerings. Energy & Utilities grew thanks to a good level of activity with EDF, compensating less volume with Engie.

Operating margin reached € 86 million, representing 7.5% of revenue, +60 basis points at constant scope and exchange rates. Manufacturing and Public Sector & Defense increased their operating margin thanks to cost reduction actions in a context of less activity volumes.

A.5.3.5 Growing Markets

In €million	H1 2020	H1 2019*	Organic evolution
Revenue	399	399	-0.0%
Operating margin	54	65	
Operating margin rate	13.4%	16.4%	

**At constant scope and exchange rates*

Revenue reached € 399 million in this Business Unit, stable compared to 2019.

Healthcare & Life Sciences achieved a double-digit growth, with the ramp-up of the new customer Western Australia Department of Health.

Revenue in Resources & Services also grew double digit compared with previous year, fueled by development of High-Performance Computing projects in Brazil with a multinational corporation in the petroleum industry, as well as volume increase through fertilization in ENEL. This more than compensated one ramp down in India.

Manufacturing reached a mid-digit growth, thanks to the delivery of new services in Infrastructure & Data Management. Business & Platform Solutions activities also increased with higher activity in Asia.

Telecom, Media & Technology went down in Business & Platform Solutions with less License sales and in Application Management with a major telecommunication operator in Middle East & Africa, partly compensated by new projects with MTN.

Financial Services & Insurance decreased due to less activity in Asia, and in the Middle East.

Public Sector & Defense faced the postponement of the Tokyo Olympic Games to the next year. This was only partly compensated by the development of High-Performance Computing activities in India, especially with a telecom operator based in South Africa, and by the launch of new projects with an Algerian mail operator.

Operating margin was € 54 million, representing 13.4% of revenue, -290 basis points compared to 2019. This decrease was mainly due to the impact of Tokyo Olympics postponement.

A.5.3.6 Global structures

Global structures costs slightly increased compared to the first half of 2019, reflecting negative impacts from the Covid-19 Pandemic, partially offset by the continued internal costs optimization in most of the support functions.

A.5.4 Revenue by Division

Revenue in H1 2020 was € 5,627 million, down by -2.8% organically. Continued strong performance recorded in Big Data & Cybersecurity could not compensate for the decrease in Business & Platform Solutions strongly impacted by the Covid-19 pandemic and to a lesser extendt in Infrastructure & Data Management.

In €million	Revenue H1 2020	Revenue H1 2019*	Organic evolution
Infrastructure & Data Management	3,101	3,179	-2.4%
Business & Platform Solutions	1,963	2,128	-7.7%
Big Data & Cybersecurity	563	485	+16.0%
Total	**5,627**	**5,792**	**-2.8%**

* *At constant scope and exchange rates*

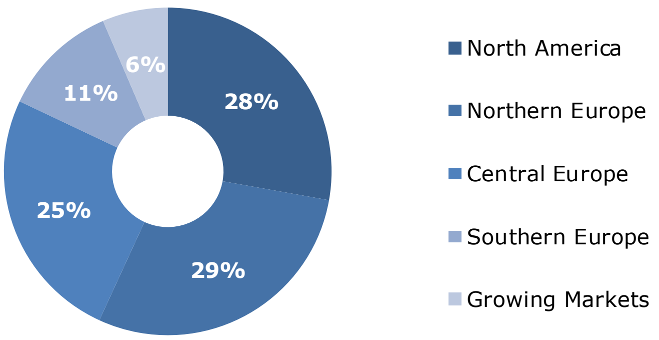
A.5.4.1 Infrastructure & Data Management

Infrastructure & Data Management **revenue** was € 3,101 million in H1 2020, with -2.4% organic decline at constant scope and exchange rates.

The Division managed to ramp-up projects in several geographies, including EU Lisa with the European Institutions, the run phase of Aegon in Northern Europe, with US State Governments, a large german automotive manufacturer, Bayer in Central Europe and a US multinational technology company across multiple geographies.

This allowed to mitigate the consequences of some volume reductions and reduced license sales in comparison to 2019.

Infrastructure & Data Management revenue profile by geographies



A.5.4.2 Business & Platform Solutions

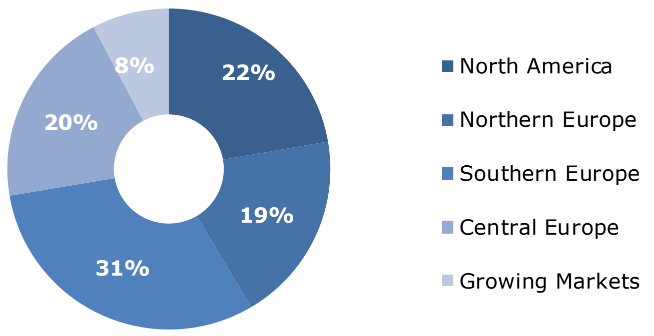
In Business & Platform Solutions **revenue** was € 1,963 million, down -7.7% organically. After a first quarter at -4,9%, the Division was strongly impacted by the consequences of Covid-19 pandemic.

In North America, both Technology Professional Services and Application Maintenance activities were very sensitive to the decisions from customers to reduce their IT expenses and to postpone Digital projects.

In Europe, the Division faced the same challenges in Technology Services and Application Maintenance offerings. In addition, several French and Spanish customers in Telecom and Banking sectors decided to reinsource some IT activities. In application management, the Division was also impacted by less activity with a large Telecom operator in Germany and with a leading Media broadcaster in Northern Europe, as well as by the base effect from product sales realized last year and not replicated in the German Public sector. Finally, performance in Growing Markets was impacted by the postponement of Tokyo 2020 Olympics.

These negative impacts were mitigated by the launch of new projects in several geographies and Industries. In particular, the Division contributed to the launch of the service phase with Aegon in the United Kingdom and to the new SAP HANA projects across the globe.

Business & Platform Solutions revenue profile by geographies



A.5.4.3 Big Data & Cybersecurity

Revenue in Big Data & Cybersecurity reached € 563 million, maintaining a strong growth at +16.0% compared to last year.

Cybersecurity recorded double-digit growth mainly due to a very good performance in Cybersecurity Managed Services. Mission Critical Systems sales showed a slight organic growth.

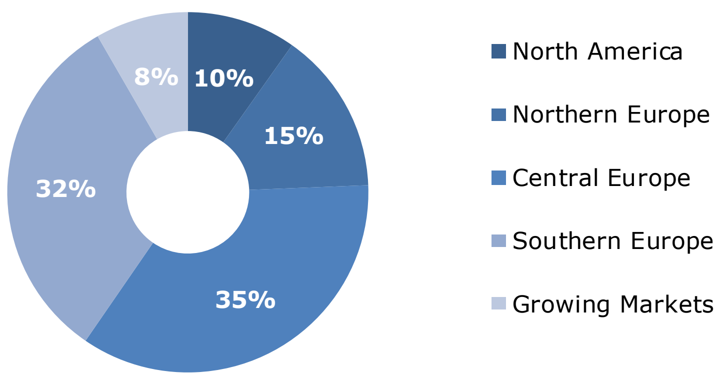
The Growth in Central Europe was fueled by the Advance computing business in Germany with Research and Science, and in Northern Europe by Analytics, Artificial Intelligence & Automation with the European Center for Medium Range Weather Forecasting.

Growing Markets benefited from the ramp-up of a High Performance Computer contract with a Brazilian multinational corporation in the petroleum industry, an Algerian mail operator, and new contracts with Public administration.

In North America, the organic growth was driven by the ramp up of activities with a US State, and new deals with a US multinational technology company.

Southern Europe declined organically, the good performance of Italy with new contracts in the High Performance Computer area was offset by a decline in France and Iberia.

Big Data & Cybersecurity revenue profile by geographies



A.5.5 Portfolio

A.5.5.1 Order entry and book to bill

During the first semester of 2020, the **Group order entry** reached **€ 6,280 million**, representing a **book to bill ratio of 112%**, of which 121% in the second quarter.

Order entry and book to bill by industry was as follows:

	Order entry			Book to bill		
In €million	Q1 2020	Q2 2020	H1 2020	Q1 2020	Q2 2020	H1 2020
Manufacturing	311	490	801	58%	98%	77%
Financial Services & Insurance	515	779	1,294	98%	142%	120%
Public Sector & Defense	833	972	1,805	143%	154%	148%
Telecom, Media & Technology	660	398	1,058	149%	101%	127%
Resources & Services	359	494	853	86%	128%	106%
Healthcare & Life Sciences	230	239	470	71%	72%	71%
Total	**2,908**	**3,373**	**6,280**	**103%**	**121%**	**112%**

Book to Bill ratio was particularly high in Public Sector & Defense at 148%, Telecom Media Technology at 127%, and Financial Services & Insurance at 120%.

The main new contracts signed in Q2 included a large Outsourcing contract in Financial Services & Insurance in Northern Europe, a Server and Cloud Management contract with a Belgian grid operator in Resources & Services, an application modernization contract with a loans group (Financial Services & Insurance), and a new contract with a customs and fiscal union (Public Sector & Defense), as well as a large contract with a European leader in healthcare in Central Europe (Manufacturing). A new global contract with a large German pharmaceutical and chemical company (Health & Life Sciences) was distributed among multiple Regions.

Contract renewals that took place in Q2 included large signatures with the European Commission (Public Sector & Defense) in Northern Europe, a large American financial services company (Financial Services & Insurance) and Texas Department of Information Resources (Public Sector & Defense) in North America, and a large French electricity and gas supplier (Resources & Services) in Southern Europe, as well as a German banking institution (Financial Services & Insurance) in Central Europe.

Order entry and book to bill by Regional Business Units were as follows:

	Order entry			Book to bill		
Public Sector & Defense	Q1 2020	Q2 2020	H1 2020	Q1 2020	Q2 2020	H1 2020
North America	1,092	802	1,893	160%	119%	140%
Northern Europe	428	810	1,239	61%	123%	91%
Central Europe	559	763	1,322	84%	108%	96%
Southern Europe	650	832	1,482	110%	151%	130%
Growing Markets	179	166	345	92%	81%	96%
Total	**2,908**	**3,373**	**6,280**	**103%**	**121%**	**112%**

Order entry and book to bill by Division were as follows:

	Order entry			Book to bill		
In €million	Q1 2020	Q2 2020	H1 2020	Q1 2020	Q2 2020	H1 2020
Infrastructure & Data Management	1,492	1583	3,075	96%	103%	99%
Business & Platform Solutions	1,077	1431	2,507	106%	151%	128%
Big Data & Cybersecurity	338	360	698	130%	119%	124%
Total	**2,908**	**3,373**	**6,280**	**103%**	**121%**	**112%**

A.5.5.2 Full backlog

In line with the commercial activity, the **full backlog** at the end of June 2020 amounted to **€ 22.5 billion**, compared to € 21.9 billion at the end of December 2019, representing **1.9 year of revenue**.

A.5.5.3 Full qualified pipeline

The **full qualified pipel**ine was **€ 8.6 billion**, a very strong increase compared to € 7.4 billion at the end of December 2019 showing the commercial dynamism of the Group and representing **8.8 months of revenue**.

A.5.6 Human Resources

The total headcount of the Group was **106,980** at the end of June 2020 compared to 108,317 at the end of December 2019. The Group welcomed 374 new employees from Maven Wave and Miner & Kasch acquisitions.

Excluding this scope effect, the staff decreased by -1.6% taking into account Covid-19 crisis and accompanying and anticipating the effect of automation and robotization. During the first semester of 2020, the Group hired 7,176 staff, compared to 9,165 in H1 2019. Hiring has been mainly achieved in offshore/nearshore countries such as India and Poland. Attrition rate was **11.8%** at Group level (15.1% in H1 2019) with a strong reduction in Q2, of which 16.7% in offshore/nearshore countries.

Headcount evolution in H1 2020 by Regional Business Unit and by Division was as follows:

	End of December 2019	Scope	Hiring	Leavers, dismissals & restructuring	End of June 2020
Infrastructure & Data Management	43,638	239	2,725	-2,871	43,731
Business & Platform Solutions	50,619	0	3,567	-5,218	48,968
Big Data & Cybersecurity	5,489	29	384	-181	5,721
Functions	160	0	25	162	347
Total Direct	**99,906**	**268**	**6,701**	**-8,108**	**98,767**
North America	9,953	268	587	-985	9,823
Northern Europe	13,707	0	783	-854	13,636
Central Europe	11,512	0	260	-255	11,517
Southern Europe	16,398	0	705	-1,367	15,736
Growing Markets	47,759	0	4,342	-4,657	47,444
Global structures	577	0	24	10	611
Total Direct	**99,906**	**268**	**6,701**	**-8,108**	**98,767**
Total Indirect	**8,411**	**106**	**474**	**-779**	**8,212**
TOTAL GROUP	**108,317**	**374**	**7,176**	**-8,887**	**106,980**

A.6 2020 objectives

In 2020, the Group targets the following objectives for its 3 key financial criteria:

- **Revenue organic evolution:** between -2% and -4%;
- **Operating margin rate:** 9% to 9.5% of revenue;
- **Free cash flow:** € 0.5 billion to € 0.6 billion.

On June 24, 2020, the Group held an Analyst Day, where it announced to the market, after issuing in a first time a press release in the morning before market opening, its mid-targets. The underlying assumptions are presented in section A.2.

A.7 Risk Factors: risks relating to the Covid-19 pandemic

2020 started in a highly challenging and uncertain context with the Covid-19 pandemic situation. Atos risk profile has been adapted to further emphasize employees' health and well-being as well as the economic disruption.

People risk category: People care including Health, Safety and Physical Security

In the current pandemic context, the vigilance in the care of Atos employees and their families is the highest priority. Atos must always protect their health and safety and going forward should adapt its well-being initiatives to take into account changing working practices.

A Global Crisis Management Team (CMT) has been set up which aims to constantly monitor, define and coordinate the mitigation actions related to (but not limited to) People Care. We adhere strictly to the World Health Organization's instructions and closely follow the evolution of the infection. Measures to avoid contamination at the office, ensure home office readiness, and promote wellbeing initiatives, such as avoiding people in isolation and ensuring balance with family duties, are undertaken. The decisions taken as well as the information given during the Global CMT meetings are then cascaded to the local CMTs in the countries in which we operate. Regular interactions between Global and Local teams are in place to ensure consistency.

Operational & Security risk categories: Business continuity & Cyberattack

In the current pandemic context, it is of the utmost importance that continuity of the business is maintained, to secure our clients' activities. Atos is also facing the risk of affected performance resulting from third parties supporting us in the delivery of goods and/or services for our customers.
The current context is also increasing Cyber threat as malicious actors are taking advantage of the situation to attack the systems of companies, organisations and individuals; The urgent introduction of large-scale teleworking or remote working is a factor increasing cyber risks, which is permanently monitored.

As mentioned above, in response to the Covid-19 pandemic, Atos has set up a Global Crisis Management Team which constantly monitors, defines and coordinates mitigation actions to ensure business continuity, including establishing a pandemic plan, activating Business Continuity Plans, coordinating suppliers and clients, undertaking legal reviews, introducing a remote on-boarding process for new joiners, and reinforcing security rules. Those actions are immediately cascaded to the geographies through the Local Crisis Management Teams and continuous interactions enable quick responses to potential issues.

