

# RACE FOR BETTER FUTURES

*FORMULA*e

**Season 8**

SUSTAINABILITY REPORT 2022

# TABLE OF CONTENTS

<b>1. ABOUT THE ABB FIA FORMULA E WORLD CHAMPIONSHIP AND SEASON 8</b>	<b>3</b>	<b>6.3 Social progress</b>	<b>29</b>
<b>2. STATEMENT BY CEO JAMIE REIGLE</b>	<b>4</b>	UNICEF	
<b>3. GOVERNANCE</b>	<b>5</b>	Key highlights summary // Community Engagement	
<b>4. SNAPSHOT</b>	<b>6</b>	Race highlights	
<b>5. KEY ACHIEVEMENTS</b>	<b>7</b>	Key projects	
<b>6. SUSTAINABILITY STRATEGY</b>	<b>8</b>	Social benefits of Net Zero Carbon local projects	
<b>6.1 Innovation and Leadership</b>	<b>9</b>	<b>6.4 Creating value through values</b>	<b>38</b>
COP27		Race to Road	
GEN3		Climate Champion Award	
GSBS ESG Results		ABB drivers of progress	
UNFCCC		Mahindra beach clean up	
ISO 20121		DHL partnership	
FIA Environmental Accreditation Programme		Rokit Venturi Racing – Diversity, Equity and Inclusion	
GEN 2			
RE 100 and EV100 / TCG			
Prince Albert of Monaco Foundation & SandSI			
<b>6.2 Environmental Excellence</b>	<b>19</b>	<b>7. GRI INDEX</b>	<b>45</b>
Carbon Management: Measure			
Carbon Management: Reduce			
Carbon Management: Footprint (reduce)			
Carbon Management: Offset			
Case Study			
United Nations Environment Programme (UNEP)			

# /1

## ABOUT THE ABB FIA FORMULA E WORLD CHAMPIONSHIP AND SEASON 8

The ABB FIA Formula E World Championship is the only all-electric World Championship certified by the Fédération Internationale de l'Automobile (FIA) and the fastest growing motorsport series on the planet.

Showcasing the very latest in sustainable mobility technology, we have now completed eight seasons of racing in the centre of some of the world's most iconic cities.

Featuring a collective of world-class automotive manufacturers, iconic brands and drivers of the highest skill level, the Season 8 on-track action resembled its pre-COVID force and left fans in more cities than ever gripped with excitement. Our commitment to accelerating positive change and our "Change. Accelerated." platform was only strengthened during Season 8 with the opportunity to engage new communities, partner with new organisations and raise awareness about cleaner technologies.

As an organisation based on a commitment to sustainability and environmental stewardship, we worked to ensure Season 8 built upon that commitment and laid the foundation for further progress in Season 9.

In 2023, the ABB FIA Formula E World Championship will head to new race locations and share its mission with more people around the globe. Season 9 promises to deliver ever-more competitive motor racing, top tier drivers pushed to their limits and a powerful drive to operate within our planet's environmental limits.

The race for a better, cleaner future awaits.

# STATEMENT BY CEO JAMIE REIGLE

2022, Season 8 of the ABB FIA Formula E World Championship, was our biggest season yet with 16 rounds of racing across four continents. Two exciting new venues in Jakarta and Seoul, joined a calendar spanning London to New York, Rome and Monaco, and resulted in the championship extending its reach further than ever before. Overall we built a cumulative global audience of 381m and total viewing hours of 98m, representing a 20% and 58% increase vs 2021 respectively.

2022 also marked a year of solid progress (and significant investment) in critical sustainability projects.

Back in 2020 we were recognised as the first sport in history to be Net Zero Carbon from inception. In 2021 we took the next step by committing to science-based targets, requiring us to deliver an absolute reduction in our carbon emissions of 45% versus a baseline of our Season 5 output by 2030. In Season 8 we continued to deliver against our Net Zero Carbon requirements by continually measuring and reducing all our emissions, and finally offsetting a remaining 33,800 t CO<sub>2</sub>eq. We did this by investing in the Piedra Large Wind Farm II in Mexico.

This project contributes to the UN Sustainable Development Goals through job creation and significant renewable energy generation.

2022 was also the second year of our global partnership with UNICEF where Formula E is a founding member of UNICEF's Safe and Healthy Environment (SHE) Fund. Funding from Formula E contributes to programmes and policy actions to create sustainable, safe and clean environments for children, improving the wellbeing of over three million children over a three-year period. Projects supported by the SHE Fund include initiatives to provide schools with sustainable energy solutions and reduce child exposure to air pollution through increased monitoring and advocacy. In 2022 this included a project to deliver nine rainwater harvesting systems that provide clean drinking water to almost 8,000 school children in Mexico. In addition, directly through our funding we've supported nearly 700,000 children to become powerful advocates for climate change across 75 countries.

In July we launched a powerful video campaign 'Take a Breath' with Hollywood actor and UNICEF Ambassador, Tom Hiddleston. In his own words, "Air is life and must be protected for our children. A global generation of children will grow up in a world made more dangerous and uncertain because of our changing climate. Formula E and UNICEF have come together to create 'Take a Breath', a short film that aims to raise awareness and highlight the importance of clean air, in order to make a better, safer world for every child." The campaign has so far reached more than 67 million people worldwide.

FIA Girls on Track is a flagship programme in our drive to increase the number of females building a career in motorsport and engineering. In 2022 we welcomed 450 girls to our racetracks for one-day immersive experiences, adding to the 1,350 girls that have been part of the programme since its inception in 2018. In 2023 we're looking forward to delivering this programme in Mexico City, Diriyah, São Paulo and Jakarta and we will be expanding activities away from the track, including virtual sessions for an international audience.

# STATEMENT BY CEO JAMIE REIGLE

In April, in Monaco, we unveiled our Gen3 car which will debut in Season 9, 2023. It is the world's first race car designed and optimised specifically for street racing and is the pinnacle of high performance, efficiency and sustainability. Designed to show the world that high performance and sustainability can powerfully co-exist without compromise, the Gen3 pioneers cutting-edge technologies that will make the transfer from race to road. Sustainability-driven innovation has been central to the design and production of the Gen3. Three examples include;

The batteries - among the most advanced and sustainable ever made, consisting of sustainably sourced minerals while the cells will be reused and recycled at end of life.

The bodywork - linen and recycled carbon fibre are used in bodywork construction for the first time in a formula car, featuring recycled carbon fibre from retired Gen2 cars and reducing the overall amount of virgin carbon fibre used.

The tyres - natural rubber and recycled fibres will make up 26% of new Gen3 tyres and all tyres will be fully recycled after racing.

Naturally the carbon footprint of the Gen3 has been measured from the beginning of the design phase to inform all reduction measures taken to reduce environmental impact, while all unavoidable emissions will be offset as part of Formula E's net zero carbon commitment.

In November, Formula E was the only global sports championship represented at COP27, taking part in UNFCCC sessions alongside the Envision Racing Formula E Team, the Fédération Internationale de l'Automobile (FIA), UNICEF panel and delivering a keynote in the Innovation Zone. Focused on leveraging sport as a platform for change, how motorsport can deliver sustainable innovation and the importance of social sustainability, we continue to show our leading position on the world stage.

Finally, in December we were honoured to be recognised by the Global Sustainability Benchmark in Sports, an independent, global not-for-profit organisation, which analyses and benchmarks the sustainability performance of professional sports organisations through science-driven and data-based research.