Go-to-market risk category: Customer centricity and Customer digital transformation

Atos's activity depends on demand in our clients' markets. In the context of the current Covid-19 pandemic, volatile and uncertain economic conditions could adversely affect client demand for our services and solutions (e.g. slowdown of the digital transformation of our clients) and therefore would hamper the capacity to reach our business targets. It is also crucial to be reactive and fully understand our clients' needs to support them during this difficult period.

The Atos "Always Ready" program has been launched with three essential objectives: to serve our communities, help our customers transition, and bring our technology to the fight against the virus. As part of this plan, we are deploying immediately available Atos solutions and technologies that are tailored to support our clients during the Covid-19 crisis. Meanwhile, the initiative has evolved into the "Future Ready" program to cater for the digital transformation challenges that lie ahead of our clients in the coming years.

Financial Performance and the exposure in trade receivables are strictly monitored, cost relief measures have been undertaken and closed interactions with our clients have been further established to better anticipate and calibrate their needs.

Please note that the above update is completing the risks highlighted in the 2019 Universal Registration Document. These continue to be addressed in addition to the mitigation measures undertaken due to the pandemic situation.

A.8 Claims and litigations

The Atos Group is a global business operating in some 73 countries. In many of the countries where the Group operates there are no claims, and in others there are only a very small number of claims or actions made involving the Group. Having regards to the Group' size and revenue, the level of claims and litigation remains low.

The low level of claims and litigation is attributable in part to self-insurance incentives and the vigorous promotion of the quality of the services performed by the Group and the intervention of a fully dedicated Risk Management department, which effectively monitors contract management from offering through delivery and provides early warnings on potential issues. All potential and active claims and disputes are carefully monitored, reported and managed in an appropriate manner and are subject to legal reviews by the Group Legal Department.

Due to the deconsolidation of Worldline, Worldline's claims and litigations have been removed and are no longer supervised by the Group. However, in the context of their Global Alliance, Atos and Worldline have agreed to cooperate in the management of current and future litigations involving both groups by coordinating their respective legal departments.

During the first half-year of 2020 the Group has successfully put an end to several significant litigations through settlements agreements and favourable court decisions.

Group Management considers that sufficient provisions have been made.

The total amount of the provisions for litigation risks, in the consolidated accounts closed as of 30 June 2020 to cover for the identified claims and litigations, added up to € 34 million (including tax and commercial claims but excluding labor claims).

A.8.1 Risks relating to the Covid-19 pandemic

The Covid-19 pandemic generated the need to handle the risks related to potential commercial and labor claims.

In order to properly address those risks, a Global Crisis Committee was set up, as well as a specific Crisis Committee at Legal Excom Level. The Global Crisis Committee meeting took place 3 times per week at the peak of the crisis and it had the purpose of coordinating Atos' reaction to the Covid emergency.

The Legal department's coordinated efforts allowed for the elaboration of templates (e.g. letters, clauses, documents, recommendations) and the constant follow-up of specific cases. In addition, a check-list was implemented to analyse all the major and at-risk contracts. The Legal department also supported the Delivery, Business and Communication departments.

All instructions and recommendations were based on the synchronized work done by the Legal department, the Global Crisis Committee and based on legal advice provided by external counsels.

A.8.2 Tax claims

The Group is involved in a number of routine tax claims, audits and litigations. Such claims are usually solved through administrative non-contentious proceedings.

Some of the tax claims are in Brazil, where Atos is a defendant in some cases and a plaintiff in others. Such claims are typical for companies operating in this region. Proceedings in this country usually take a long time to be processed. In other jurisdictions, such matters are normally resolved by simple non-contentious administrative procedures.

Following the decision in a reported test case in the UK, there is substantial ongoing court claim against the UK tax authorities for a stamp duty re-imbursement. Following a judgement HSBC reached by the European Justice Court, Atos UK commenced proceedings in 2009 to recover a stamp duty paid in 2000 of an amount over € 10 million. The stamp duty aspect of the claim was won in 2012. Regarding the time limit rule a favorable judgement was released in April 2017. Atos UK is now waiting for the outcome of the HMRC's request for appeal in the test case.

The total provision for tax claims, as inscribed in the consolidated accounts closed as at June 30, 2020, was € 26 million.

A.8.3 Commercial claims

There are a small number of commercial claims across the Group.

Some important contracts that have been monitored by the Risk Management Department have evolved into litigation, particularly in France. These disputes are managed by the Group's Legal Department.

There is a number of significant on-going commercial cases in various jurisdictions that the Group has integrated as a result of several acquisitions, the latest one being a litigation inherited from Syntel which the Group is trying to settle amicably. The Group and Siemens signed two settlements agreements covering the Unify cases on one hand and the Siemens IT Solutions et Services cases on the other hand. Further to the signature of these agreements, the Group is confident that it has obtained a satisfactory coverage for the residual risks associated with the acquisition of Unify.

The total provision for commercial claim risks, as inscribed in the consolidated accounts closed as at June 30, 2020, amounts to € 8 million.

A.8.4 Labor claims

There are almost 110.000 employees in the Group and relatively few labor claims. In almost every jurisdiction there are no or very few claims. Latin America is the only area where there is a significant number of claims, but such claims are often of low value or inflated and typical for companies operating in this region.

The Group is respondent in a few labor claims of higher value, but in the Group's opinion most of these claims have little or no merit and are provisioned appropriately.

All of the claims exceeding €300,000 have been provisioned for an overall amount of € 7 million as inscribed in the consolidated financial statements as at June 30, 2020.

A.8.5 Representation & Warranty claims

The Group is a party to a very small number of representation & warranty claims arising out of acquisitions/disposals.

A.8.6 Miscellaneous

To the knowledge of the Company, there are no other administrative, governmental, judicial, or arbitral proceedings, pending or potential, likely to have or having had significant consequences over the past semester on the Company's and the Group's financial situation or profitability.

A.9 Related parties

This paragraph is aimed at ensuring transparency in the relationship between the Group and its Shareholders (and their representatives), as well as in the links between the Group and related companies that the Group does not exclusively control (i.e. joint ventures or investments in associates).

The related-party transactions are described in the Note 16 – Related party transactions on page 247 of the 2019 Universal Registration Document.

Following the private placement of Worldline shares by way of accelerated bookbuilding offering conducted in February 2020, the Group considered it no longer had a significant influence over Worldline which is therefore no more considered as an associate according to IAS 28. Hence, at the disposal date, the retained interest in Worldline was classified as a financial asset under IFRS 9, measured at fair value through the profit and loss. Therefore, Worldline is no longer considered as a related party in accordance with IAS 24.

B. Financial statements

B.1 Financial review

B.1.1 Income statement

The Group reported a net income from continuing operations (attributable to owners of the parent) of € 329 million for the half year ended June 30, 2020, representing 5.8% of Group revenue. The normalized net income before unusual, abnormal and infrequent items (net of tax) for the period was € 319 million, representing 5.7% of Group revenue of the period.

(In € million)	**6 months ended June 30, 2020**	**%**	**6 months ended June 30, 2019**	**%**
Continuing operations				
Operating margin	**450**	**8.0%**	**529**	**9.2%**
Other operating income/(expenses)	-87		-241	
Operating income	**362**	**6.4%**	**288**	**5.0%**
Net financial income/(expenses)	-1		-79	
Tax charge	-34		-38	
Non-controlling interests	-1		-2	
Share of net profit/(loss) of associates	3		12	
Net income from continuing operations – Attributable to owners of the parent	**329**	**5.8%**	**180**	**3.1%**
Normalized net income from continuing operations – Attributable to owners of the parent*	**319**	**5.7%**	**343**	**6.0%**
Discontinued operation				
Net income from discontinued operation – Attributable to owners of the parent	**-**		**3,055**	

** The normalized net income is defined hereafter*

In 2019, the net income from discontinued operation included the contribution from Worldline net result from January 1, 2019 to April 30, 2019. In addition, it included the € 2,996 million net gain on distribution of Worldline shares net of costs to distribute (after tax) that took effect in May 7, 2019.

B.1.1.1 Operating margin

Operating margin represents the underlying operational performance of the current business and is analyzed in the operational review.
In accordance with recommendations from European and French regulators, the Group has elected to maintain effects of Covid-19 as part of the operating margin and not to present those as part of the Other operating income and expenses.

B.1.1.2 Other operating income and expenses

Other operating income and expenses relate to income and expenses that are unusual, abnormal and infrequent and represented a net expense of € 87 million in the first half of 2020. The following table presents this amount by nature:

(In € million)	6 months ended June 30, 2020	6 months ended June 30, 2019
Staff reorganization	-80	-63
Rationalization and associated costs	-22	-17
Integration and acquisition costs	-20	-24
Amortization of intangible assets (PPA from acquisitions)	-78	-79
Equity based compensation	-35	-34
Other items	147	-24
Total	**-87**	**-241**

Staff reorganization increased to € 80 million, mainly due to the acceleration of the adaptation of the Group workforce in several countries, in particular in Germany.

The € 22 million **rationalization and associated costs** primarily resulted from the closure of office premises and data center consolidation, mainly in North America and France.

Integration and acquisition costs at € 20 million mainly related to the integration costs of Syntel to generate synergies while the other costs relate to the migration and standardization of internal IT platforms from earlier acquisitions.

In the first half of 2020, amortization of intangible assets recognized through **Purchase Price Allocation** (PPA) of € 78 million was mainly composed of:

- € 33 million of Syntel customer relationships and technologies amortized over 12 years starting November 1, 2018;
- € 10 million of SIS customer relationships amortized over 4 to 12 years starting July 1, 2011;
- € 10 million of Xerox ITO customer relationships amortized over 6 to 12 years starting July 1, 2015;
- € 8 million of Unify customer relationships and technologies amortized over 2 to 10 years starting February 1, 2016;
- € 8 million of Bull customer relationships and patents amortized over respectively 9 years and 7 to 10 years starting September 1, 2014.

The **equity-based compensation** expense amounted to € 35 million in the first half of 2020 compared to € 34 million in the first half of 2019.

In the first half of 2020, **other items** presented a net profit for € 147 million compared to € -24 million including the following one-off items:

- The transaction made in February on Worldline shares, as follows:
  - The Accelerated Bookbuilding Offering of Worldline shares (ABO) on the market at € 61.5 per share led to a net gain on disposal, before tax, of € 120 million, including the write-off of the intangible assets generated by the Worldline purchase price allocation in May 7, 2019 and accounted for under equity method;
  - The retained interest of Atos in Worldline Group (c. 3.8%) was valued at the fair value at the disposal date, resulting in an additional profit of € 54 million presented as part of the net gain on disposal.
- Excluding the transaction described above, other expenses amounted to € 27 million remaining stable compared to 2019 and mainly corresponded to semi-retirement scheme in Germany and in UK.

B.1.1.3 Net financial expense

Net financial expense amounted to € 1 million for the period (compared to € 79 million for the first half of 2019) and was composed of a net cost of financial debt of € 21 million and net gain of non-operational financial of € 20 million.

Net cost of financial debt decreased from € 36 million in the first half of 2019 to € 21 million in the first half of 2020 due to the full reimbursment on November 14, 2019 of $ 1,900 million term loan to fund the Syntel acquisition and the payback in April 2020 of the € 600 million bond issued in July 2015. The average expense rate of the Group was 1.40% on the average gross borrowings compared to 1.63% in the first half of 2019. The average income rate on the average gross cash was 0.69% compared to 1.60% in the first half of 2019.

Non-operational financial net gain amounted to € 20 million compared to net cost of € 43 million in the first half of 2019 and were mainy composed of:

- net variance for € +41 million related to the OEB derivative liability and underlying Worldline shares, both at fair value through profit and loss as per IFRS 9;
- pension related interest of € 6 million compared to € 15 million on the first half of 2019. The pension financial cost represented the difference between interest costs on pension obligations and interest income on plan assets;
- lease liability interest (broadly stable compared to € 14 million expenses on the first half of 2019);
- net foreign exchange gain (including hedges) of € 4 million compared to a loss (including hedges) of € 3 million on the first half of 2019.

B.1.1.4 Corporate tax

The tax charge for the first half of 2020 was € 34 million with a profit before tax of € 361 million. The annualized projected Effective Tax Rate (ETR) was 18.5% (excluding the tax effects of the Worldline transaction that occurred during the period) compared to 18.3% for the first half of 2019. The annualized projected ETR has been computed taking into consideration annual objectives including Covid-19 impacts.

B.1.1.5 Share of net profit/(loss) of associates

On February 4, 2020, Atos lost its significant influence over Worldline and is no more considered as an associate according to IAS 28. From this date, Worldline remaining shares held by Atos are presented as Non-current financial assets and measured at fair value through profit and loss in accordance with IFRS 9.

Associates accounted for under equity method amounted to € 3 million in the first half of 2020, including the Worldline contribution for € 2 million from January 1st, 2020 to January 31, 2020 (instead of February 4, 2020 for practical reasons).

B.1.1.6 Normalized net income

The normalized net income excluding unusual, abnormal and infrequent items (net of tax) was € 319 million, representing 5.7% of Group revenue for the period.

(in €million)	**6 months ended June 30, 2020**	**6 months ended June 30, 2019**
Net income from continuing operations - Attributable to owners of the parent	**329**	**180**
Other operating income and expenses net of tax from continuing operations	-18	-163
Net gain/(loss) at fair value measurement on derivative liability and underlying Worldline shares, net of tax	28	-
Normalized net income from continuing operations - Attributable to owners of the parent	**319**	**343**

B.1.1.7 Half year Earning Per Share

(In € million and shares)	6 months ended June 30, 2020	% Margin	6 months ended June 30, 2019	% Margin
Continuing operations				
Net income from continuing operations – Attributable to owners of the parent [a]	**329**	**5.8%**	**180**	**3.1%**
Impact of dilutive instruments	-		-	
Net income from continuing operations restated of dilutive instruments - Attributable to owners of the parent [b]	**329**	**5.8%**	**180**	**3.1%**
Normalized net income from continuing operations – Attributable to owners of the parent [c]	**319**	**5.7%**	**343**	**6.0%**
Impact of dilutive instruments	-		-	
Normalized net income from continuing operations restated of dilutive instruments - Attributable to owners of the parent [d]	**319**	**5.7%**	**343**	**6.0%**
Average number of shares [e]	108,780,193		106,980,344	
Impact of dilutive instruments	-		8,730	
Diluted average number of shares [f]	108,780,193		106,989,074	
(In €)				
Basic EPS from continuing operations [a] / [e]	**3.02**		**1.68**	
Diluted EPS from continuing operations [b] / [f]	**3.02**		**1.68**	
Normalized basic EPS from continuing operations [c] / [e]	**2.93**		**3.21**	
Normalized diluted EPS from continuing operations [d] / [f]	**2.93**		**3.21**	
Discontinued operation				
Net income from discontinued operation – Attributable to owners of the parent [a]	**-**	**-**	**3,055**	**53.2%**
Impact of dilutive instruments	-		-	
Net income from discontinued operation restated of dilutive instruments - Attributable to owners of the parent [b]	**-**	**-**	**3,055**	**53.2%**
Average number of shares [e]	-		106,980,344	
Impact of dilutive instruments	-		8,730	
Diluted average number of shares [f]	-		106,989,074	
(In €)				
Basic EPS from discontinued operation [a] / [e]	**-**		**28.55**	
Diluted EPS from discontinued operation [b] / [f]	**-**		**28.55**	

B.1.2 Cash Flow and net cash

The Group reported a net debt position of € 779 million at the end of June 2020 and a free cash flow generation of € -172 million in the first half of 2020.