We're proud of the progress we've made in 2022 but it's a race with no finish line. I look forward to the journey ahead and sharing future progress with you.

*Jamie Reigle*  
CEO, Formula E

Sustainability is at the heart of Formula E, and a strong governance structure is needed to deliver the Championship's founding purpose of creating better futures through racing.

Learn more about our [Sustainable Development policy](#)

## BOARD LEVEL

### THE BOARD

The Board has ultimate responsibility for decision-making related to sustainability at Formula E. The Board comprises eight Non-Executive members.

## DIVISION AND FUNCTION

### CHIEF OF STAFF

Hannah Brown is responsible for leading and reviewing Formula E's strategic approach, activities, policies, reporting, management systems and community and charitable impacts (among other duties) with support from the Sustainability Director. Hannah Brown reports directly to the Chief Executive Officer, who is accountable to the Board.

## OPERATIONS

### SUSTAINABILITY TEAM

The team is responsible for setting the tone for sustainability across the business and executing on the strategic approach, which includes the delivery of events in a sustainable manner, leaving positive impacts and a lasting legacy in the communities that host races and raising global awareness of the benefits of electric vehicles.

### LOCAL TEAMS

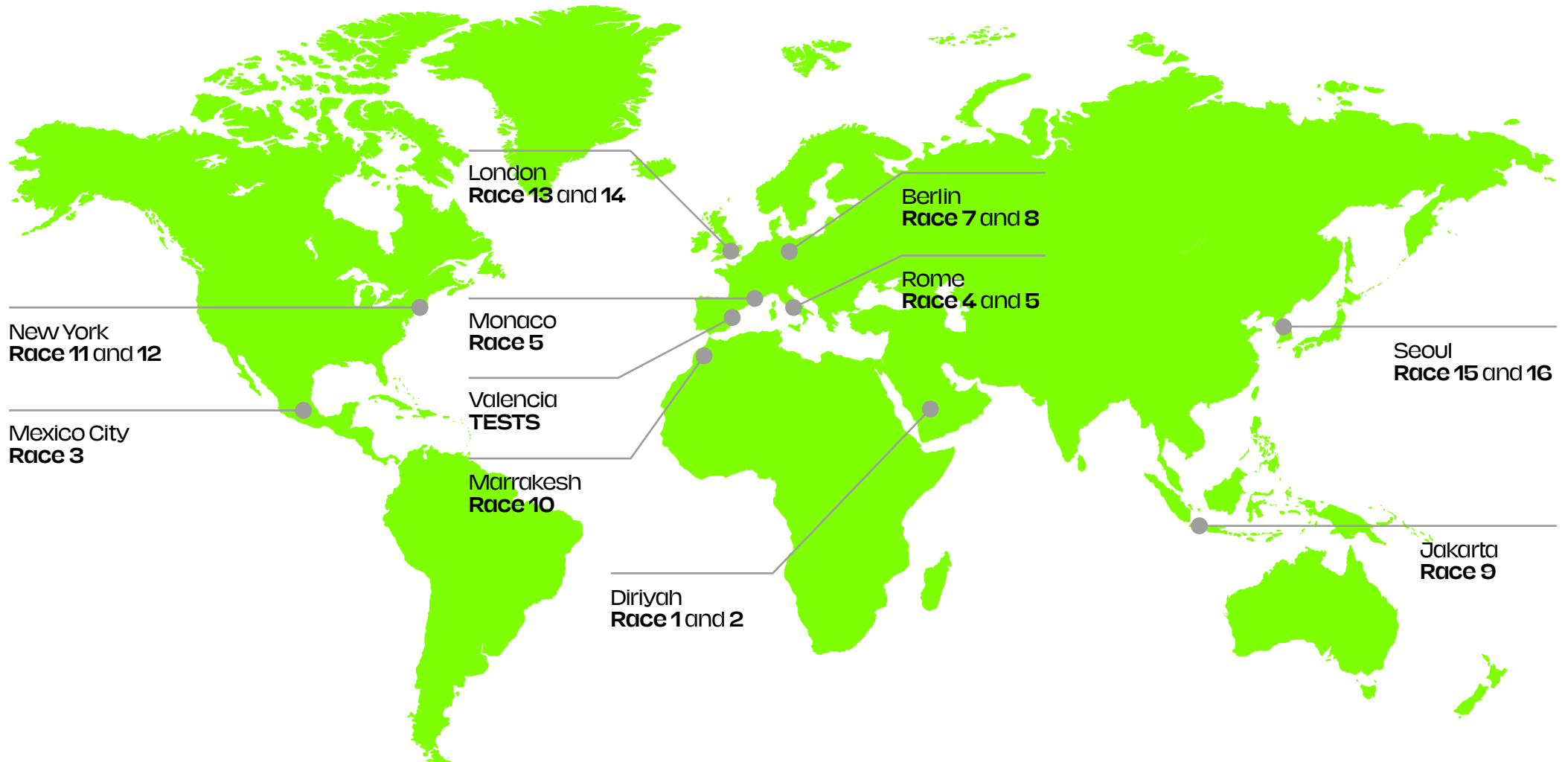
The local teams are responsible for the implementation of Formula E's strategy on-site and with assistance from the sustainability team. Local teams bring the sustainability programme to life at events.

Formula E's sustainability policy guides how the company works and the actions taken to ensure all events are as sustainable as possible.

Season 8 was a tremendous success as ABB FIA Formula E World Championship's biggest and most exciting calendar to date.

16 races took place around the world, from Mexico City to Seoul and in cities both familiar and new to the Championship calendar.

We continued to build on our efforts to highlight and tackle the most pressing issues facing society today, driving home our message of accelerating sustainable human progress in the race for better futures.



## GEN 3 CAR



1

The Gen3 race car was a hotly anticipated announcement and highlight of Season 8. Unveiled at Yacht Club de Monaco ahead of the 2022 Monaco E-Prix, it is the fastest, lightest, most powerful and efficient electric race car to take to the track. The Gen3 race car lies at the intersection of high performance, efficiency and sustainability and will be officially tested in Season 9.

## UNICEF PARTNERSHIP



2

As part of our partnership with UNICEF and commitment to the Safe and Healthy Environment Fund (SHE), Season 8's "Take A Breath" campaign used poetry, stunning video work with Tom Hiddleston to highlight air pollution as a growing issue that affects millions of children in every region of the world.

## NET ZERO CARBON



3

To offset the carbon footprint of our 8th season, the Piedra Larga Wind Farm II is our renewable energy project to bring clean energy and economic development to the communities we serve. Based in Oaxaca, Mexico, the project contributes to five of the UN Sustainable Development Goals for its ability to provide clean energy, create jobs and make progress towards climate action.

## GSBS RANKING



4

The GSBS ranked us as the Best Total Performer in the 2022 Global Sustainability Benchmark in Sports, with a record-breaking benchmark score of 80/100 for Top Performer in sustainability and wins in three out of four categories, including Best Corporate Performance, Best Environmental Performance and Best Governance Performance.



At the start of Season 7 we developed a new sustainability strategy built around four pillars to maintain our leadership in sustainable human progress.

Season 8 further demonstrated the power of this strategy to deliver better futures through the power of electric racing and create a cleaner racing future.



## 1/ INNOVATION AND LEADERSHIP

Reinforce our leadership, brand reputation and credibility through the adoption of the best internationally recognised standards for sustainable event management and environmental excellence in sporting events.

## 2/ ENVIRONMENTAL EXCELLENCE

Implement the United Nations Sustainable Development Goals within our environmental strategy and align our carbon emissions with climate science.

## 3/ SOCIAL PROGRESS

Build more inclusive, resilient, and diverse communities within our host cities through the implementation of our strategic engagement plan.

## 4/ CREATING VALUE THROUGH VALUES

Enhance our teams' and partners' visibility and reputation by developing bespoke sustainability campaigns and activations.

# ALIGNMENT TO UN SUSTAINABLE DEVELOPMENT GOALS



Promoting air quality awareness



Delivering projects to inspire the electric generation



Driving gender equality in motorsport

Our efforts to address the United Nations' Sustainable Development Goals (SDGs) cut across every area of our business practice.

Our work directly contributes to nine of the 17 SDGs, thanks to our promotion of electric vehicles, partnerships to address climate change and support of technological advancements.

Learn more about our [Sustainable Development policy](#)



Committed to renewable energy



Innovation is at our core



Contributing to the communities where we race



Promoting sustainable cities



Working with sustainable suppliers



Promoting uptake of electric vehicles



Partnering with global organizations

Formula E is the first sport whose championship was founded with sustainability at its core. Our community is comprised of athletes, competitors and fans, and we are united in a fight for something greater than us and greater than our sport. As such, we have pursued a set of initiatives related to technological innovation, event management and environmental excellence that allows us to accelerate change and spread a positive impact outward from the Championship.

In the following section, we've outlined several of the events and frameworks in which Formula E plays a role in setting a sustainability and sport-related agenda for the future, from the recent COP27 to the United Nations Framework Convention on Climate Change. As a highlight from Season 8, we share Formula E's recognition by the Global Sustainability Benchmark in Sports for our rigour in embedding sustainability at every step of the way we work as a Championship in the professional sports industry. We also celebrate the unveiling of the Gen3 race car, the official launch of which is our most hotly anticipated addition to Season 9.

9 INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



11 SUSTAINABLE CITIES  
AND COMMUNITIES



12 RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



# 16

SUSTAINABILITY  
STRATEGY

## 6.1 INNOVATION AND LEADERSHIP

12



### COP27

For the second consecutive year we continued to showcase our leading position on sustainability on the world stage through participating in multiple sessions at COP27 in Egypt, where Formula E was the only global sports championship represented.

Taking part in sessions alongside the UNFCCC, the Envision Racing Formula E Team, the Fédération Internationale de l'Automobile (FIA) and UNICEF, including a keynote address in the Innovation Zone, we focused on leveraging sport as a platform for change, how motorsport can deliver sustainable innovation and the importance of social sustainability.

The “Race Against Climate Change: Accelerating the transition to zero emission mobility” panel included speakers from Formula E, FIA, and Envision Racing, and was the conference’s only sport-related event. The panel allowed us to discuss and share ideas on our sport’s unique ability to inspire a transition to zero-emission vehicles.

As Sylvain Filippi, Managing Director, and Chief Technical Officer of Formula E Team Envision Racing, shared, “The future is electric. Formula E is a revolutionary sport which has seen phenomenal growth globally in just eight seasons. Through innovation, high performance and an active fanbase, we are demonstrating what is possible and what must be strived for.”



**“One year on from COP26, the ABB FIA Formula E World Championship continues to set the standard for sustainability in elite sport by making demonstrable progress in our mission to accelerate change towards an electric future.”**

*Jamie Reigle, CEO, Formula E*

# 16

## SUSTAINABILITY STRATEGY



# 6.1 INNOVATION AND LEADERSHIP

## GEN3

The unveiling of the all-electric Gen3 race car at Yacht Club de Monaco ahead of the Monaco E-Prix in April was a highlight of Season 8 of the ABB FIA Formula E World Championship. The Gen3 car is where high performance meets efficiency and rigorous sustainability criteria to create an incredibly powerful race car designed and optimised specifically for wheel-to-wheel street racing.

The Gen3 car will officially debut in Season 9 as the fastest, lightest, most powerful and efficient electric race car on the road. It boasts several attributes to be tested in Season 9:

- ▶ In keeping with the Championship's commitment to being the world's first Net Zero Carbon sport, we are using a Life Cycle Assessment (LCA) to measure and optimise Gen3 car's carbon footprint. It has been built with the intent to have as low a carbon footprint as possible today. All unavoidable emissions are planned to be offset.

- ▶ The Gen3 car's top speed is over 322 kph / 200 mph, making it the fastest Formula E car yet.
- ▶ The Gen3 car is designed for more than 40% of the energy used within a race to be produced by regenerative braking and boasts 95% power efficiency from an electric motor, delivering up to 350kW of power (approximately double that of an internal combustion engine).
- ▶ Natural rubber and recycled fibres make up 26% of new Gen3 tyres and all tyres will be fully recycled after racing.
- ▶ The Gen3 is the first formula car to use linen and recycled carbon fibre in bodywork construction to reduce the overall amount of virgin carbon fibre used. An innovative process from the aviation industry allows for all waste carbon fibre to be reused for new applications.
- ▶ All Gen3 car suppliers will operate in line with top international standards to reduce environmental impacts of manufacturing (ISO 14001) and be FIA Environmental Accreditation 3-Star rated.

GEN 1	GEN 2	GEN 3
<b>POWER OUTPUT</b>		
200 KW	250 KW	350 KW
<b>TOP SPEED</b>		
225 KMH	280 KMH	322 KMH
<b>MAXIMUM REGENERATION</b>		
100 KWH	250 KWH	600 KWH
2014	2018	2022

Seven of the world's leading automotive manufacturers are registered with the FIA to race the new Gen3 car in Season 9 of the ABB FIA World Championship, including DS Automobiles, Jaguar, Mahindra, Maserati, NIO, Nissan, and Porsche.

# 6.1 INNOVATION AND LEADERSHIP

## GSBS ESG Results

In November 2022, it was announced that we were ranked as the Best Total Performer in the 2022 Global Sustainability Benchmark in Sports (GSBS). With a record-breaking benchmark score of 80/100 for Top Performer in sustainability, we topped the scoreboard in three out of four categories, including Best Corporate Performance, Best Environmental Performance and Best Governance Performance.

GSBS is a global, independent not-for-profit organisation with the clear objective to tackle the challenges of the 21st century by rating and benchmarking the sustainability performance of the protagonists of the professional sports industry. In this year's reporting cycle, more than 300 organisations were invited to participate and 51 were included in the ranking.

Our recognition by GSBS as the leader in the ranking is a welcome confirmation that we have not lost sight of our founding principles and continue to champion environmental and social sustainability in sport and electric mobility.

***“Formula E impressed us at the GSBS on several levels. Overall, their corporate structure and processes reflect their commitment to sustainability. We assess a wide range of data points, environmental, social, governance, and business factors, and in each area, both the amount of data available and annual trends lead the industry. Sustainability is literally lived in Formula E, and the entire team's dedication was felt throughout the audit process. In combination, this has resulted in Formula E receiving a GSBS Award in 4 out of 5 categories and we are looking forward to documenting the development in the years to come.”***

Christian Hartmann, Chief Executive Officer, GSBS



## UNFCCC Sports for Climate Action Framework

The United Nations Framework Convention on Climate Change (UNFCCC) Sports for Climate Action framework launched in December 2018 at COP24 and was established to drive climate action aligned with the sports industry's agenda and provide a signal for the future of sports.