(in €million)	**6 months ended June 30, 2020**	**6 months ended June 30, 2019**
Operating Margin before Depreciation and Amortization (OMDA)	**774**	**835**
Capital expenditures	-186	-173
Lease payments	-172	-167
Change in working capital requirement	-407	-269
Cash from operation (CFO)	**9**	**227**
Tax paid	-55	-48
Net cost of financial debt paid	-21	-36
Reorganization in other operating income	-53	-49
Rationalization & associated costs in other operating income	-21	-22
Integration and acquisition costs	-22	-24
Other changes*	-7	-26
Free Cash Flow (FCF)	**-172**	**23**
Net (acquisitions) / disposals	1,239	-11
Capital increase / (decrease)	-	15
Share buy-back	-45	-76
Dividends paid	-3	-58
Change in net cash/(debt)	**1,019**	**-107**
Opening net cash/(debt)	**-1,736**	**-2,872**
Net debt from (used in) discontinued operation	-	35
Change in net cash/(debt)	1,019	-107
Foreign exchange rate fluctuation on net cash/(debt)	-62	5
Closing net cash/(debt)	**-779**	**-2,939**

** "Other changes" include other operating income with cash impact (excluding reorganization, rationalization and associated costs, integration and acquisition costs) and other financial items with cash impact, net long term financial investments excluding acquisitions and disposals, and profit sharing amounts payable transferred to debt.*

Free cash flow represented by the "Change in net cash/(debt)", excluding net acquisitions and disposals of the period, equity changes and dividends paid, was € -172 million compared to € +23 million in the first half of 2019.

Cash From Operations (CFO) amounted to € +9 million compared to € +227 million in the first half of 2019, the evolution coming from the following items:

- OMDA net of lease payments (€ -66 million);
- Capital expenditures (€ -13 million);
- Change in working capital (€ -138 million).

OMDA of € 774 million, representing a decrease of € -61 million compared to June 2019, reached 13.8% of revenue compared to 14.5% of revenue in June 2019. The bridge from operating margin to OMDA was as follows:

(in € million)	6 months ended June 30, 2020	6 months ended June 30, 2019
Operating margin	**450**	**529**
+ Depreciation of fixed assets	165	171
+ Depreciation of right of use	168	164
+ Net book value of assets sold/written off	4	13
+/- Net charge/(release) of pension provisions	-39	-39
+/- Net charge/(release) to allowances/provisions	26	-3
OMDA	**774**	**835**

Capital expenditures totaled € 186 million, representing 3.3% of revenue, 30 bps more than the same period last year. For full year, capital expenditure is reducing to 3% below 2019 level.

The negative contribution from **change in working capital** was € -407 million (compared to € -269 million in the first half of 2019). The DSO has increased by 11 days (from 47 days at the end of December 2019 to 58 days at the end of June 2020), while the DPO has decreased by 10 days (from 79 days at the end of December 2019 to 69 days at the end of June 2020).

Cash out related to **taxes paid** increased by € 7 million.

Cost of net debt decreased by € 15 million due to the full reimbursment on November 14, 2019 of $ 1,900 million term loan to fund the Syntel acquisition and the payback in April 2020 of the € 600 million bond issued in July 2015.

Reorganization, rationalization and associated costs, and integration and acquisition costs reached € 97 million. A portion of reorganization costs was pulled forward into H1 to optimize the impact on the full year operating margin.

Other changes amounted to € -7 million compared to € -26 million. An improvement of € 19 million mainly due to a positive effect of foreign exchange and less one-time effects in the first semester 2019.

As a result of the above evolutions mainly impacted by the change of the working capital requirement, the **Group free cash flow (FCF)** generated € -172 million during the first half of 2020, compared to € +23 million in the first half of 2019. The variation results mainly from € -61 million less Operating Margin before Depreciation and Amortization (OMDA), € -63 million reduced sales of receivables which will be caught up by year-end and € -50 million timing effect of third-party payments which became due in first semester and is leading to lower payments in second semester, as well as increased work in progress for € -24 million mainly on large deliveries of High Performance Computing.

The net cash impact resulting from the **net acquisitions/disposals** amounted to € 1,239 million, mainly originated from the Accelerated Bookbuilding Offering of Worldline shares (ABO) on the market for € 1,425 million, net of costs of disposal and tax, reduced by the acquisitions of Maven Wave and Miner & Kasch for € 182 million.

No **Capital increase** in the first half of 2020 compared to € 15 million in the first half of 2019. This is mainly explained by the Group shareholding program SHARE 2018 for employees which occurred only in the first half of 2019.

Share buy-back reached € 45 million during the first half of 2020 compared to € 76 million in the first half of 2019. These share buy-back programs are related to managers performance shares delivery and aim at avoiding dilution effect for the shareholders.

In the first half of 2020, no **dividends** were paid by Atos SE as a consequence of Covid-19 economic impact.

Foreign exchange rate fluctuation determined on debt or cash exposure by country represented an increase in net debt of € 62 million mainly in US Dollar, Indian Rupee and Brazilian currency.

As a result, the **Group net debt position** as of June 30, 2020 was € 779 million, compared to € 1,736 million as of December 31, 2019. As a reminder, assuming the full conversion of the Optional Exchangeable Bonds, net debt would be € 279 million.

B.1.3 Bank covenant

The Group achieved its borrowing covenant (leverage ratio) applicable to the multi-currency revolving credit facility and the securitization program, with a **leverage ratio** (net debt divided by OMDA) of 0.56 at the end of June 2020.

According to the credit documentation of the multi-currency revolving credit facility and the securitization program, the leverage ratio is calculated excluding IFRS16 impacts, taking into account 12 months rolling OMDA at the end of June 30, 2020.

The leverage ratio must not be greater than 2.5 times under the terms of the multi-currency revolving credit facility and the securization program.

B.2 Interim condensed consolidated financial statements

B.2.1 Interim condensed consolidated income statement

(in € million)	Notes	6 months ended June 30, 2020	6 months ended June 30, 2019
Revenue	**Note 3.1**	**5,627**	**5,744**
Personnel expenses	Note 4.1	-2,623	-2,677
Operating expenses	Note 4.2	-2,555	-2,538
Operating margin		**450**	**529**
% of revenue		**8.0%**	**9.2%**
Other operating income and expenses	Note 5	-87	-241
Operating income		**362**	**288**
% of revenue		**6.4%**	**5.0%**
Net cost of financial debt		-21	-36
Other financial expenses		-101	-53
Other financial income		121	10
Net financial income	Note 6.1	-1	-79
Net income before tax		**361**	**209**
Tax charge	Note 7	-34	-38
Share of net profit/(loss) of associates	Note 9	3	12

Continuing operations

Net income from continuing operations		**330**	**182**
Of which:			
- attributable to owners of the parent		**329**	**180**
- non-controlling interests		1	2

Discontinued operation

Net income from discontinued operation		**-**	**3,143**
Of which:			
- attributable to owners of the parent		**-**	**3,055**
- non-controlling interests		-	89

Total Group

Net income of consolidated companies		**330**	**3,326**
Of which:			
- attributable to owners of the parent		**329**	**3,235**
- non-controlling interests		1	91

(In € million and shares)	Notes	6 months ended June 30, 2020	6 months ended June 30, 2019
Net income from continuing operations - Attributable to owners of the parent	**Note 12**	**329**	**180**
Weighted average number of shares		108,780,193	106,980,344
Basic earnings per share from continuing operations		**3.02**	**1.68**
Diluted weighted average number of shares		108,780,193	106,989,074
Diluted earnings per share from continuing operations		**3.02**	**1.68**
Net income from discontinued operation - Attributable to owners of the parent	**Note 12**	**-**	**3,055**
Weighted average number of shares		-	106,980,344
Basic earnings per share from discontinued operation		**-**	**28.55**
Diluted weighted average number of shares		-	106,989,074
Diluted earnings per share from discontinued operation		**-**	**28.55**
Net income of consolidated companies - Attributable to owners of the parent	**Note 12**	**329**	**3,235**
Weighted average number of shares		108,780,193	106,980,344
Basic earnings per share of consolidated companies		**3.02**	**30.23**
Diluted weighted average number of shares		108,780,193	106,989,074
Diluted earnings per share of consolidated companies		**3.02**	**30.23**

B.2.2 Interim condensed consolidated statement of comprehensive income

(In € million)	6 months ended June 30, 2020	6 months ended June 30, 2019
Net income of consolidated companies	**330**	**3,326**
Other comprehensive income		
- to be reclassified subsequently to profit or loss (recyclable):	**-220**	**47**
Cash flow hedging	-4	3
Exchange differences on translation of foreign operations	-217	45
Deferred tax on items recyclable recognized directly on equity	1	-1
- not reclassified to profit or loss (non-recyclable):	**-49**	**-113**
Actuarial gains and losses generated in the period on defined benefit plan	-68	-156
Deferred tax on items non-recyclable recognized directly in equity	18	43
Total other comprehensive income	**-269**	**-66**
Total comprehensive income for the period	**61**	**3,260**
Of which:		
- attributable to owners of the parent	**60**	**3,169**
- non-controlling interests	1	91

B.2.3 Interim condensed consolidated statement of financial position

(in €million)	Notes	June 30, 2020	December 31, 2019
ASSETS			
Goodwill	Note 8	6,113	6,037
Intangible assets		1,564	1,675
Tangible assets		579	552
Right-of-use		1,064	1,084
Investments in associates accounted for under the equity method	Note 9	7	1,727
Non-current financial assets	Note 6.3	873	351
Deferred tax assets		345	325
Total non-current assets		**10,545**	**11,751**
Trade accounts and notes receivable	Note 3.2	2,953	2,858
Current taxes		88	53
Other current assets	Note 4.4	1,530	1,568
Current financial instruments		9	7
Cash and cash equivalents	Note 6.2	3,257	2,413
Total current assets		**7,837**	**6,898**
TOTAL ASSETS		**18,382**	**18,649**

(in €million)	Notes	June 30, 2020	December 31, 2019
LIABILITIES AND SHAREHOLDERS' EQUITY			
Common stock		109	109
Additional paid-in capital		1,441	1,441
Consolidated retained earnings		5,611	2,278
Translation adjustments		-369	-152
Net income of consolidated companies attributable to the owners of the parent		329	3,399
Equity attributable to the owners of the parent		7,121	7,075
Non-controlling interests		10	12
Total shareholders' equity		**7,131**	**7,087**
Provisions for pensions and similar benefits	Note 10	1,282	1,252
Non-current provisions	Note 11	46	69
Borrowings		2,663	2,651
Derivative liabilities		169	107
Deferred tax liabilities		159	238
Non-current financial instruments		1	2
Non-current lease liabilities		944	927
Other non-current liabilities		1	3
Total non-current liabilities		**5,266**	**5,249**
Trade accounts and notes payables	Note 4.3	2,102	2,278
Current taxes		211	182
Current provisions	Note 11	156	119
Current financial instruments		7	1
Current portion of borrowings		1,375	1,498
Current lease liabilities		352	346
Other current liabilities	Note 4.5	1,783	1,888
Total current liabilities		**5,985**	**6,313**
TOTAL LIABILITIES AND SHAREHOLDER'S EQUITY		**18,382**	**18,649**

B.2.4 Interim condensed consolidated cash flow statement

(in €million)	Notes	6 months ended June 30, 2020	6 months ended June 30, 2019
Profit before tax from continuing operations		**361**	**209**
Depreciation of assets	Note 4.2	165	171
Depreciation of right-of-use	Note 4.2	168	164
Net charge / (release) to operating provisions		-14	-33
Net charge / (release) to financial provisions		13	15
Net charge / (release) to other operating provisions		31	6
Amortization of intangible assets (PPA from acquisitions)		78	79
Losses / (gains) on disposals of fixed assets *		-171	11
Net charge for equity-based compensation		31	34
Unrealized losses / (gains) on changes in fair value and other		-32	-1
Net cost of financial debt	Note 6.1	21	36
Interest on lease liability	Note 6.1	14	14
Cash from operating activities before change in working capital requirement, financial interest and taxes		**665**	**705**
Tax paid		-55	-48
Change in working capital requirement		-407	-269
Net cash from / (used in) operating activities		**202**	**388**
Payment for tangible and intangible assets		-186	-173
Proceeds from disposals of tangible and intangible assets		2	-
Net operating investments		**-184**	**-173**
Amounts paid for acquisitions and long-term investments		-181	-3
Cash and cash equivalents of companies purchased during the period		2	-
Proceeds from disposals of financial investments		1,424	-8
Cash and cash equivalents of companies sold during the period		-3	-
Net long-term investments		**1,243**	**-11**
Net cash from / (used in) investing activities		**1,059**	**-184**
Common stock issues on the exercise of equity-based compensation		-	15
Purchase and sale of treasury stock		-45	-76
Dividends paid		-	-58
Dividends paid to non-controlling interests		-3	-
Lease payments		-172	-167
New borrowings		1,036	91
Repayment of current and non-current borrowings		-1,226	-81
Net cost of financial debt paid		-21	-36
Other flows related to financing activities		-8	3
Net cash from / (used in) financing activities	**Note 6.4**	**-439**	**-309**
Increase / (decrease) in net cash and cash equivalents		**821**	**-105**
Opening net cash and cash equivalents		**2,334**	**2,378**
Net cash from (used in) discontinued operation		-	-95
Increase / (decrease) in net cash and cash equivalents	Note 6.4	821	-105
Impact of exchange rate fluctuations on cash and cash equivalents		-62	14
Closing net cash and cash equivalents	**Note 6.4**	**3,093**	**2,191**

** "Losses / (gains) on disposal of assets" including the ABO of Worldline shares gain.*

B.2.5 Interim consolidated statement of changes in shareholders’ equity

(In €million)	Number of shares at period-end *(thousands)*	Common Stock	Additional paid-in capital	Consolidated retained earnings	Translation adjustments	Items recognized directly in equity	Net income	Total	Non controlling interests	Total shareholders' equity
At December 31, 2018, adjusted	**106,886**	**107**	**2,862**	**2,748**	**-285**	**11**	**630**	**6,074**	**2,027**	**8,101**
▪ Common stock issued	2,329	2	140					142		142
▪ Appropriation of prior period net income				630			-630	-		-
▪ Dividends paid				-182				-182	-2	-184
▪ Distribution in kind of Worldline shares			-1,561	-783				-2,344		-2,344
▪ Equity-based compensation				33				33		33
▪ Changes in treasury stock				-75				-75		-75
▪ Non controlling interests Worldline								-	-2,107	-2,107
Transactions with owners	**2,329**	**2**	**-1,421**	**-378**	**-**	**-**	**-630**	**-2,426**	**-2,109**	**-4,536**
▪ Net income							3,235	3,235	91	3,326
▪ Other comprehensive income				-113	45	2		-65		-65
Total comprehensive income for the period				**-113**	**45**	**2**	**3,235**	**3,170**	**91**	**3,261**
At June 30, 2019	**109,215**	**109**	**1,441**	**2,257**	**-240**	**14**	**3,235**	**6,817**	**8**	**6,825**
▪ Dividends paid								-	-1	-1
▪ Equity-based compensation				34				34		34
▪ Changes in treasury stock				-37				-37		-37
▪ Other					-1			-1	3	2
Transactions with owners				**-3**	**-1**			**-4**	**2**	**-2**
▪ Net income							164	164	1	165
▪ Other comprehensive income				15	89	-5		98		98
Total comprehensive income for the period				**15**	**89**	**-5**	**164**	**262**	**1**	**263**
At December 31, 2019	**109,215**	**109**	**1,441**	**2,269**	**-152**	**9**	**3,399**	**7,075**	**12**	**7,087**
▪ Common stock issued								-		-
▪ Appropriation of prior period net income				3,399			-3,399	-		-
▪ Dividends paid								-	-3	-3
▪ Equity-based compensation				31				31		31
▪ Changes in treasury stock				-45				-45		-45
Transactions with owners	**-**	**-**	**-**	**3,385**	**-**	**-**	**-3,399**	**-14**	**-3**	**-17**
▪ Net income							329	329	1	330
▪ Other comprehensive income				-49	-217	-3		-269		-269
Total comprehensive income for the period	**-**	**-**	**-**	**-49**	**-217**	**-3**	**329**	**60**	**1**	**61**
At June 30, 2020	**109,215**	**109**	**1,441**	**5,605**	**-369**	**6**	**329**	**7,121**	**10**	**7,131**

B.2.6 Appendices to the interim condensed consolidated financial statements

B.2.6.1 Basis of preparation and significant accounting policies

The 2020 interim condensed consolidated financial statements have been prepared in accordance with the applicable international accounting standards, as endorsed by the European Union and of mandatory application as at January 1, 2020.