Formula E was a founding member and signatory of the framework, including the update launched in November 2021 at COP26, which encouraged new and existing signatories to adopt ambitious reduction targets to achieve net-zero by 2040 and reduce greenhouse gas emissions by 50% by 2030 at the latest.

The framework was developed to work towards two overarching goals:

- ▶ Achieving a clear trajectory for the global sports community to combat climate change through commitments and partnerships according to verified standards, including measuring, reducing and reporting greenhouse gas emissions in line with the Paris Agreement
- ▶ Using sports as a unifying tool to federate and create solidarity among global citizens for climate action

Signatories of the framework have committed to measuring, reducing, and reporting greenhouse gas emissions in line with science-based targets (SBTs) and to adhere to the following five principles:

1. Undertake systematic efforts to promote greater environmental responsibility
2. Reduce our overall climate impact
3. Educate for climate action
4. Promote sustainable and responsible consumption
5. Advocate for climate action through communication

[Read more about Formula E's progress against this framework to date](#)

6.1 INNOVATION AND  
LEADERSHIP

## ISO 20121

The ABB FIA Formula E World Championship became the first motorsport Championship to achieve independent ISO20121 certification for sustainable events in Season 4 (2017-2018), successfully achieved recertification in Season 7 and has passed the necessary surveillance audits in Season 8 to maintain certification. ISO 20121 is the internationally recognised standard for best practice event sustainability management. This framework has been designed to address the management of improved sustainability throughout the entire event management cycle. The certification is third-party verified through external accreditation body SGS and involves annual internal and external audits of select races to ensure requirements are met. Third-party audits help reinforce our commitment to delivering world-class events whilst prioritising sustainable development through environmental protection, social inclusivity and economic prosperity.

Annual monitoring keeps us competitive and committed to challenging business as usual, whilst ensuring continual performance improvement. Annual monitoring keeps us competitive and committed to challenging business as usual, whilst ensuring continual performance improvement. From this, we have developed four strategic objectives relating to Stakeholder Engagement, Brand Exposure, Environmental Impact and Social Inclusion and Diversity that are broken down into targets and actions with clear timelines and responsibilities within the business to deliver on and maintain our holistic sustainable approach.

**"Formula E has been embedding sustainability season-on-season – exploring new initiatives, engaging with local communities and suppliers, and applying robust impact assessments," said Ana Inacio, SGS Auditor. "It is taking the lead in sustainable motorsports and setting a new benchmark for the industry."**



# 6.1 INNOVATION AND LEADERSHIP



## FIA Environmental Accreditation Programme

The FIA Environmental Accreditation Programme aims to help motorsport and mobility stakeholders worldwide measure and enhance their environmental performance. By introducing clear and consistent environmental management into motorsport and mobility, it provides stakeholders with a three-level framework against which to accredit their activities.

We were the first Championship to be awarded FIA's Environmental Accreditation at three-star level and have gone through the renewal process again in December 2022. It will be part of the 2023 FIA Formula E Sporting Regulations that each competitor must hold as a minimum, the Three-Star Rating in the FIA Environmental Accreditation Programme by the time of registration at the latest (new teams will have additional time to complete this).

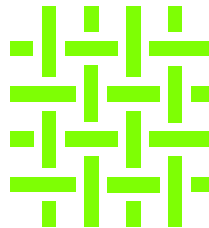


## 6.1 INNOVATION AND LEADERSHIP

### GEN 2 End of Life

#### CHASSIS

Back in Season 7, we introduced a new recycling solution for broken car parts from races. The damaged chassis, which have been collected from cars as early as Season 1, are given a second life in the form of non-woven products such as fabrics and thermoplastics. We use either road or sea freight using bio-fuels in order to transport the broken parts back to their warehouse in Donington Park where the separation process begins before sending for recycling. The process proved successful in Season 8 and we will continue to use and optimise it in Season 9.



#### TYRES

We use one type of hybrid (engineered for any weather or surface) tyre per season which means 30-50% less tyres transported and only two sets of tyres used per race per car. Additionally, 100% of Michelin racing tyres are recycled after use.



**“After each event, all of our tyres go back to the warehouse and they’re recycled,” said Mirko Perracchio, Michelin**

**Motorsport’s Formula E Manager. “They can be used in cement plants as a replacement for fossil fuels or as various forms of indoor and outdoor floors.”**

#### BATTERIES

All Formula E car batteries are given a second life after use. Our long-standing cooperation with industry partner Umicore on GEN1 batteries recycling allowed for extending the end-of-life options and recovering cells with remaining residual power. Over 95% of metals are extracted via this process and over 60% can be recycled.



## 6.1 INNOVATION AND LEADERSHIP



### RE 100 and EV100 / TCG

Our partnership with Climate Group presents a shared drive to accelerate climate action. In Season 4, Climate Group became a non-exclusive Charity Partner of Formula E to signify our joint vision for a world of prosperous, 'net-zero' emission economies and thriving, sustainable societies. Through this partnership, we are involved in two of their initiatives:

#### RE100

##### RE100

Formula E is a signatory of this global initiative which brings together over 380 of the world's largest businesses committed to 100% renewable electricity by 2040. We are working towards a 100% renewable energy target and are a signatory of Climate Group's RE100 campaign to show commitment in achieving this..

#### EV100

##### EV100

We are an official ambassador of this programme which brings together over 120 pioneering companies committed to accelerating the transition to electric vehicles by 2030.



## Prince Albert of Monaco II Foundation

The Foundation works to protect the environment and promote sustainable development at an international level by focussing action in three main areas:

1. Limiting the effects of climate change and promoting renewable energies
2. Preserving biodiversity
3. Managing water resources and combating desertification

Our relationship with the Foundation allows us to reach global audiences with positive innovations for a better future. The Foundation supports our role as a sports platform fighting climate change and as an innovator in the future of sustainable mobility.

**“Formula E is a way to change the world, to help it progress, by advancing differently. Indeed, more than ever before we need to advance differently. At a time when our planet is in danger, when global warming is disrupting its natural balance, and above all, the use of fossil fuels is directly responsible for this situation, we have dire need of a radical change. I believe sincerely, profoundly, that Formula E can be one of the vectors of this change.”**

*HSH Prince Albert II of Monaco  
during the Monaco E-Prix Gala Dinner*

# 16

SUSTAINABILITY  
STRATEGY

## 6.1 INNOVATION AND LEADERSHIP

21



SandSI

### Sport and Sustainability International (SandSI)

In Season 8, we were proud to be an official supporter of the inaugural Air Quality & Sport Challenge, organised by ThinkSport, the Sustainable Sport Lab (powered by SandSI) and the Sustainable Mountain Alliance. The Challenge's mission was to generate innovative and impactful solutions to address air quality in sporting environments. More than 20 participants, from start-ups to academics, submitted creative solutions to meet one of three goals: measure and mitigate the effect of poor air quality on athletes, clean polluted air and/or reduce air pollution, and rethink mobility.

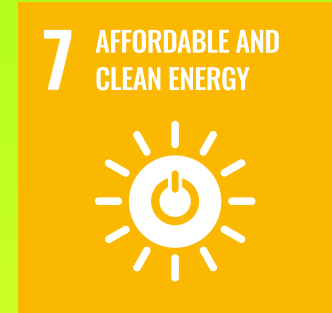
We were thrilled to work alongside the International Olympic Committee, World Athletics, UCI and ENGSO to support the Challenge, which not only aligns with our mission but also encourages cross-sector and cross-border collaboration.