The international standards comprise the International Financial Reporting Standards (IFRS) as issued by the International Accounting Standards Board (IASB), the International Accounting Standards (IAS), the interpretations of the Standing Interpretations Committee (SIC) and the International Financial Reporting Interpretations Committee (IFRIC).

These interim consolidated financial statements for the six months period ended June 30, 2020, have been prepared in accordance with IAS 34 - Interim Financial Reporting - and should be read in conjunction with the Group's last annual consolidated financial statements as at and for the year ended December 31, 2019. They do not include all the information required for a complete set of IFRS financial statements. However, selected explanatory notes are included to explain events and transactions that are significant to an understanding of the changes in the Group's financial position and performance since the last annual financial statements.

Changes in accounting policies

Except for new standards and amendments effective for the periods beginning as of January 1, 2020, the accounting policies applied in these interim consolidated financial statements are the same as those applied in the Group's consolidated financial statements as at and for the year ended December 31, 2019.

Other standards

As of January 1, 2020, the Group applied the following standards, interpretations and amendments that had no material impact on the Group financial statements:

- Amendments to References to Conceptual Framework in IFRS Standards;
- Amendments to IFRS 3 – Definition of a Business;
- Amendments to IAS 1 and IAS 8 – Definition of Material;
- Amendments to IFRS 9, IAS 39 and IFRS 7 – Interest Rate Benchmark Reform.

The Group has not early adopted any standard or interpretation not required to be applied for periods beginning as or after January 1, 2020. The Group does not apply IFRS standards and interpretations that have not been yet approved by the European Union at the closing date.

The Group is currently reviewing the potential impact of the IFRIC decisions of December 2019 on the definition of the enforceable contractual period of a lease. The final assessment is still on-going and no major impact is expected.

These interim consolidated financial statements are presented in euro, which is the Group's presentation currency. All figures are presented in € million.

Accounting estimates and judgments

The preparation of consolidated financial statements requires management to make judgments, estimates and assumptions that affect the reported amounts of assets and liabilities, income and expense in the financial statements and disclosures of contingent assets and liabilities at the closing date.

Material judgments made by the management on accounting principles applied, as well as the main sources of uncertainty related to the estimates used to elaborate the 2020 interim condensed consolidated financial statements remain identical to those described in the last annual report, except for potential Covid-19 impacts which are detailed in B.2.6.3.

B.2.6.2 Significant accounting policies

In addition to the accounting principles as disclosed in the annual consolidated financial statements, significant accounting principles are presented in Notes 7 – Income tax expenses, 8 – Goodwill and 10 – Pension plans and other long-term benefits, being relevant for the interim consolidated financial statements.

B.2.6.3 Impact of pandemic crisis on interim consolidated financial statements

The events linked to Covid-19 led the Group to take into consideration the global economy downturn and recent market conditions in the judgments made and assumptions taken when preparing these interim consolidated financial statements.

The Covid-19 pandemic (and its consequences) is considered as a trigger event for impairment testing. As such, the Group performed procedures to ensure recoverable amount of Regional Business Units were not falling below its carrying amount (See Note 8).

Recoverability of Deferred tax Assets and tax losses carried forward has been tested based on the new business assumptions (See Note 7).

Impacts of Covid-19 on long term contract accounting has been reviewed taking into consideration potential loss-making situation or recoverability of contract assets and contract costs. Expected Credit Loss model has also been reviewed to consider potential increased risk in customer bankruptcies (See Note 3.2).

In accordance with recommendations from European and French regulators, the Group has elected to maintain effects of Covid-19 as part of the operating margin and not to present those as part of the Other operating income and expenses.

B.2.6.4 Notes to the half-year condensed consolidated financial statements

Note 1 Changes in the scope of consolidation

Worldline shares disposal in 2020

Following the distribution in kind of 23.5% of Worldline shares to Atos shareholders on May 7, 2019 and a disposal of a part of the remining shares in November 2019, Atos disposed on February 4, 2020 a part of its retained interest by selling ca. 23.9 million of Worldline shares through an Accelerated Bookbuiling Offering (ABO) on the market for € 1,425 million, net of costs of disposal and tax.

The gain on disposal was recognized in the consolidated income statement in "Other operating income and expenses", as elected by the Group in its Accounting Policies in the 2019 Registration Document.

After the distribution in kind in May 2019, the Group considered it had a significant influence over Worldline and therefore applied IAS 28. Hence, Worldline was accounted for under Equity method.

Following the ABO in February 2020, the Group considered it has no longer a significant influence over Worldline according to IAS 28. Hence, at the disposal date, the retained interest in Worldline was classified as a financial asset under IFRS 9, measured at fair value through the profit and loss.

The financial impacts of this transaction are disclosed in Notes 5, 6.3 and 9.

Maven Wave acquisition

January 31, 2020, Atos acquired Maven Wave, a U.S.-based business and technology consulting firm specialized in delivering digital transformation solutions for large enterprises. The company is a leading Google Cloud Premier Partner with eight Cloud Partner Specializations and recognized as the Google Cloud North America Services Partner of the year in both 2018 and 2019. Maven Wave has been reported in the RBU North America.

The consideration transferred was € 172 million leading to the recognition of a preliminary goodwill for € 168 million.

If the acquisition of Maven Wave had occurred on January 1, 2020, the six-month revenue for 2020 would have been € 67 million and the six-month net income would have been € 5 million.

Miner & Kasch acquisition

April 22, 2020, Atos announced its acquisition of Miner & Kasch, an artificial intelligence (AI) and data science consulting firm headquartered in Elkridge, Maryland that specializes in building intelligent end-to-end, data-driven solutions. With this acquisition, Atos will enhance its big data and AI consulting practice of zData experts to accelerate its Data Science-as-a-Service offering and to deploy edge and next generation data science platforms for industry solutions at a global scale. Miner & Kasch has been reported in the RBU North America.

The consideration transferred was € 10 million leading to the recognition of a final goodwill for € 8 million.

If the acquisition of Miner & Kasch had occurred on January 1, 2020, the six-month revenue for 2020 would have been € 5 million and the six-month net income would have been € 1 million.

Note 2 Segment information

According to IFRS 8, reported operating segments profits are based on internal management reporting information that is regularly reviewed by the chief operating decision maker, and is reconciled to Group profit or loss. The chief operating decision maker assesses segments profit or loss using a measure of operating profit. The chief operating decision maker, who is responsible for allocating resources and assessing performance of the operating segments, has been identified as the company CEO who makes strategic decisions.

As of 2020, the Group initiated a transformation, called "SPRING", aiming at reshaping its portfolio of offerings, reinforcing its go-to-market approach, and setting-up an Industry led organization. In this context, six Industries have been created:

- Manufacturing;
- Financial Services & Insurance;
- Public Sector & Defense;
- Telecom, Media & Technology;
- Resources & Services;
- Healthcare & Life Sciences.

At the same time, the Group gathered Global Business Units into 5 Regional Business Units (RBU), each of them under a single leadership:

- North America;
- Northern Europe: former United Kingdom & Ireland, and Benelux & The Nordics;
- Central Europe: former Germany, and Central & Eastern Europe excluding Italy;
- Southern Europe: former France, Iberia, and Italy;
- Growing Markets: former Asia-Pacific, South America, and Middle East & Africa.
- The Global delivery centers have been isolated in Growing markets caption.

The Regional Business Units (RBUs) remain the main operating segments.

In order to facilitate the transition period related to "SPRING", the Group also reports by Division the revenue in 2020. Revenue will be disclosed by Industry and Division in the 2020 Full Year Financial Statements with comparative period.

Operating segments	Industries
North America	Manufacturing, Financial Services & Insurance, Public Sector & Defense, Telecom, Media & Technology, Resources & Services, in addition to Healthcare & Life Sciences in Canada, Guatemala, Mexico and the United States of America.
Northern Europe	Manufacturing, Financial Services & Insurance, Public Sector & Defense, Telecom, Media & Technology, Resources & Services, in addition to Healthcare & Life Sciences in Belarus, Belgium, Denmark, Estonia, Finland, Ireland, Lithuania, Luxembourg, Poland, Russia, Sweden, The Netherlands and the United Kingdom.
Central Europe	Manufacturing, Financial Services & Insurance, Public Sector & Defense, Telecom, Media & Technology, Resources & Services, in addition to Healthcare & Life Sciences in Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Germany, Greece, Hungary, Israel, Romania, Serbia, Slovakia, Slovenia, Switzerland.
Southern Europe	Manufacturing, Financial Services & Insurance, Public Sector & Defense, Telecom, Media & Technology, Resources & Services, in addition to Healthcare & Life Sciences in Andorra, France, Italy, Morocco offshore delivery Center, Portugal and Spain.
Growing markets	Manufacturing, Financial Services & Insurance, Public Sector & Defense, Telecom, Media & Technology, Resources & Services, in addition to Healthcare & Life Sciences in AbuDhabi, Algeria, Andorra, Argentina, Australia, Brazil, Chile, China, Colombia, Egypt, Gabon, Hong-Kong, India, Ivory Coast, Japan, Lebanon, Malaysia, Madagascar, Mauritius, Morocco, Namibia, New-Zealand, Peru, Philippines, Qatar, Saudi-Arabia, Senegal, Singapore, South-Africa, South Korea, Taiwan, Thailand, Tunisia, Turkey, UAE, Uruguay and also Major Events activities, Global Delivery Centers.

Inter-segment transfers or transactions are entered into under the normal commercial terms and conditions that would also be available to unrelated third parties. The revenue from each external contract amounted to less than 10% of the Group's revenue.

The operating segment information for the periods is as follows:

(in € million)	North America	Northern Europe	Central Europe	Southern Europe	Growing markets	Total operating segments	Global structures	Elimination	Total Group
6 months ended June 30, 2020									
External revenue by segment	**1,355**	**1,360**	**1,370**	**1,143**	**399**	**5,627**	**-**	**-**	**5,627**
% of Group revenue	24.1%	24.2%	19.6%	20.3%	7.1%	100.0%			100.0%
Inter-segment revenue	46	87	97	42	569	841	138	-979	-
Total revenue	1,401	1,447	1,467	1,185	968	6,468	138	-979	5,627
Segment operating margin	**208**	**101**	**42**	**86**	**54**	**490**	**-40**		**450**
% of margin	15.3%	7.4%	3.1%	7.5%	13.4%	8.7%			8.0%
Total segment assets	**4,808**	**2,522**	**2,349**	**2,469**	**1,494**	**13,642**	**1,050**		**14,692**

6 months ended June 30, 2019*									
External revenue by segment	**1,345**	**1,366**	**1,374**	**1,218**	**442**	**5,744**	**-**	**-**	**5,744**
% of Group revenue	23.4%	23.8%	19.3%	21.2%	7.7%	100.0%			100.0%
Inter-segment revenue	29	96	93	110	449	776	197	-973	-
Total revenue	1,374	1,462	1,467	1,328	890	6,521	197	-973	5,744
Segment operating margin	**148**	**126**	**91**	**92**	**112**	**568**	**-38**		**529**
% of margin	11.0%	9.2%	6.6%	7.5%	25.4%	9.9%			9.2%
Total segment assets	**4,681**	**2,349**	**2,428**	**2,211**	**1,536**	**13,205**	**3,311**		**16,515**

** Figures presented are restated by Regional Business Units, in accordance with IFRS8.*

The total assets by segment for the periods is as follows:

(in €million)	June 30, 2020	June 30, 2019
Total segment assets	**14,692**	**16,515**
Tax Assets	433	428
Cash & Cash Equivalents	3,257	2,230
Total Assets	**18,382**	**19,173**

The Group revenue are split into the following industries:

(in € million)	Manufac-turing	Financial Services & Insurance	Public Sector & Defense	Telecom, Media & Technology	Ressources & Services	Healthcare & Life Sciences	Total Group
6 months ended June 30, 2020							
External revenue by market	**1,037**	**1,077**	**1,216**	**836**	**804**	**657**	**5,627**
% of Group revenue	18.4%	19.1%	21.6%	14.9%	14.3%	11.7%	100.0%
6 months ended June 30, 2019							
External revenue by market	**1,144**	**1,112**	**1,141**	**869**	**823**	**655**	**5,744**
% of Group revenue	19.9%	19.4%	19.9%	15.1%	14.3%	11.4%	100.0%

** Figures presented are restated by Regional Business Units, in accordance with IFRS8.*

Note 3 Revenue, trade receivables, contract assets and contract costs

3.1 – Disaggregation of revenue by Division

In order to facilitate the transition period related to "SPRING", the Group also reports by Division the revenue in the first semester 2020 as follows:

(in €million)	Infrastructure and data management	Business & Platform solutions	Big Data & cybersecurity	Total Group
6 months ended June 30, 2020				
External revenue by segment	**3,101**	**1,963**	**563**	**5,627**
% of Group revenue	55.1%	34.9%	10.0%	100.0%
6 months ended June 30, 2019				
External revenue by segment	**3,137**	**2,135**	**473**	**5,744**
% of Group revenue	54.6%	37.2%	8.2%	100.0%

Revenue will be disclosed by Industry and Division in the 2020 Full Year Financial Statements with comparative period.

3.2 – Trade accounts and Notes receivables

(In € million)	June 30, 2020	December 31, 2019
Contract assets	1,747	1,517
Trade receivables	1,191	1,301
Contract costs	116	106
Expected credit losses allowances	-101	-66
Net asset value	**2,953**	**2,858**
Contract liabilities	-651	-680
Net accounts receivable	**2,302**	**2,178**
Number of days' sales outstanding (DSO)	**58**	**47**

Atos securitization program of trade receivables has been renewed for 5 years on May 29, 2018 with a maximum amount of receivables sold of € 500 million and a maximum amount of financing reduced from € 200 million to € 100 million. The Group sold with recourse trade receivables for € 59 million. These trade receivables have not been derecognized from the statement of financial position, because the Group retains substantially all risks and rewards.