Sport and Sustainability International (SandSI) is a Swiss based not-for-profit organisation founded in 2017 by some of the world's leading sport and sustainability experts. SandSI's mission is to leverage the influence of sport to protect people and the planet with a clear goal of advancing sustainability in and through sports.

As one of the founding members of SandSI, at Formula E we share SandSI's values and ambition, and we are committed to using our leadership position in sports sustainability and to drive positive change across the industry.

Formula E has long been setting a precedent in terms of environmental sustainability, from achieving a net zero carbon footprint from inception to setting science-based targets (SBTs). As part of the UN Climate Neutral Now initiative, we follow its framework to drive climate action: monitor, measure, reduce, offset unavoidable emissions and report. In doing so, we strive to continue to lead the way minimising environmental impacts in elite sport.

In the following section, we celebrate our progress towards meeting our SBTs. As the first sport in the world to have set an SBT with the highest ambition, following the 1.5°C pathway, we are excited to share that we are on track to meet our near-term targets for Scopes 1 & 2 and we are continually looking for improvement opportunities to meet our near term targets.



## Carbon Management: Measure

Since our inaugural season, Formula E has worked with carbon footprint experts to assess the carbon footprint of its Championship. The annual carbon footprint is used to monitor and calculate the Championship's greenhouse gas emissions and understand its main sources of impact on the environment. We monitor impacts on a race-by-race basis and report at the end of each season in order to identify opportunities to make further improvements in planning and operations. The carbon footprint is carried out according to the internationally renowned GHG Protocol Corporate Accounting and Reporting standard.

This is the first year we have had a true comparison to the Season 5 baseline carbon footprint, as Seasons 6 and 7 were heavily impacted by COVID-19. Season 8's calendar, 16 races strong, saw the Championship travel to 10 countries, with 6 cities hosting double-header events. Spectator attendance at races is also slowly returning to pre-COVID levels.

Season 8's footprint also measures progress against the science-based targets (SBTs) that we set in 2021. Following the pathway outlined by the Science Based Targets initiative (SBTi), Formula E committed to reduce our absolute Scope 1 &

2 GHG emissions by 60% by 2030 from Season 5 (2019) baseline and our absolute Scope 3 GHG emissions by 27.5% by 2030 from Season 5 (2019) baseline.

Overall Season 8 emissions: 33,800t CO<sub>2</sub>eq, a 24% reduction compared to the Season 5 baseline. According to our commitment to the SBTi, we are aiming to reach our objective of 24,500 t CO<sub>2</sub>eq before 2030 and are on track to meet that goal.

\*Compared to Season 5 baseline: 45,000 t CO<sub>2</sub>eq

OVERALL SEASON 8 EMISSIONS

**33,800 t CO<sub>2</sub> -eq**

24% reduction compared to the Season 5 baseline

### SEASON 5



### SEASON 8



**Improving efficiency per race:** Formula E would not exist without races, so the ability to consistently reduce the average carbon footprint per race for a season is critically important. The decrease from Season 5's baseline reflects the efficiencies the team has worked hard to create at every race, from energy use to food sales and in between.

## Carbon Management: Measure

% TONS OF CO<sub>2</sub>eq SCOPE 1: **1%** — SCOPE 2: **0.2 %** — SCOPE 3: **98.8%**



**73%**

**FREIGHT**

The freighting of cars and equipment is the most significant source of emissions. Despite adding races, Formula E was able to reduce freight emissions from 32,300 t

CO<sub>2</sub>eq in Season 5 to 24,800 t CO<sub>2</sub>eq in Season 8 by carefully curating the calendar to allow for groupings and logistics efficiencies.



**13%**

**BUISNESS TRAVEL**

Our emissions from staff travel were lower than in Season 5 despite the addition of races to the calendar, partially due to ensuring only race critical staff attend events.



**7%**

**OPERATIONS**

With more races on the calendar, the overall footprint of our operations has increased, but the consumption per race has decreased. Season 8 saw much more efficient races thanks to a concerted effort

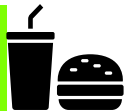
to use grid power where possible, supplement with more sustainable fuels like Hydrogenated Vegetable Oil (HVO) and make like-for-like race consumption reductions.



**4%**

**SPECTATOR TRAVEL**

Spectator travels have decreased since Season 5 despite reaching pre-COVID levels again, largely due to double headers that allow for less international transport per race.



**2%**

**FOOD AND DRINKS**

Emissions from food and drinks at race events are only marginally higher than Seasons 6 or 7, despite there being more races and a significant increase in specta-

tors. We have focused on ensuring vegetarian or vegan offerings and sourcing food locally when possible.



**1%**

**CAR**

Emissions related to the cars and battery have traditionally hovered around 1%, though we are still committed to finding improvements and hope to see changes from the Gen3 car.

**Our Scope 1 and Scope 2 footprint includes energy and electricity consumption (respectively) at race sites and HQ. Scope 3 emissions include all other emissions, such as business travel, freight and car production.**



## 6.2 ENVIRONMENTAL EXCELLENCE



### Carbon Management: Reduce

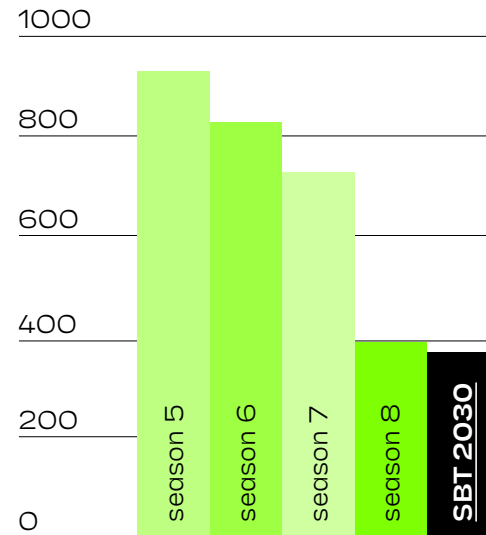
In Season 7, Formula E became the first sport to join the Science Based Targets initiative (SBTi) by setting science-based targets (SBTs) consistent with limiting warming to 1.5°C, the most ambitious goal of the Paris Agreement.

We committed to reducing our absolute Scope 1 & 2 Greenhouse Gas (GHG) emissions by 60% by 2030 and Scope 3 GHG emissions by 27.5% by 2030, using Season 5 (2019) baselines.

Given Season 8 results, we are on track to meet our near-term SBTs for Scopes 1 & 2 and are trending in the right direction to meet our Scope 3 near-term target.

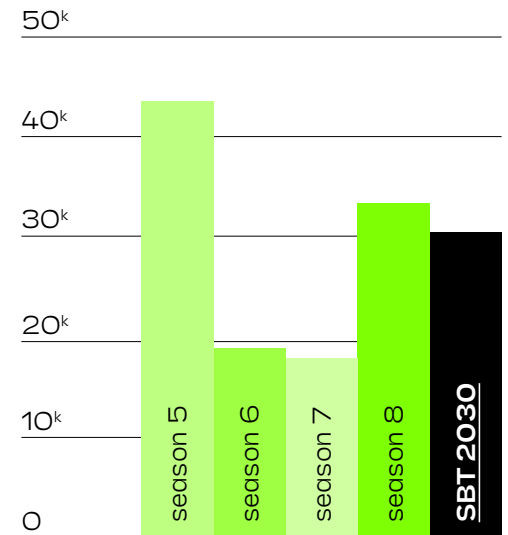
#### SCOPES 1 & 2

For Scopes 1 & 2, we have focused on increasing the amount of sustainable fuel used to power the championship while also reducing the like-for-like race energy consumption.



#### SCOPES 3

We are working closely with our Official Logistics Partner on a reduction roadmap to ensure that the championship meets its targets. We are considering solutions such as the use of biofuels and carbon insetting for road and sea freight, better routing and calendar management and exploration of new opportunities such as Sustainable Aviation Fuel (SAF).



## 6.2 ENVIRONMENTAL EXCELLENCE



### Carbon Management: Footprint (reduce)

Efforts are made across every area of the Championship to minimise environmental impacts and progress towards achieving our science-based targets (SBTs):

#### FREIGHT

With freight consistently having the largest impact on our Championship footprint, we work directly with our Official Logistics Partner to find reductions. The Formula E calendar is optimised and regionalised as best as possible and our Logistics team works closely with teams, staff and suppliers to ensure only race-critical items are freighted in an effort to reduce weight, and our Internal Audit team carries out seasonal freight inventory audits to confirm reductions.



Where possible, Formula E implements a multi-modal approach with rail/road/sea as preferred modes, as they are up to 20 times less

**S8: 24,800 t CO<sub>2</sub>-eq**  
**S5: 32,300 CO<sub>2</sub>-eq**  
**→ 23% reduction**

carbon intensive than air freight, whilst also ensuring packaging is as efficient as possible so that vehicles can be load-efficient and optimise routes for minimal carbon impact.

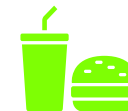
#### STAFF TRAVEL

With staff travel also a significant share of our Championship footprint, we have introduced measures for reduction. This includes ensuring only race-critical staff attend the races, prioritising travel by train over air where applicable, arranging shuttles only when the site isn't within walking distance and prioritising electric/hybrid vehicles with ground transportation companies.



#### FOOD AND DRINK

All catering on-site (covering teams/staff/suppliers/spectators/hospitality guests) includes a minimum of 30% vegetarian or vegan offerings and is all locally or seasonally sourced where possible.



#### SPECTATOR TRAVEL

We do not offer nor advertise parking for spectators and encourage the use of public/shared transportation through pre-event communications and with travel measured through on-site surveys.



#### CAR

We work with teams and suppliers to ensure the life cycle of Gen2 cars and batteries is included in the Championship footprint in order to more accurately identify reduction opportunities. We promote the recycling and reuse of Gen2 parts as much as possible to reduce its impact.



#### OPERATIONS

Operations covers all the impacts related to the smooth delivery of our events. This includes our energy and electricity consumption at race sites and HQ, as well as all associated overlay and infrastructure impacts.



## 6.2 ENVIRONMENTAL EXCELLENCE



### Carbon Management: Footprint (reduce)

**67% sustainable fuel use**

**45% reduction in diesel fuel consumption**

**25% reduction in like-for-like race fuel consumption**

When it comes to event and energy management, we prioritise use of the grid where possible to power events. Where this isn't possible, a sustainable fuel called Hydrogenated Vegetable Oil (HVO) or bio-diesel (B100) is used to generate electrical energy locally. When using HVO and bio-diesel (B100), we ensure that electrical generation matches demand (generator capacity and load on demand) and that energy-efficient technologies are used (including energy stores) to reduce fuel consumption.

In Season 8, 100% renewable energy was used in seven of the 10 race events, 11 of the total 16 races. Unexpected logistical and operational obstacles impacted those three events, meaning that 100% renewable energy could not be achieved. In each

case, we worked hard to establish a foundation of new processes and practices that will enable renewable energy to be more easily implemented at future events.

#### WASTE MANAGEMENT AND RECYCLING

We provide and encourage recycling at 100% of events and ensure events are in line with local infrastructure, language, or colour conventions. Various initiatives are launched on-site to help educate and raise awareness of recycling, such as Recycling Rangers, designated ambassadors who are located around areas of high footfall, educating teams, staff and spectators to maximise recycling.

Formula E's average recycling rate in Season 8 was 54%, recycling almost 640 tons, with 92 Recycling Rangers supporting across the events.

#### SUPPLY CHAIN MANAGEMENT

Formula E strives to effectively engage with our supply chain to ensure we are maximising the positive impact the championship can have through procurement practices. Su-

stainability is embedded throughout the entire process from initial invitation to tender, with our Sustainable Procurement Policy and Supplier Sustainability Questionnaire as accompanying documentation.

Upon contracting, sustainability deliverables and KPIs are added to contracts where relevant to hold suppliers accountable for sustainability scopes of work. Suppliers are subject to robust assessments on-site and an evaluation of performance post-race to ensure suppliers have and maintain high environmental and social standards in line with what Formula E strives to meet.

#### WATER AND PLASTICS

We strive to ensure water consumption is optimised on-site where possible and we provide free water and reusable pouches to spectators to reduce single-use plastics on location. More than 137,000 litres of water has been distributed via Hydration Stations in the Allianz E-Village since their introduction in Season 5, saving the equivalent of more than 420,000 330ml single-use plastic bottles from being transported to events and disposed of after use.