As of June 30, 2020, € 795 million of trade receivables were transferred to third parties with conditions of the transfers meeting IFRS 9 requirements, meaning transfer of contractual cash flows and transfer of substantially all risks and rewards are achieved (€ 873 million as of December 31, 2019). Those trade receivables were therefore derecognized in the statement of financial position as of June 30, 2020. The € 795 million included $ 82 million in the US where Atos only sells 90% of the right to cash flows and then derecognizes 90% of the receivables.

The Group did not face any major customer's bankruptcy due to Covid-19 and does not anticipate a significant increase in its exposure. As such, the Group did not amend significantly its expected credit loss model.

The Group also assessed its potential exposure on the recoverability of the contract assets and contract costs. As a result, no impairement nor accelerated depreciation have been deemed necessary.

Note 4 Operating items

4.1 – Personnel expenses

(In € million)	6 months ended June 30, 2020	% Revenue	6 months ended June 30, 2019	% Revenue
Wages and salaries	-2,128	37.8%	-2,172	37.8%
Social security charges	-501	8.9%	-505	8.8%
Tax, training, profit-sharing	-33	0.6%	-39	0.7%
Net (charge)/release to provisions for staff expenses	-1	0.0%	-	-
Net (charge)/release of pension provisions	39	-0.7%	39	-0.7%
Total	**-2,623**	**46.6%**	**-2,677**	**46.6%**

4.2 – Non-personnel operating expenses

(In € million)	6 months ended June 30, 2020	% Revenue	6 months ended June 30, 2019	% Revenue
Subcontracting costs direct	-947	16.8%	-950	16.5%
Hardware and software purchase	-580	10.3%	-507	8.8%
Maintenance costs	-286	5.1%	-331	5.8%
Rent expenses	-18	0.3%	-11	0.2%
Telecom costs	-142	2.5%	-152	2.6%
Travel expenses	-34	0.6%	-79	1.4%
Professional fees	-102	1.8%	-100	1.7%
Others expenses	-143	2.5%	-127	2.2%
Subtotal expenses	**-2,253**	**40.0%**	**-2,258**	**39.3%**
Depreciation of assets	-165	2.9%	-171	3.0%
Depreciation of right-of-use	-168	3.0%	-164	2.9%
Net (charge)/release to allowances/provisions	-26	0.5%	3	-0.1%
Gains/(Losses) on disposal of assets	-3	0.1%	-10	0.2%
Trade receivables write-off	-6	0.1%	-5	0.1%
Capitalized production	66	-1.2%	66	-1.2%
Subtotal other expenses	**-302**	**5.4%**	**-280**	**4.9%**
Total	**-2,555**	**45.4%**	**-2,538**	**44.2%**

4.3 – Trade accounts and notes payable

(In €million)	June 30, 2020	December 31, 2019
Trade payables and notes payable	**2,102**	**2,278**
Net advance payments	-46	-31
Prepaid expenses and advanced invoices	-737	-691
Net accounts payable	**1,319**	**1,556**
Number of days' payable outstanding (DPO)	**69**	**79**

4.4 – Other current assets

(In €million)	June 30, 2020	December 31, 2019
Inventories	114	104
State - VAT receivables	201	212
Prepaid expenses and advanced invoices	737	691
Other receivables & current assets	432	529
Net advance payments	46	31
Total	**1,530**	**1,568**

4.5 – Other current liabilities

(In €million)	June 30, 2020	December 31, 2019
Employee-related liabilities	363	355
Social security and other employee welfare liabilities	176	172
VAT payables	367	371
Contract liabilities	651	680
Other operating liabilities	226	310
Total	**1,783**	**1,888**

Note 5 Other operating income and expenses

Other operating income and expenses relate to income and expenses that are unusual, abnormal and infrequent and represented a net expense of € 87 million in the first half of 2020. The following table presents this amount by nature:

(In €million)	6 months ended June 30, 2020	6 months ended June 30, 2019
Staff reorganization	-80	-63
Rationalization and associated costs	-22	-17
Integration and acquisition costs	-20	-24
Amortization of intangible assets (PPA from acquisitions)	-78	-79
Equity based compensation	-35	-34
Other items	147	-24
Total	**-87**	**-241**

Staff reorganization increased to € 80 million, mainly due to the acceleration of the adaptation of the Group workforce in several countries, in particular in Germany.

The € 22 million **rationalization and associated costs** primarily resulted from the closure of office premises and data center consolidation, mainly in North America and France.

Integration and acquisition costs at € 20 million mainly related to the integration costs of Syntel to generate synergies while the other costs relate to the migration and standardization of internal IT platforms from earlier acquisitions.

In the first half of 2020, amortization of intangible assets recognized through **Purchase Price Allocation** (PPA) of € 78 million was mainly composed of:

- € 33 million of Syntel customer relationships and technologies amortized over 12 years starting November 1, 2018;
- € 10 million of SIS customer relationships amortized over 4 to 12 years starting July 1, 2011;
- € 10 million of Xerox ITO customer relationships amortized over 6 to 12 years starting July 1, 2015;
- € 8 million of Unify customer relationships and technologies amortized over 2 to 10 years starting February 1, 2016;
- € 8 million of Bull customer relationships and patents amortized over respectively 9 years and 7 to 10 years starting September 1, 2014.

The **equity-based compensation** expense amounted to € 35 million in the first half of 2020 compared to € 34 million in the first half of 2019.

In the first half of 2020, **other items** presented a net profit for € 147 million compared to € -24 million including the following one-off items:

- The transaction made in February on Worldline shares, as follows:
  - The Accelerated Bookbuilding Offering of Worldline shares (ABO) on the market at € 61.5 per share led to a net gain on disposal, before tax, of € 120 million, including the write-off of the intangible assets generated by the Worldline purchase price allocation in May 7, 2019 and accounted for under equity method;

- The retained interest of Atos in Worldline Group (c. 3.8%) was valued at the fair value at the disposal date, resulting in an additional profit of € 54 million presented as part of the net gain on disposal.

- Excluding the transaction described above, other expenses amounting € 27 million remaining stable compared to 2019 and mainly corresponded to semi-retirement scheme in Germany and in UK.

Equity-based compensation

In the context of Covid-19 crisis, Board of Director of July 24, 2020 amended the new performance conditions for free share plans granted in 2018 and 2019 and the stock options plan of 2019 in regards to the 2020 revised targets. As a result, the initial assumptions taken for the calculation of those plans remain unchanged at the end of June and will be revised in the second half of the year.

The € 35 million expense recorded within other operating income relating to equity-based compensation (€ 34 million in the first half of 2019) is made up of:

(In € million)	**6 months ended June 30, 2020**	**6 months ended June 30, 2019**
By years :		
Plans 2020	7	-
Plans 2019	7	-
Plans 2018	7	7
Plans 2017	13	11
Plans 2016	-	13
Plans 2015	1	3
Total	**35**	**34**
By category of plans :		
Free share plans	33	33
Stock options	0	-
Employee share purchase plan	2	1
Total	**35**	**34**

Free shares plans

Main previous plans presented in "other operating income and expense" during the semester was the following:

Grant Date	**October 23, 2019**	**July 24, 2019**
Number of shares granted	12,000	857,743
Share price at grant date (€)	63.60	69.75
Vesting date	October 23, 2022	July 24, 2022
Expected life (years)	3	3
Expected dividend yield (%)	2.07%	2.07%
Fair value of the instrument (€)	**59.77**	**65.55**
2020 expense recognized (in € million)	**0**	**6**

Grant Date	**March 27, 2018**	**July 22, 2018**
Number of shares granted	8,550	891,175
Share price at grant date (€)	90.00	90.00
Vesting date	March 26, 2021	July 21, 2021
Expected life (years)	3	3
Expected dividend yield (%)	1.20%	1.20%
Fair value of the instrument (€)	**87.08**	**87.08**
2020 expense recognized (in € million)	**0**	**7**

Grant Date	July 28, 2015 Foreign plan	July 25, 2017
Number of shares granted	510,000	777,910
Share price at grant date (€)	69.70	90.00
Vesting date	January 2, 2020	July 25, 2020
Expected life (years)	4.5	3
Expected dividend yield (%)	1.20%	1.20%
Fair value of the instrument (€)	**65.89**	**88.12**
2020 expense recognized (in € million)	**1**	**13**

Stock options plan granted in 2019

Number of shares issued	209,200
Share price at grant date (€)	78
Strike price (€)	80
Vesting date	July 24, 2022
Expected maturity of the plan (years)	3 years
Risk free interest rate (%)	-0.44%
Expected dividend yield (%)	2.07%
Fair value of the instrument (€)	**6.67**
Expense recognized in 2020 (in € million)	**0**

Employee share purchase plan Share 2020

In June 2020, the Group implemented a new employee share option plan called SHARE detailed as follows:

SHARE 2020 was open to employees throughout the Group. This new plan offered eligible employees the purchase of shares at a 25% discount with a five-year lock-up period restriction and the attribution of free shares for the first 2 subscribed shares.

As a consequence of the plan, the Group will issue new shares end of July, at a reference share price of € 64.6 (before the 25% discount application). Final impact will be adjusted in the second half of the year once the subscriptions are full and final.

The cost related to SHARE 2020 takes into account the effect of the five-year lock-up period restriction calculated based on the following parameters:

Number of shares issued	780,412
Share price at grant date (€)	67.82
Percentage of discount (%)	25%
Lock-up period (years)	5
Risk free interest rate (%)	-0.49%
Expense recognized in 2020 (in € million)	**2**

Note 6 – Financial assets, liabilities and financial result

6.1 – Financial result

Net financial expense amounted to € 1 million for the period (compared to € 79 million for the first half of 2019) and was composed of a net cost of financial debt of € 21 million and net gain of non-operational financial of € 20 million.

Net cost of financial debt

Net cost of financial debt decreased from € 36 million in the first half of 2019 to € 21 million in the first half of 2020 due to the full reimbursment on November 14, 2019 of $ 1,900 million term loan to fund the Syntel acquisition and the payback in April 2020 of the € 600 million bond issued in July 2015. The average expense rate of the Group was 1.40% on the average gross borrowings compared to 1.63% in the first half of 2019. The average income rate on the average gross cash was 0.69% compared to 1.60% in the first half of 2019.

(In € million)	**6 months ended June 30, 2020**	**6 months ended June 30, 2019**
Net interest expenses	**-20**	**-36**
Gain/(loss) on interest rate hedges of financial debt	-1	-
Net cost of financial debt	**-21**	**-36**

Other financial income and expenses

(In € million)	**6 months ended June 30, 2020**	**6 months ended June 30, 2019**
Foreign exchange income/(expenses)	4	-3
Net gain/(loss) at fair value measurement on derivative liability and underlying Worldline shares	41	-
Interest on lease liability	-14	-14
Other income/(expenses)	-12	-26
Other financial income and expenses	**20**	**-43**
Of which:		
- other financial expenses	-101	-53
- other financial income	121	10

Non-operational financial net gain amounted to € 20 million compared to net cost of € 43 million in the first half of 2019 and were mainy composed of:

- net variance for € +41 million related to the OEB derivative liability and underlying Worldline shares, both at fair value through profit and loss as per IFRS 9;
- pension related interest of € 6 million compared to € 15 million on the first half of 2019. The pension financial cost represented the difference between interest costs on pension obligations and interest income on plan assets;
- lease liability interest (broadly stable compared to € 14 million expenses on the first half of 2019);
- net foreign exchange gain (including hedges) of € 4 million compared to a loss (including hedges) of € 3 million on the first half of 2019.

6.2 – Cash and cash equivalents

(In € million)	**June 30, 2020**	**December 31, 2019**
Cash in hand and short-term bank deposit	3,207	2,363
Money market funds	50	50
Total	**3,257**	**2,413**

Depending on market conditions and short-term cash flow expectations, Atos may from time to time invest in Money Market Funds for a maturity not exceeding three months.

6.3 – Non-current financial assets

(In € million)		**June 30, 2020**	**December 31, 2019**
Pension prepayments	Note 10	229	231
Fair value of non-consolidated investments net of impairment		542	4
Other *		102	116
Total		**873**	**351**

** "Other" includes loans, deposits, guarantees and up-front and underwriting fees related to past acquisitions amortized over the duration of the debt instrument*

During the first half of 2020, the increase of the “Fair value of non-consolidated investments net of impairment” reflected the reclassification of the Worldline’s remaining shares, from Investment in associates into Non-current financial assets for a total amount of € 445 million. This non-current financial asset was henceforth measured at the fair value through profit and loss in the other financial income and expense according to IFRS 9 and led to the recognition of a financial income for a total amount of € 94 million as of June 30, 2020.

6.4 – Change in net debt over the period

Reconciliation of movements of liabilities to cash flows arising from financing activities and the change in Net debt /(cash) position as follows:

(In € million)	Liabilities						Equity				Net Cash & cash equivalents		Change in Net debt/ (cash)
	Bonds	**Optional exchan-geable bond**	**Bank loans and com-mercial papers**	**Securiti-zation**	**Other borrow-ings excl. over-draft**	**Lease liability**	**Common stock**	**Addi-tional paid-in-capital**	**Consoli-dated retained earnings**	**Non control-ling interests**	**Cash & cash equiva-lents**	**Over-draft**	**Total**
At January 1, 2020	**2,700**	**500**	**805**	**10**	**55**	**1,273**	**109**	**1,441**	**2,269**	**12**	**2,413**	**-79**	**1,736**
Capital Increase	-	-	-	-	-	-			-		-	-	-
Common stock issues on the exercise of equity-based compensation	-	-	-	-	-	-			-	-	-	-	-
Purchase and sale of treasury stock	-	-	-	-	-	-	-	-	-45	-	-	-	-
Dividends paid	-	-	-	-	-	-	-	-	-	-	-	-	-
Dividends paid to non-controlling interests	-	-	-	-	-	-	-	-	-	-3	-	-	-
Lease payments	-	-	-	-	-	-172	-	-	-	-	-	-	-
New borrowings			1,036			-	-	-	-	-	-	-	1,036
Repayment of current and non-current borrowings	-600		-590	-	-36	-	-	-	-	-	-	-	-1,226
Net cost of financial debt paid		-		-	-21	-	-	-	-	-	-	-	-21
Other flows related to financing activities				-8		-	-	-	-	-	-	-	-8
Net cash from / (used in) financing activities excluding lease payments and equity related flows	**-600**	**-**	**446**	**-8**	**-57**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-219**
Net cash from / (used in) financing activities	**-600**	**-**	**446**	**-8**	**-57**	**-172**	**-**	**-**	**-45**	**-3**	**-**	**-**	**-**
Net cost of financial debt accrual					21								21
New leases including business combinations	-	-	-	-	-	201	-	-	-	-	-	-	-
Interest on lease liability						14							
Impact of exchange rate fluctuations						-20	-	-	-	-	-67	5	62
Other changes	**-**	**-**	**-**	**-**	**21**	**195**	**-**	**-**	**-**	**-**	**-67**	**5**	**83**
Variance in net cash and cash equivalents	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**912**	**-91**	**-821**
At June 30, 2020	**2,100**	**500**	**1,251**	**2**	**19**	**1,296**	**109**	**1,441**	**2,224**	**9**	**3,257**	**-164**	**779**

(In €million)	June 30, 2020	December 31, 2019
Cash and cash equivalents	3,257	2,413
Overdrafts	-164	-79
Total net cash and cash equivalents	**3,093**	**2,334**

Bank covenant

The Group achieved its borrowing covenant (leverage ratio) applicable to the multi-currency revolving credit facility and the securitization program, with a leverage ratio (net debt divided by OMDA) of 0.56 at the end of June 2020.

According to the credit documentation of the multi-currency revolving credit facility and the securitization program, the leverage ratio is calculated excluding IFRS16 impacts, taking into account 12 months rolling OMDA at the end of June 30, 2020.

The leverage ratio must not be greater than 2.5 times under the terms of the multi-currency revolving credit facility and the securization program.

Note 7 Income tax

The income tax charge includes current and deferred tax expenses. For the purposes of the interim condensed consolidated financial statements, consolidated income tax is determined by applying the estimated effective tax rate for the full year to the "half-year net income before tax". The estimated effective tax rate for the full-year is determined on the basis of forecasted current and deferred tax expense for the year in the light of full-year earnings projections.

The tax charge for the first half of 2020 was € 34 million with a profit before tax of € 361 million. The annualized projected Effective Tax Rate (ETR) was 18.5% (excluding the tax effects of the Worldline transaction that occurred during the period) compared to 18.3% for the first half of 2019. The annualized projected ETR has been computed taking into consideration annual objectives including Covid-19 impacts.

In the context of Covid-19, the Group re-assessed the recoverability of its deferred tax assets based on the new mid-term plan of the Group communicated to the market on June 24, 2020. As a result, no additional allowance has been recorded.

Note 8 – Goodwill

Goodwill is not amortized and is subject to an impairment test performed at least annually by comparing its carrying amount to its recoverable amount at the closing date based on December actuals and latest mid-term plan, or more often whenever events or circumstances indicate that the carrying amount could not be recoverable. Such events and circumstances include but are not limited to:

- significant deviance of economic performance of the asset when compared with budget;
- significant worsening of the asset's economic environment;
- loss of a major client;
- significant increase in interest rates.

(In € million)	December 31, 2019	Assets held for distribution	Impact of business combi-nation	Exchange differences and other	June 30, 2020
Gross value	6,617	-	175	-113	6,678
Impairment loss	-580	-	-	15	-565
Carrying amount	**6,037**	**-**	**175**	**-99**	**6,113**

(In € million)	December 31, 2018	Assets held for distribution	Impact of business combi-nation	Exchange differences and other	December 31, 2019
Gross value	9,431	-3,050	115	122	6,617
Impairment loss	-567	1	-	-13	-580
Carrying amount	**8,863**	**-3,049**	**115**	**109**	**6,037**

The increase of the goodwill carrying amount in the first half of 2020 was related to the acquisitions of Maven Wave and Miner & Kasch.

The Covid-19 pandemic and its consequences are considered as a trigger event for impairment testing under IAS 36. As such, the Group performed procedures to assess the potential need of impairment as of June 30, 2020.

Regional Business Units (RBUs) presenting a large headroom as part of the 2019 impairment test (worst case sensitivity scenario) have not been tested again in June 2020, considering the range was too high to be affected by any Covid-19 effect. A formal impairment test has been performed for other RBUs by updating 2020 figures and taking into consideration the mid-term plan of the Group communicated to the market on June 24, 2020. Discount rates have also been updated. An analysis of the calculation's sensitivity to a combined change in the key parameters (operating margin, discount rate and perpetual growth rate) has been performed and increased to +/- 75 bp for each of these parameters (compared to +/- 50 bp in 2019). Those sensitivity analyses did not highlight any probable scenario where RBUs recoverable amount would fall below its carrying amount. Based on those procedures performed, no additional impairment has been booked in the interim consolidated financial statements of the Group.

Note 9 – Investments in associates accounted for under the equity method

(In € million)	December 31, 2019	Business combination	Disposal	Net results	Exchange differences and other	June 30, 2020
Worldline	1,724	-	-1,281	2	-445	-
Other	3	-	-	1	2	7
Total	**1,727**	**-**	**-1,281**	**3**	**-443**	**7**

(In € million)	December 31, 2018	Business combination	Disposal	Net results	Exchange differences and other	December 31, 2019
Worldline	-	2,732	-1,053	45	-	1,724
Other	7	-	-	2	-6	3
Total	**1,727**	**2,732**	**-1,053**	**47**	**-6**	**1,727**

Atos disposed in February 2020 part of its retained interest over Worldline with a sale of 23.9 million of Worldline shares through an Accelerated Bookbuiling Offering (ABO). This transaction led to a net book value disposed of € 1,281 million in February 2020.

After completion of the transaction (ABO), Atos voting rights over Worldline amounted to 7.36% and 3.82% of interest. The review of the governance led to the conclusion that Atos no longer has a significant influence over Worldline. As such, Worldline is no more considered as an associate according to IAS 28.

The amount of € 445 million in "Exchange differences and other" reflected the reclassification of the retained interest in Worldline shares, from Investment in associates into Non-current financial assets in the Consolidated Statement of Financial Position. This non-current financial asset was henceforth measured at fair value through profit and loss in accordance with IFRS 9.

Note 10 – Pensions plans and other long-term benefits

The remeasurement principle for pension liabilities and assets at interim periods is the following: actuarial remeasurements are only triggered if there are significant impacts on both the obligations and plan assets and limited to the Group's largest pension plans. For less material plans, straightforward actuarial projections are used.

The net total amount recognized in the balance sheet in respect of pension plans is € 1,009 million compared to € 972 million at December 31, 2019.

The Corporate bond interest rate markets for all major zone/countries were particularly volatile this first half of the year due to the Covid-19 crisis, with a peak at the end of March 2020. The discount rate curves have been downward sloping since then, as a consequence of the drop in the sovereign bond rates combined with the reduction in the credit spread. The discount rates at June 30, 2020 have decreased since December 31, 2019, for the UK and the USA, and have remained unchanged in the Eurozone.

	United Kingdom		Eurozone		USA	
	June 30, 2020	**December 31, 2019**	**June 30, 2020**	**December 31, 2019**	**June 30, 2020**	**December 31, 2019**
Discount rate	1.60%	2.10%	0,8% ~ 1,3%	0,8% ~ 1,3%	2.40%	3.00%
Inflation assumption	RPI: 2.80% CPI: 1.80%	RPI: 2.95% CPI: 1.95%	1.45%	1.45%	na	na

The fair value of plan assets for major schemes has been remeasured as at June 30, 2020.

Atos has a relatively small exposure to Equity markets. Hence, the Covid-19 crisis has had a limited impact on the pension plan asset performances in the UK, the USA and Switzerland. The estimated funding ratios in those countries, on a technical basis, do not require any measures of deficit recovery.

The amounts recognized in the balance sheet consist of:

(In € million)	**June 30, 2020**	**December 31, 2019**
Amounts recognized in financial statements consist of :		
Prepaid pension asset	229	231
Accrued liability – pension plans [a]	-1,237	-1,203
Total Pension plan	**-1,009**	**-972**
Accrued liability – other long-term employee benefits [b]	-45	-50
Total accrued liability [a] + [b]	**-1,282**	**-1,252**

The net impact of defined benefits plans on Group profit and loss can be summarized as follows:

(In € million)	**6 months ended June 30, 2020**	**6 months ended June 30, 2019**
Operating margin	-20	-9
Other operating income and expenses	1	1
Financial result	-6	-15
Total (expense)/profit	**-25**	**-23**

Note 11 Provisions

(In € million)	December 31, 2019	Charge	Release used	Release unused	Other (*)	June 30, 2020	Current	Non-current
Reorganization	74	44	-16	-1	-	100	93	6
Rationalization	9	2	-1	-0	-	8	7	1
Project commitments	30	9	-4	-2	-1	32	30	2
Litigations and contingencies	75	5	-1	-6	-12	62	25	37
Total provisions	**188**	**59**	**-22**	**-10**	**-13**	**202**	**156**	**46**

(*) Other movements mainly consist of the currency translation adjustments

Note 12 Shareholders' equity

Potential dilutive instruments comprised vested stock options. Any stock options plan have been vested in 2020.

Earnings per share – Continuing operations

(In € million and shares)	6 months ended June 30, 2020	6 months ended June 30, 2019
Net income from continuing operations– Attributable to owners of the parent [a]	**329**	**180**
Impact of dilutive instruments	-	-
Net income from continuing operations restated of dilutive instruments - Attributable to owners of the parent [b]	**329**	**180**
Average number of shares outstanding [c]	108,780,193	106,980,344
Impact of dilutive instruments [d]	-	8,730
Diluted average number of shares [e]=[c]+[d]	108,780,193	106,989,074
(In €)		
Basic EPS from continuing operations [a] / [c]	**3.02**	**1.68**
Diluted EPS from continuing operations [b] / [e]	**3.02**	**1.68**

Earnings per share – Discontinued operations

(In € million and shares)	6 months ended June 30, 2020	6 months ended June 30, 2019
Net income from discontinued operation - Attributable to owners of the parent [a]	**-**	**3,055**
Impact of dilutive instruments	-	-
Net income from discontinued operation restated of dilutive instruments - Attributable to owners of the parent [b]	**-**	**3,055**
Average number of shares outstanding [c]	108,780,193	106,980,344
Impact of dilutive instruments [d]	-	8,730
Diluted average number of shares [e]=[c]+[d]	108,780,193	106,989,074
(In €)		
Basic EPS from discontinued operation [a] / [c]	**-**	**28.55**
Diluted EPS from discontinued operation [b] / [e]	**-**	**28.55**

Note 13 Approval of interim financial statements

The interim financial statements were approved by the Board of Directors on July 24, 2020.

Note 14 Subsequent events

There is no significant subsequent event to be mentioned.

B.3 Statutory auditors' Review Report on the half-yearly financial information for the period from January 1 to June 30, 2020

This is a free translation into English of the statutory auditors' review report on the half-yearly financial information issued in French and is provided solely for the convenience of English-speaking users. This report includes information relating to the specific verification of information given in the Group's half-yearly management report. This report should be read in conjunction with, and construed in accordance with, French law and professional standards applicable in France.

To the Shareholders,

In compliance with the assignment entrusted to us by the General Meetings and in accordance with the requirements of article L. 451-1-2-III of the French Monetary and Financial Code ("*Code monétaire et financier*"), we hereby report to you on:

- the review of the accompanying interim condensed consolidated financial statements of Atos S.E., for the period from January 1 to June 30, 2020,
- the verification of the information presented in the interim management report.

These interim condensed consolidated financial statements were prepared under the responsibility of the Board of Directors on July 24 2020, on the basis of the information available at that date in the evolving context of the Covid-19 crisis and difficulties in assessing its impact and future prospects. Our role is to express a conclusion on these financial statements based on our review.

I- Conclusion on the financial statements

We conducted our review in accordance with professional standards applicable in France. A review of interim financial information consists of making inquiries, primarily of persons responsible for financial and accounting matters, and applying analytical and other review procedures. A review is substantially less in scope than an audit conducted in accordance with professional standards applicable in France and consequently does not enable us to obtain assurance that we would become aware of all significant matters that might be identified in an audit. Accordingly, we do not express an audit opinion.

Based on our review, nothing has come to our attention that causes us to believe that the accompanying interim condensed consolidated financial statements are not prepared, in all material respects, in accordance with IAS 34 - standard of the IFRSs as adopted by the European Union applicable to interim financial information.

II- Specific verification

We have also verified the information presented in the interim management report established on July 24, 2020 on the interim condensed consolidated financial statements subject to our review.

We have no matters to report as to its fair presentation and consistency with the interim condensed consolidated financial statements.

Paris-La Défense and Neuilly-sur-Seine, July 29, 2020

The Statutory Auditors

French original signed by

Deloitte & Associés	Grant Thornton *Membre français de Grant Thornton International*
Jean-François Viat	Virginie Palethorpe

C. Person responsible

C.1 Person responsible for the amendment to the Universal Registration Document

Elie Girard
Chief Executive Officer

C.2 Statement of the person responsible for the amendment to the Universal Registration Document

I hereby declare that, having taken all reasonable care to ensure that such is the case, the information contained in the amendment to the Universal Registration Document, to the best of my knowledge, in accordance with the facts and contains no omission likely to affect its import.

I hereby declare that, to the best of my knowledge, the half-year condensed financial statements have been prepared in accordance with the applicable accounting standards and give a true and fair view of the assets, liabilities, financial position and results of the Company and all the other companies included in the scope of consolidation, and that the half-year management report here attached presents a fair picture of significant events occurring during the first six months of the year, their impact on the financial statements, the main transactions between related parties as well as a description of the main risks and uncertainties for the remaining six months of the year.

Bezons, July 30, 2020

Elie Girard
Chief Executive Officer

C.3 For the audit

Appointment and term of offices

Statutory auditors
Grant Thornton - Virginie Palethorpe
Appointed on: October 31, 1990, then renewed in October 24, 1995, on May 30, 2002, on June 12, 2008, on May 17, 2014, and on June 16, 2020
Term of office expires: at the end of the AGM voting on the 2025 financial statements
Deloitte & Associés – Jean-François Viat
Appointed on: December 16, 1993, renewed on February 24, 2000, on May 23, 2006, on May 30, 2012, and on May 23, 2018
Term of office expires: at the end of the AGM voting on the 2023 financial statements

D. Corporate governance and additional information

D.1 Office renewals and composition of the Board of Directors

The Company's Annual General Meeting, held on June 16, 2020, approved the proposed ratification of appointments and the renewals of Directors.

In particular, it approved the ratifications of the appointments of Mr. Elie Girard and of Mr. Cedrik Neike. It also renewed the terms of office as Directors of (i) Mr. Cedrik Neike for a period of three years, and (ii) Ms. Valerie Bernis and Ms. Colette Neuville for a period of two years, as well as the term of office of Jean Fleming as Director representing the employee shareholders for two years.

Mr.Nicolas Bazire informed the Board of Directors before the Annual General Meeting that he did not wish to request the renewal of his term of office as Director. The Board of Directors acknowledged this and therefore decided not to submit to the shareholders' vote the related resolution. The terms of office of Mr. Nicolas Bazire therefore expired at the end of the Annual General Meeting.

Before the Annual General Meeting held on June 16, 2020, the Board of Directors was informed by the CFDT, as the most representative trade union among the French companies of the Atos Group, and acknowledged the renewal of Mr. Farès Louis as Employee Director. Pursuant to applicable laws, the term of office of Mr. Farès Louis will expire in 2023, at the end of the General Meeting voting on the 2022 financial statements.

On that basis, the Board of Directors, during its meeting held right after the Annual General Meeting, decided to modify the composition of the Nomination and Remuneration Committee as follows:

- Mr. Bertrand Meunier (Chairman);
- Ms. Jean Fleming; and
- Ms. Colette Neuville.

The composition of the Audit Committee and the CSR committee remains unchanged.