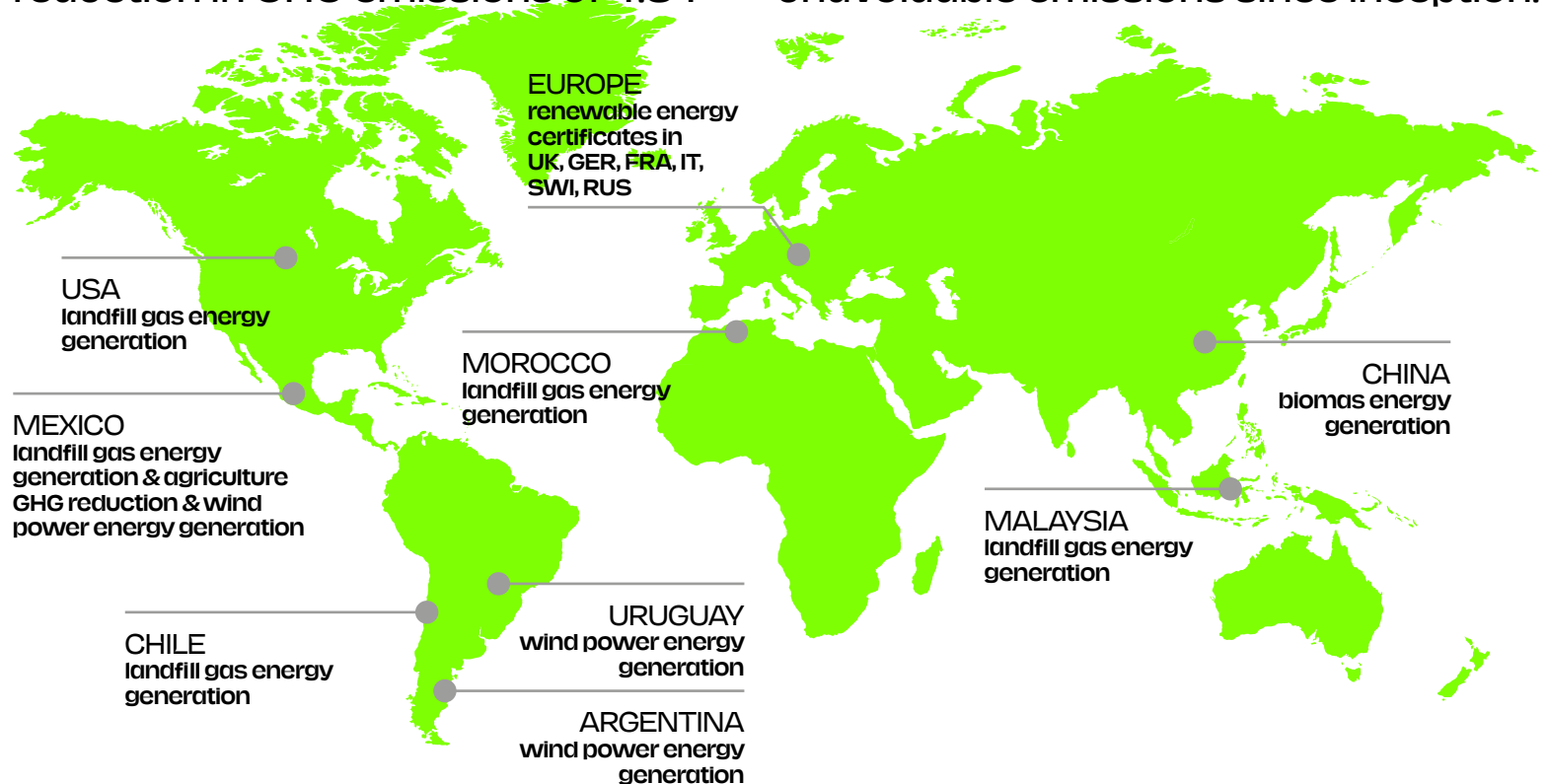
## Carbon Management: Offset

In Season 6, Formula E became the first sport to be Net Zero Carbon from inception, having offset unavoidable emissions from past seasons through investments in Gold Standard, Verified Carbon Standard and Clean Development Mechanism projects. All projects focus on renewable energy production and their impact reaches beyond the environment by contributing social benefits for local communities in developing countries and by advancing our efforts to leave a Net Zero Carbon legacy in Formula E race cities. They also help to drive economic benefits through the advancement of renewable energy production and adoption of electric vehicles.

For all countries in Europe, we have invested in 'Guarantee of Origin' certificates to offset what is used by Formula E on the grid (Scope 2 emissions). This is the best method for making a positive impact locally and increasing the market momentum for renewable energy. We are committed to maintaining net-zero carbon status and therefore we prioritise investing in additional projects and Guarantee of Origin certificates after each season.

From Seasons 1 to 8, we have offset 209,400 t CO2eq with a combined reduction in GHG emissions of 4.34

million t CO2eq during their crediting periods. This is equal to our entire unavoidable emissions since inception.



## 6.2 ENVIRONMENTAL EXCELLENCE

### Carbon Management: Offset

For Season 8, we have invested in the enlargement of the Piedra Larga Wind Farm II in Mexico, which is verified by the UNFCCC Clean Development Mechanism. The project, called Piedra Larga Phase II, aims to reduce greenhouse gas emissions compared to a business-as-usual scenario by displacing electricity based on fossil fuels. In addition, the project seeks to reduce other pollutants (CO, NOx, SO2) from industry.

The wind farm, located in the municipality of Unión Hidalgo, Oaxaca State, in Mexico, has a renewable energy capacity of 137.5 MW and will house 69 wind turbines. Its expected operational lifetime is 20 years and has an estimated output of 554,675 MWh/year.

Wind energy has several advantages and value-adds for the community involved in the project:

- ▶ It can allow for a free, abundant and inexhaustible resource
- ▶ Technological implementation and maintenance have few CO2 emissions associated in the operation phase

- ▶ It can provide a barrier against price volatility, promoting stability and security of supply while avoiding dependence on fossil fuels. It also can contribute to market development by providing the business insights to drive long-term purchases
- ▶ The Piedra Larga Wind Farm II creates jobs during the construction and operation period, which requires the training and education of workers

The different activities that make up the Piedra Larga project are projected to have a great impact on the region by promoting the growth of the Mexican grid's capacity and diversifying the mix of energy generation.



This project contributes to UN Sustainable Development Goals:

<p><b>4</b> QUALITY EDUCATION</p>	<p><b>7</b> AFFORDABLE AND CLEAN ENERGY</p>	<p><b>8</b> DECENT WORK AND ECONOMIC GROWTH</p>	<p><b>9</b> INDUSTRY, INNOVATION AND INFRASTRUCTURE</p>	<p><b>13</b> CLIMATE ACTION</p>
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# 6.2 ENVIRONMENTAL EXCELLENCE

## Case Study: **CSM Live**

In Season 8, we have partnered with CSM Live, a live event management agency, to develop new sustainable materials and experiment with more sustainable alternatives at scale.



As part of this work, CSM Live and Formula E have experimented with multiple sustainability-focused innovations that have helped lead to the following changes:

- ▶ Used Akyprint (a recyclable alternative often made from recycled materials) instead of Foamex (a non-recyclable plastic-based board) at Formula E events where possible
- ▶ Switched to PVC-free self-adhesive vinyl for trackside branding for U.K. container production where possible
- ▶ Introduced and scaled up the use of PVC-free banners when costs and availability of product allow
- ▶ Pioneered the re-design of fabric banners to remove eyelets and ensure a purer monofilament material that is easier to recycle into other polyester and reduces waste from eyelets and cut-offs
- ▶ Applied re-usable bungee cords for installation where possible to reduce the number of cable ties where possible
- ▶ Started conversations with local suppliers in every market to educate them on best practices regarding reducing their environmental impact

6.2 ENVIRONMENTAL  
EXCELLENCECase Study: **United Nations  
Environment Programme (UNEP)**

We have partnered with UNEP since Season 4 specifically on its #BeatAirPollution campaign to continue to raise awareness around the detrimental impact of air pollution and empower individuals, governments and private companies to take part in the fight to #BeatAirPollution.

Pollution is a pervasive issue affecting public health, food production, water availability and the air people breathe around the world. We support campaigns like #BeatAirPollution to tackle an environmental crisis and one of the priority UN Sustainable Development Goals.

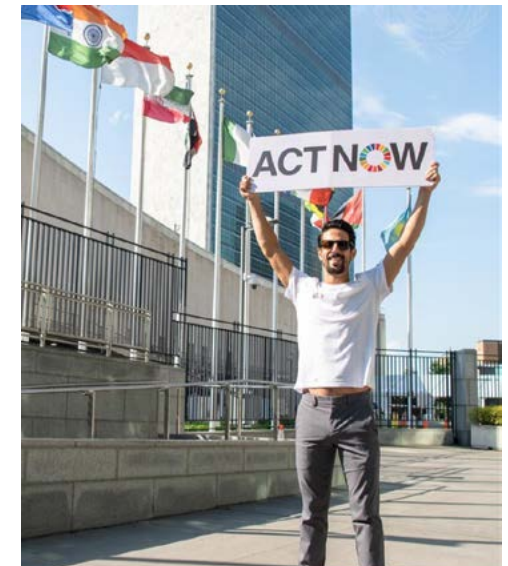
Through the Championship, we raise awareness on urban air pollution and the benefits of electric mobility as we race in the heart of some of the world's most iconic cities across five continents.