Following these various changes, as of the date of this amendment to the Universal Registration Document, the Board of Directors comprised eleven Directors including seven independent Directors, as follows:

		PERSONAL INFORMATION				EXPERIENCE	POSITION ON THE BOARD				MEMBERSHIP IN COMMITTEES3 (And other office)
		Age	Gender	Nationality	Number of shares	Number of other mandates in listed companies1	Independence	Date of first appointment2	End of term of office	Seniority on Board	
Chairman	**Bertrand MEUNIER**	64	M	French/British	14000	0	YES	02/10/2009	AGM 2021	11	Audit, N&R ★
Chief Executive Officer	**Elie GIRARD**	42	M	French	51632	0	NO	12/16/2019	AGM 2022	0	N/A
Directors (L225-17 Ccom)	**Vivek BADRINATH**	51	M	French	500	1	YES	04/30/2019	AGM 2021	1	Audit
	Valérie BERNIS	61	F	French	505	1	YES	04/15/2015	AGM 2022	4	CSR★
	Cedrik NEIKE	47	M	French/German	500	1	NO	01/28/2020	AGM 2023	0	N/A
	Colette NEUVILLE	83	F	French	1012	0	YES	04/13/2010	AGM 2022	9	N&R
	Aminata NIANE	63	F	Senegalese	1012	0	YES	05/27/2010	AGM 2021	9	Lead Independent Director
	Lynn PAINE	70	F	American	1000	0	YES	05/29/2013	AGM 2021	6	Audit, CSR
	Vernon SANKEY	71	M	British	1296	0	YES	02/10/2009	AGM 2022	11	Audit★, CSR
Director representing the employee shareholders (L225-23 CCom)	**Jean FLEMING**	51	F	Bristish	1496	0	NO	05/26/2009	AGM 2022	10	N&R
Employee Director (L225-27-1CCom)	**Farès LOUIS**	58	M	French	0	0	NO	04/25/2019	AGM 2023	1	N/A

1 Other mandates exercised in listed companies (outside the Atos Group). Mandates exercised in listed companies belonging to the same group account for one single mandate.

2 Date of first appointment on the Board of Directors of Atos

3 N&R : Nomination and Remuneration Committee, Audit : Audit Committee, CSR : CSR Committee

★ Chairman of the Committee

D.2 Annual General Meeting held on June 16, 2020

The Annual General Meeting held on June 16, 2020 approved the resolutions submitted by the Board of Directors. The results of the votes at the Annual General Meeting together with the documentation on the adopted resolutions are available on the Company's website, www.atos.net, Investors section.

In particular, and as part of its usual business, the Annual General Meeting approved the annual and consolidated accounts for the financial year ending December 31, 2019, it being reminded that the Board of Directors had exceptionally decided not to submit the distribution of a dividend to the Annual General Meeting's approval in order to take into account the circumstances related to the Covid-19 epidemic.

The Annual General Meeting also approved in particular the elements making up the compensation and the benefits paid during or awarded for the financial year 2019 to Mr. Bertrand Meunier, Chairman of the Board of Directors and Mr. Elie Girard, for his successive mandates as Deputy Chief Executive Officer and Chief Executive Officer. The Annual General Meeting approved then the compensation policies applicable for 2020 to the Directors, the Chairman of the Board of Directors and the Chief Executive Officer.

The term of office of Grant Thornton as Statutory Auditor was also renewed for six years.

Finally, to take into account the new legislative environment in force, the Annual General Meeting approved all the resolutions aimed at amending the articles of association.

D.3 Executive compensation and stock ownership

D.3.1 Performance shares allocation plan decided on July 24, 2020

Pursuant to the authorization granted by the Annual General Meeting of June 16, 2020 under the 32nd resolution, the Board of Directors of the Company decided, during its meeting held on July 24, 2020, and upon the recommendation of the Nomination and Remuneration Committee, to grant 870,630 performance shares in favor of Atos' first managerial lines, key employees and experts. In that context, the Chief Executive Officer was granted 31,800 performance shares by virtue of the 21st resolution of the Annual General Meeting.

The main features and conditions of this grant of performance shares are as follows:

Presence condition: subject to certain exceptions provided in the plan such as death, disability or retirement of the beneficiary, the grant of performance shares is conditioned on the beneficiary's remaining within Atos' group as an employee or corporate officer during the vesting period.

Performance condition: the vesting of all or part of the performance shares shall be subject to the achievement over a three-year period of three internal financial performance indicators and two performance conditions, one external and one internal, related to the corporate social responsibility ("CSR"), referring to the Dow Jones Sustainability Index ("DJSI") (World or Europe) and the reduction of the CO_2 emissions, respectively.

The four internal performance indicators chosen are directly connected to key success factors for the achievement of the Group's ambitions and include three financial indicators and one CSR indicator:

(i) Organic Revenue growth conditioning 30% of the grant;

(ii) Operating Margin conditioning 25% of the grant;

(iii) Free Cash Flow conditioning 25% of the grant, and

(iv) The decrease in CO_2 emissions conditioning 10% of the grant.

The financial indicators will be calculated on a consolidated basis, taking into account potential scope variations and changes in the foreign exchange rates.

Their target achievement levels were determined in line with the mid-term objectives set by the Board of Directors, under the assumption, for the financial indicators, of a return to a normal economic activity by mid-2021 taking into account the repercussions of the Covid-19 pandemic.

The external performance condition linked to CSR, referring to the Dow Jones Sustainability Index ("DJSI") (World or Europe) conditions 10% of the grant. The target achievement is based on the average of the scores achieved by the Atos group during the vesting period, based on the average percentile ranking achieved by the Company resulting from the comparison with the other companies included in the DJSI index in relation to the three years.

Elasticity curves accelerate upwards and downwards the percentage of the grant related to each performance indicator according to its level of achievement over the 3-year period. The final number of vested performance shares shall shall not under any circumstances exceed the number initially granted.

Obligations specific to the executive officers:

The Chief Executive Officer is required to remain owner of 15% of the acquired shares for the duration of his duties.

The Chief Executive Officer acknowledged the prohibition set by the Company to enter into hedging transactions over the granted shares for the duration of his corporate mandate as Executive Officer and formally undertook to abide by the prohibition.

D.3.2 Revision of the performance conditions for the performance share plans dated July 22, 2018 and July 24, 2019

Given the unprecedent circumstances due to the Covid-19 crisis, the Board of Directors, during its meeting held on July 24, 2020, decided upon the recommendation of the Nomination and Remuneration Committee, to revise the financial targets for the performance share plans granted in 2018 and 2019, respectively.

Regarding the performance share plan dated July 22, 2018, the Board of Directors decided upon the recommendation of the Nomination and Remuneration Committee, to reconcile the 2020 financial indicators targets with the revised objectives for 2020 as announced by the Company.

Regarding the performance share plan dated July 24, 2019, the Board of Directors decided upon the recommendation of the Nomination and Remuneration Committee, to align the target achievement levels of the financial indicators with the mid-term objectives set by the Board of Directors, under the assumption of a return to a normal economic activity by mid-2021 taking into account the repercussions of the Covid-19 pandemic.

D.3.3 Performance shares that have become available since January 1, 2020 for the Executive Officers – AMF Table 7

Since January 1, 2020, no performance shares have become available to Executive Officers. However, the performance shares granted on July 25, 2017 will become available on July 31, 2020. The Chef Executive Officer is part of the beneficiaries of this plan. Terms and conditions regarding share acquisition and availability are described in the 2019 Universal Registration Document in section G.3.3.1.

AMF Table 7	Plan Date	Number of shares available during the financial year	Vesting Date	Availability Date
Chef Executive Officer	July 25, 2017	12,766	July 31, 2020	July 31, 2020

D.3.4 Subscription or purchase options exercised since January 1, 2020 by Executive Officers – AMF Table 5

The Chef Executive Officer did not receive stock-options prior to the grant dated July 24, 2019 (under vesting).

D.4 Common Stock Evolution

D.4.1 Basic data

D.4.1.1 Information on stock

The Company's shares have been admitted to trading on the Euronext Paris regulated market (Compartment A) since 1995, under ISIN code FR0000051732. Atos SE shares are eligible for SRD and PEA. The Company’s shares have been included in the CAC 40, the main share index published by Euronext Paris, since March 20, 2017.

The main tickers are:

Source	Tickers
Euronext	ATO
AFP	ATO
Bloomberg	ATO FP
Reuters	ATOS PA
Thomson	ATO FR

The Euronext sector classification is as follows:

Euronext: ICB sectorial classifications
Industry: 9000, Technology
Supersector: 9500, Technology
Sector: 9530, Software and Computer Services
Subsector: 9533, Computer Services

D.4.1.2 Free-float

The free-float of the Group shares excludes stakes held by the reference shareholder, Siemens Pension-Trust e.V., holding 12,483,153 shares of the Company which it committed to keep until September 30, 2020.

Stakes owned by the employees and the members of the Board of Directors as well as treasury shares, are also excluded from the free float.

As of June 30, 2020	Shares	% of share capital	% of voting rights
Siemens Pension-Trust e.V.[1]	12,483,153	11.4%	11.5%
Employees	1,435,511	1.3%	1.3%
Board of Directors	72,953	0.1%	0.1%
Treasury stock	699,738	0.6%	-
Free float	94,523,559	86.5%	87.1%
Total	**109,214,914**	**100.0%**	**100.0%**

[1] Siemens Pension-Trust e.V. is controlled by Siemens A.G.

D.4.2 Dividend

Considering the Covid-19 crisis, Atos intended to act responsibly and spread the efforts requested across all its stakeholders. As a result, the Board of Directors decided on April 21, 2020 to withdraw its proposal to pay a dividend and therefore the related option to receive the dividend in shares at the Annual General Meeting held on June 16, 2020.

During the past three fiscal periods, Atos SE paid the following dividends:

Fiscal period	Amount of the dividend
Payment for 2019	N/A
Dividend 2018 (paid in 2019)	1.70 €
Dividend 2017 (paid in 2018)	1.70 €

D.4.3 Common stock

D.4.3.1 Common stock as at June 30, 2020

As at June 30, 2020, the Company's issued common stock amounted to € 109,214,914 divided into 109,214,914 fully paid-up shares of € 1.00 par value each.

Since December 31, 2019, the share capital has remained unchanged and was not subject to any variation.

As announced on June 2, 2020, the share capital will be increased on July 31, 2020 by the issuance of new shares resulting from the implementation of an employee shareholding plan (Share 2020).

D.4.3.2 Thresholds crossings

The Group has not been informed of any statutory thresholds crossings for the period between January 1, 2020 to June 30, 2020.

D.4.3.3 Treasury stock

Legal Framework

The 22nd resolution of the Annual General Meeting of June 16, 2020 renewed in favor of the Board of Directors, the authorization to trade in the Group's shares, in connection with the implementation of a share buyback program.

These purchases may be carried out:

- to ensure liquidity and an active market of the Company's shares through an investment services provider acting independently in the context of a liquidity contract, in accordance with the professional conduct charter accepted by the AMF;
- to attribute or sell these shares to the executive officers and Directors or to the employees of the Company and/or to the current or future affiliated companies, under the conditions and according to the terms set or accepted by applicable legal and regulatory provisions in particular in connection with (i) profit-sharing plans, (ii) the share purchase option regime laid down under articles L. 225-177 *et seq.* of the Commercial Code, and (iii) free awards of shares in particular under the framework set by articles L. 225-197-1 *et seq*. of the Commercial Code and (iv) French or foreign law shareholding plans, in particular in the context of a company savings plan, as well as to carry out all hedging operations relating to these operations, under the terms and conditions set by market authorities and at such times as the Board of Directors or the person acting upon its delegation so decides;
- to remit the shares acquired upon the exercise of the rights attached to securities giving the right, whether immediate or deferred, by reimbursement, conversion, exchange, presentation of a warrant or any other way, to the attribution of shares of the Company, as well as to carry out all hedging operations relating to the issuance of such securities, under the conditions set by market authorities and at such times as the Board of Directors or the person acting upon its delegation so decides;
- to keep them and subsequently use them in payment or exchange or other in the context of potential external growth operations; or

- to cancel them as a whole or in part through a reduction of the share capital authorized by the General Meeting, in particular pursuant to the 23rd resolution of the Annual General Meeting held on June 16, 2020.

This authorization shall be used at any time except during public offers on the shares of the Company.

The purchase of shares shall not exceed, at any time, a maximum number of shares representing 10% of the share capital of the Company, at any time, this percentage being applied to a share capital figure adjusted to reflect transactions affecting the share capital subsequent to the 2020 Annual General Meeting, it being specified that where the shares are repurchased in the context of a liquidity contract, the number of shares taken into account in calculating the 10% limit will be the number of shares purchased minus the number of shares resold during the period of the authorization.

Acquisitions, sales and transfers or exchange of shares may be made by any means, subject to the limits authorized by the laws and regulations in force, on one or several occasion, on a regulated market or via a multilateral trading facility or a systematic internalizer or over the counter, including by public tender offering or by block purchases or sales (with no limit on the portion of the share repurchase program), and where required, by derivative financial instrument (traded on a regulated market or a multilateral trading facility via a systematic internalizer or over the counter) or by warrants or securities giving access to Company shares, or the implementation of optional strategies such as purchases or sales of purchase or sale options, or by the issuance of securities giving access to the Company's capital by conversion, exchange, redemption, exercise of a warrant or any other means to Company shares held by this latter party, and when the Board of Directors or the person acting on the Board of Directors' authority, under conditions laid down in the law, decides in compliance with the relevant legal and regulatory provisions.

The maximum purchase price per share may not exceed € 120 (fees excluded).

The Board of Directors may adjust the aforementioned maximum purchase price in the event of incorporation of premiums, reserves or profits, giving rise either to an increase in the nominal value of the shares or to the creation and the free allocation of shares, as well as in the event of division of the nominal value of the share or share consolidation or any other transaction on equity, so as to take account of the impact of such transactions on the value of the shares.

As a result, the maximum amount of funds assigned to the share buyback program amounts to € 1,310,578,968 as calculated on the basis of the share capital as at December 31, 2019, this maximum amount may be adjusted to take into account the amount of the capital on the day of the General Meeting.

This authorization was granted for a period of eighteen (18) months as from June 16, 2020.

Treasury Stock

As at June 30, 2020, the Company owned 699,738 shares which amounted to 0.6% of the share capital with a portfolio value of € 53,110,114.20, based on June 30, 2020 market price, and with book value of € 47,851,310.23. These shares are assigned to the allocation of shares to employees or executive officers and Directors of the Company or its group, and correspond to the hedging of its undertakings under the LTI plans.

The Company proceeded to the purchase of 215,000 shares from March 23, 2020 to March 24, 2020 and of 445,000 shares from June 24, 2020 to June 30, 2020 as part of a mandate given to a financial intermediary as announced by the Group respectively on March 23, 2020 and on June 24, 2020.

From January 1, 2020 to June 30, 2020 the Company transferred 542,466 shares of the Company to beneficiaries of LTI plans.

D.4.3.4 Potential common stock

Potential dilution

Based on 109,214,914 outstanding shares as of June 30, 2020, the share capital of the Group could be increased by 2,531,677 new shares, representing 2.32% of the share stock before dilution. This dilution could come from the exercise of stock subscription options granted to employees or from the acquisition of performance shares, as follows:

(in shares)	June 30, 2020	December 31, 2019	Change	% dilution
Number of shares outstanding	**109,214,914**	**109,214,914**	**0**	
From stock subscription options	168,900	168,900	**0**	0.15%
From performance shares	2,362,777	2,857,280	**-494,503**	2.16%
Potential dilution	**2,531,677**	**3,026,180**	**-494,503**	**2.32%**
Total potential common stock	**111,746,591**	**112,241,094**	**-494,503**	

Stock options evolution

Number of stock subscription options at December 31, 2019	**168,900**
Stock subscription options granted as of June 30th 2020	-
Stock subscription options exercised as of June 30th 2020	-
Stock subscription canceled or forfeited as of June 30th 2020	-
Number of stock subscription options at June 30, 2020	**168,900**

As of June 30th, 2020, no stock options granted by the Group are exercisable, the total of stock options are vesting and will be exercisable as from July 24th, 2022.

Current authorizations to issue shares and other securities

Pursuant to the resolutions adopted by the General Meeting of April 30, 2019 and June 16, 2020, the following authorizations to modify the share capital, and to issue shares and other securities are in force as of July 24, 2020:

Authorization	Authorization amount (value)	Use of the authorizations (par value)	Unused balance (par value)	Authorization expiration date
EGM June 16, 2020 22nd resolution Authorization to buyback the Company shares	10% of the share capital adjusted at any moment	445,000[1]	9.59%	12/16/2021 (18 months)
EGM June 16, 2020 23rd resolution Share capital decrease	10% of the share capital adjusted as at the day of the decrease	0	10% of the share capital adjusted as at the day of the decrease	08/16/2022 (26 months)
EGM June 16, 2020 24th resolution Share capital increase with preferential subscription right	32,764,474	0	32,764,474	08/16/2022 (26 months)
EGM June 16, 2020 25th resolution Share capital increase without preferential subscription right by public offer [2] [3]	10,921,491	0	10,921,491	08/16/2022 (26 months)
EGM June 16, 2020 26th resolution Share capital increase without preferential subscription right by private placement [2] [3]	10,921,491	0	10,921,491	08/16/2022 (26 months)
EGM June 16, 2020 27th resolution Share capital increase without preferential subscription right to remunerate contribution in kind [2] [3]	10,921,491	0	10,921,491	08/16/2022 (26 months)
EGM June 16, 2020 28th resolution Increase in the number of securities in case of share capital increase with or without preferential subscription right [2] [3] [4]	Extension by 15% maximum of the initial issuance	0	Extension by 15% maximum of the initial issuance	08/16/2022 (26 months)
EGM June 16, 2020 29th resolution Share capital increase through incorporation of premiums, reserves, benefits or other	5,111 million	0	5,111 million	08/16/2022 (26 months)
EGM June 16, 2020 30th resolution Capital increase reserved to employees[2]	2,184,298	0	2,184,298	08/16/2022 (26 months)
EGM June 16, 2020 31st resolution Capital increase reserved to operations reserved to employees in certain countries through equivalent and complementary framework[2]	218,429	0	218,429	08/16/2022 (26 months)
EGM June 16, 2020 32nd resolution Authorization to allot free shares to employees and executive officers	982,934	870,630	112,304	08/16/2023 (38 months)
EGM April 30, 2019 22nd resolution Authorization to grant stock options to employees and executive officers	214,315	209,200 [5]	5,115	06/30/2021 (26 months)

1 The purchase of 215,000 shares carried out from March 23, 2020 to March 24, 2020 is not included as it deducted from the amount authorized under the 18 th resolution of the Combined General Meeting of April 30, 2020.

2 Any share capital increase pursuant to the 25th, 26th, 27th, 28th , 30th and 31st resolutions of the Combined General Meeting of June 16, 2020 shall be deducted from the cap set by the 24th resolution of the Combined General Meeting of June 16, 2020.

3 The share capital increases without preferential subscription right carried out pursuant to the 25th, 26th, 27th and 28th resolutions of the Combined General Meeting of June 16, 2020 are subject to an aggregate sub-cap corresponding to 10% of the share capital of the Company on the day of the Combined General Meeting of June 16, 2020 (i.e. € 10,921,491). Any share capital increase pursuant to these resolutions shall be deducted from this aggregate sub-cap.

4 The additional issuance shall be deducted from (i) the cap of the resolution pursuant to which the initial issuance was decided, (ii) the aggregate cap set by the 24th resolution of the Combined General Meeting of June 16, 2020, and (iii) in case of share capital increase without preferential subscription rights, the amount of the sub-cap mentioned at 3 here above.

5 including 40,300 cancelled stock-options

The number of new authorized shares that may be issued pursuant to the above-mentioned delegation of authority (the 28th and 29th resolutions of the Annual General Meeting of June 16, 2020 being set aside) amounts to 33,961,724, representing 31.10% of the share capital updated on June 30, 2020

E. Appendices

E.1 Contacts

Institutional investors, financial analysts and individual shareholders may obtain information from:

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E.2 Financial calendar

October 22, 2020 Third quarter 2020 revenue

E.3 Amendment to the 2019 Universal Registration Document cross-reference table

The cross-reference table below identifies the information required by appendices 1 and 2 of the Commission Delegated Regulation (EU) 2019/980 of March 14, 2019 in accordance with the structure of the Universal Registration Document and allows to cross-reference them with the sections of the 2019 Universal Registration Document incorporated by reference in this amendment to the 2019 Universal Registration Document.

N°	**Appendices 1 and 2 of the commission delegated regulation (EU) 2019/980 of March 14, 2019**	**Sections in the 2019 Universal Registration Document**	**Amendment to the 2019 Universal Registration Document**
1.	**Persons responsible, third party information, experts' reports and competent authority approval**		
1.1.	Indication of persons responsible	A.4.1	C.1
1.2.	Declaration by persons responsible	A.4.2	C.2
1.3.	Name, address, qualification and material interest in the issuer of experts	N/A	N/A
1.4.	Confirmation of the accuracy of the source from a third party	N/A	N/A
1.5.	Statement from the designated authority with no prior approval	N/A	N/A
2.	**Statutory auditors**		
2.1.	Names and addresses of the auditors	A.4.3	C.3
2.2.	Indication of the removal or resignation of auditors Information regarding changes of statutory auditors during the period	N/A	N/A
3.	**Risk Factors**	**F.2**	**A.7**
4.	**Information about the issuer**		
4.1.	The legal and commercial name of the issuer	G.1.2	N/A
4.2.	The place and the number of registration	G.1.2	N/A

N°	Appendices 1 and 2 of the commission delegated regulation (EU) 2019/980 of March 14, 2019	Sections in the 2019 Universal Registration Document	Amendment to the 2019 Universal Registration Document
4.3.	The date of incorporation and the length of life of the issuer	G.1.2	N/A
4.4.	The domicile and legal form of the issuer, the legislation under which the issuer operates, its country of incorporation, and the address and telephone number of its registered office	G.1.2; I.1.1	N/A
5.	**Business overview**		
5.1.	Principal Activities		
5.1.1.	Nature of the issuer's operations and its principal activities	A.1; A.2; B.1; C	N/A
5.1.2.	New products or services developed	C	N/A
5.2.	Principal market	A.1; A.2; B.3	N/A
5.3.	Importants business events	A.5.2; A.6.1; G.4.8.5	A.3
5.4.	Strategy and objectives	B.4; E.2	A.2; A.6
5.5.	Dependence on patents or licenses, industrial, commercial or financial contracts or new manufacturing processes	F.2.4.2; F.3.4.2	N/A
5.6.	Basis for statements made by the issuer regarding its competitive position	B.3	N/A
5.7.	Investments		
5.7.1.	Main investments	B.1.2; E.4.7.5 – Note 1	B.2.6.4 – Note 1
5.7.2.	Material investments of the issuer that are in progress or for which firm commitments have already been made, including the geographic distribution of these investments and the method of financing	N/A	N/A
5.7.3.	Main joint ventures and undertakings in which the issuer holds a proportion of the capital	N/A	N/A
5.7.4.	Environmental issues	D.5	N/A
6.	**Organizational Structure**		
6.1.	Brief description of the Group	A.1 ; A.2 ; A.6.2	A.4
6.2.	List of significant subsidiaries	E.4.7.5 – Note 17	N/A
7.	**Operating and financial review**		
7.1.	Financial condition		
7.1.1.	Balanced and comprehensive analysis of development and performance or position including both financial and, where appropriate, non-financial Key Performance Indicators	E.1; E.3; E.4	A.5
7.1.2.	Likely future development in the field of research and development	C.5	N/A
7.2.	Operating Results	E.1; E.3; E.4	A.5; B.1; B.2
7.2.1.	Unusual or unfrequent events or new developments materially affecting the issuer's income	B; C; E.1; G.4.8.5	A.1; A.5
7.2.2.	Narrative discussion about material changes in net sales or revenues	B; C; E.1	A.1; A.5
8.	**Capital resources**		
8.1.	Issuer's capital resources	E.4; G.4	B.2 ; D.4
8.2.	Sources and amounts of the issuer's cash flows	E.4.5	B.1.2
8.3.	Information on the borrowing requirements and funding structure	E.3.3.1	B.1.3
8.4.	Restrictions on the use of capital resources	N/A	N/A
8.5.	Anticipated sources of funds to fulfill commitments	N/A	N/A
9	**Regulatory environment**		
9.1.	Information regarding any governmental, economic, fiscal, monetary or political policies or factors that have materially affected, or could materially affect, directly or indirectly, the issuer's operations	D.1; D.4	A.1
10.	**Trend information**		
10.1.	The most significant recent trends in production, sales and inventory, and costs and selling prices since the end of the last financial year	B; C; E.1	A.5
10.2.	Known trends, uncertainties, demands, commitments or events that are reasonably likely to have a material effect on the issuer's prospects	B; C; E.1	A.1; A.5
11.	**Profit forecasts or estimates**		
11.1.	Profit forceasts or estimates publication	E.2; E.3	A.2; A.6; B.1
11.2.	Statement setting out the principal assumptions upon which the issuer has based his forecast or estimate	E.2; E.3	A.2; A.6; B.1
11.3.	Statement pointing out the comparaison with historial financial information consistent with the issuer's accounting policies	E.4.7.2	B.2.6.1, B.2.6.2
12.	**Administrative, management and supervisory body and senior**		

N°	Appendices 1 and 2 of the commission delegated regulation (EU) 2019/980 of March 14, 2019	Sections in the 2019 Universal Registration Document	Amendment to the 2019 Universal Registration Document
	management.		
12.1	Information regarding the members		
	Name, business addresses and functions	A.6.2; G.2.3	A.4
	Detail of the nature of any family relationship	G.2.3	N/A
	Relevant management expertise and management experience	G.2.3	N/A
	Details of any convictions	G.2.3.8	N/A
12.2	Conflicts of interest	G.2.3.9	N/A
13.	**Remuneration and Benefits**		
13.1.	Remuneration and benefits in kind	G.3	D.3
13.2.	Pension, retirement or similar benefits	G.3	D.3
14.	**Board Practices**		
14.1.	Current term office	G.2.3	D.1
14.2.	Contracts providing benefits upon termination of employment	G.2.3.9	N/A
14.3.	Information about Audit and Remuneration Committee	G.2.4.3; G.2.4.4	N/A
14.4.	Statement related to corporate governance	G.2.1	N/A
14.5.	Potential material impacts on the corporate governance	G.2.2	N/A
15.	**Employees**		
15.1.	Number of employees	D.2; E.1.6	A.5.6
15.2.	Shareholdings and stock options	G.3	D.3
15.3.	Arrangements involving the employees in the capital of the issuer	D.2.4.2	N/A
16.	**Major shareholders**		
16.1.	Identification of the main shareholders holding more than 5%	E.5.4 - Note 6; G.4.7.3	D.4.1.2 ; D.4.3.2
16.2.	Types of voting rights	G.4.7.4	N/A
16.3.	Ownership and control	G.4.1; G.4.2; G.4.7	D.4.1 ; D.4.3
16.4.	Arrangements which may result in a change in control of the issuer	G.1	N/A
17.	**Related party transactions**	**E.4.7.5 - Note 16; E.5.4 - Note 18**	**A.9**
18.	**Financial Information concerning the issuer's assets and liabilities, financial position and profits and losses**		
18.1.	Historical Financial Information		
18.1.1.	Audited historical financial information covering the latest three years	E.4; H.2.2	B.2
18.1.2.	Change of accounting reference date	N/A	N/A
18.1.3.	Accounting standards	E.4.7.2	B.2.6
18.1.4.	Change of accounting framework	E.4.7.2	B.2.6
18.1.5.	Financial information according to French accounting standards	E.4	B.2
18.1.6.	Consolidated financial statements	E.4	B.2
18.1.7.	Age of latest financial information	E.4	B.2
18.2.	Interim and other financial information		
18.2.1.	Quarterly or half-yearly financial information	N/A	B.2
18.3.	Auditing of historical annual financial information		
18.3.1.	Independent audit of historical annual financial information	E.4.1	B.3
18.3.2.	Indication of other information in the registration document that has been audited by auditors	N/A	N/A
18.3.3.	Source of information and reason for information not to be audited	N/A	N/A
18.4.	Pro forma financial information	E.1	A.5
18.5.	Dividend policy		
18.5.1.	Description of the issuer's policy on dividends	G.4.3	D.4.2
18.5.2.	Amount of dividend per share	G.4.3	D.4.2
18.6.	Legal and arbitration proceedings	F.4	A.8
18.7.	Significant changes in the issuer's financial position	E.4.7.5 – Note 18	B.2.6.4 – Note 14
19.	**Additional information**		
19.1.	Share Capital		
19.1.1.	Amount of issued capital	G.4.7	D.4.3
19.1.2.	Shares not representing capital	N/A	N/A
19.1.3.	Shares held by or on behalf of the issuer itself	G.4.7	D.4.3
19.1.4.	Convertible securities, exchangeable securities or securities with warrants	G.4.7	D.4.3
19.1.5.	Information about and terms of any acquisition righ.s and or obligations over authorized but unissued capital or an undertaking to increase the capital	N/A	N/A
19.1.6.	Information about any capital of any member of the Group which is under option or agreed conditionally or unconditionally to be put under option and details of such options including those persons to whom such options relate	N/A	N/A
19.1.7.	History of share capital	G.4.7	N/A
19.2.	Memorandum and Articles of Association		

N°	Appendices 1 and 2 of the commission delegated regulation (EU) 2019/980 of March 14, 2019	Sections in the 2019 Universal Registration Document	Amendment to the 2019 Universal Registration Document
19.2.1.	Register and entry number of the issuer and brief description of the issuer's object and purposes	G.1.2	-
19.2.2.	Rights, preferences and restrictions attached to each share category	G.1.3.2	-
19.2.3.	Article of association, statutes, charter or bylaws delaying, deferring or preventing a change of control of the issuer	G.1	-
20.	**Material Contracts**	**E.1.5**	**A.5.5**
21.	**Documents on Display**	**G.1; G.4.4**	**E.1**

E.4 Cross-reference table for the Half-Yearly Financial Report

In order to facilitate the reading of this document, the cross-reference table hereafter, identifies within this Amendment to the 2019 Universal Registration Document the information which constitutes the Interim Financial Report requested to be published by listed companies in accordance with article L. 451-1-2 of the French Monetary and Financial Code and article 222–4 of the AMF General Regulations.

Information	Sections
Consolidated half-yearly financial statements	B.2
First half-year management report	A.1, A.3, A.5, A.7, A.9, B.1
Declaration of the person responsible for the Amendment to the 2019 Universal Registration Document	C.2
Statutory auditors' report on the consolidated half-yearly financial statements	B.3

In accordance with the requirements of article 19 of regulation (EU) 2017/1129 (Prospective Regulation) are incorporated by reference the consolidated half-yearly financial statements as of June 30, 2019 under IFRS, the related statutory auditors' reports and the Group management report presented within the 2018 Universal Registration Document n° D.19-0728 filed with the AMF on July 30, 2019. Other information included in the 2018 Universal Registration Document has been replaced and/or updated, as applicable, by the information contained in this Universal Registration Document.

E.5 Full index