In Season 4, Brazilian Formula E driver Lucas di Grassi, was named the UN Environment Programme Clean Air Advocate, to help raise awareness of air pollution.

On 14th July and in advance of the 2022 New York City E-Prix, Lucas di Grassi and Formula E were welcomed by Maher Nasser (Director, Outreach Division, UN Department of Global Communications) and Satwant Kaur (Communications Officer, UN Environment New York) for a guided tour around the United Nations Headquarters and a discussion regarding what is being done to combat air pollution in the city.

**“For me, it’s a lifetime achievement to be a part of the UN Environment Programme.”**

**Lucas di Grassi,**  
UNEP Clean Air Ambassador





## 6.3 SOCIAL PROGRESS

Through community outreach projects and engagement activities, we look to build more inclusive, resilient, and diverse communities within our host cities. Our partnerships, projects and commitments are chosen for their ability to nurture a culture of inclusivity, champion diversity, create opportunities for underrepresented groups in our sport, and align with our ambition to contribute to a healthier environment for people around the world.

In Season 8, we doubled down on our mission to tackle air pollution and its harmful impact to public health. Our existing UNICEF partnership expanded a powerful campaign around the devastating impact pollution has on children’s health. We also continued to use each race as an opportunity to engage

members of the host city – from school children, young women, through to local residents. As Season 9 promises more races on the calendar, Formula E is energised by the opportunity to provide more communities with touchpoints to the sport and sustainability.

**4** QUALITY EDUCATION

**5** GENDER EQUALITY

**10** REDUCED INEQUALITIES



## 6.3 SOCIAL PROGRESS

### UNICEF

Through our partnership with UNICEF, Formula E is committed to creating a safe, clean, healthy and sustainable environment for children, contributing to a better world for future generations and providing children with the tools to reach their full potential. In April 2021, we launched a partnership to support 3 million children over 3 years, and over the course of 2021 we helped UNICEF engage over 696,000 adolescents in 75 countries.

Through the Safe and Healthy Environment Fund, UNICEF and Formula E are using solar energy to provide schools and surrounding communities with clean water, encouraging local and national governments to initiate extensive policy change and educating and empowering children and young people around the world.

In 2021, the Safe and Healthy Environment Fund accomplished several milestone results.

#### CLIMATE RESILIENCE

Through the fund, UNICEF is implementing child-inclusive programmes that develop climate resilience, low carbon development and clean energy use in 81 countries.

#### ADVOCACY

Worked with governments and encouraged them to create national climate resilience strategies that prioritise children and their rights.

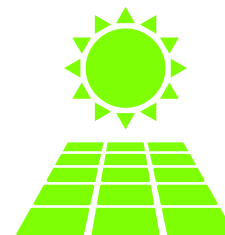
#### EMPOWERING CHILDREN

In 2021, UNICEF worked with local school networks across 75 countries to provide children with education and training on the role they can play in tackling the climate crisis.



**8.9 million people**

have gained access to climate-resilient water and sanitation services through direct UNICEF support in 2021



**1,500 solar-powered water systems**

constructed in 2021 to boost the resilience of drought-prone regions and support low-carbon development



**By end of 2021, 83 countries**

with child-sensitive national climate and environmental plans that were developed with support from UNICEF

## UNICEF

**Case Study: Casita de Agua y Energía Programme**

Mexico experiences intense droughts, rain and tropical cyclones linked to climate change, a problem which presents itself in schools. Only 62% of schools have water every day of the week, 19% lack sufficient toilets and 58% do not offer drinking water.

We partnered with UNICEF Mexico on the “Casita del Agua y la Energía” programme to bring resilient Water, Sanitation and Hygiene (WASH) infrastructure to schools and promote education on environmental issues and climate change with a special focus on energy and water consumption. The “Casita del Agua y la Energía” structure is a rainwater harvesting system developed by UNICEF and partners and can provide access to drinking water whilst acting as an educational tool to show students how solar, mechanical, and kinetic energies work. Through the water purification system and the solar panel, teachers can teach children and adolescents about topics like responsible water use, renewable and clean energy, and the protection of the environment.

As of December 2022, 7,719 young people have been positively affected and nine “Casitas” have been installed in nine schools, while 33 teachers, two directors, four administrative staff and two maintenance officers have been trained directly on its use and maintenance, and 94 students have participated in activities with the “Casita.” The objective is to implement the programme in 30 schools from the State of Guerrero, as well as in Mexico State and Mexico City.



## UNICEF

Take A Breath Campaign

As part of our ongoing partnership with UNICEF, Season 8 saw the launch of the film “ ” to shine a spotlight on air pollution as a pressing and growing issue that affects the lives of millions of children in every region in the world.

The campaign manifested as a stunning spoken word poem, captured in a single-shot video with actor and UNICEF Ambassador Tom Hiddleston. The video takes the audience through a powerful visual journey and takes place within an immersive gallery space in London. Supporting content featured Formula E drivers taking a breath in solidarity with the message delivered in this powerful poem.

The campaign was featured in an experiential gallery at the London E-Prix using repurposed material from the original film set. The film was also featured on screens throughout the E-Village.

Through the partnership, we are providing funding to UNICEF who are leading on urgent response and supporting teams around the world, in Mexico, and beyond, as they make a life-saving difference for children.



Watch the [VIDEO](#)

## 6.3 SOCIAL PROGRESS

### Community Engagement and Legacy Programme

We view our time in host cities as invaluable moments to connect with local communities, raise awareness about environmental topics and create more touchpoints for people and the sport. The Championship may have a start time and a finish line, but our commitment to the host communities has no timeframe, and we aim to build upon these impacts in Season 9.



**over € 500,000**  
supported with local philanthropic donations

**11,720 children**  
positively impacted locally

**77 universities, schools, charities, community groups**  
collaborated with during season 8

**over € 110k**  
spent on community engagement initiatives in host cities

**over 696,000**  
children impacted globally from our donation to safe & healthy environment fund

## Race highlights

**DIRIYAH**

- ▶ Community Tour held for Charitable Society for Autism Families (35 pax), including Behind the Scenes Pit Lane Walk, Porsche garage tour and driver meet and greet, as well as a dedicated session on simulators and 150 goody bags in collaboration with DHL
- ▶ CBX – exclusive promoter in the Middle East – and Formula E together raised more than \$478,000 USD for charity at the Diriyah E-Prix Gala Dinner

**MEXICO CITY**

- ▶ Creation of a 350 square-metre mural made from photocatalytic paint, a mineral paint that uses light energy to neutralise pollution, in Alvaro Obregon (Colonia Roma)
- ▶ Through FIA Girls on Track, approximately 150 girls were hosted onsite
- ▶ Track time hosted for children using electric go-karts, organised by OMDAI, the Mexican Organisation of Automobiles

**ROME**

- ▶ Inauguration of Season 7's legacy playground, located near the track and constructed using recycled materials
- ▶ Addition of six solar powered pedestrian crossings in three districts of Rome, five defibrillators donated to EUR (Esposizione Universale Roma) District
- ▶ UNICEF interview with Formula E CEO Jamie Reigle streamed live on CBS, Star and Channel 4 (as well as the international feed for all non-English speaking territories)
- ▶ 341 local residents hosted via Locals On Track, a dedicated time for locals to traverse the same 14 turns as the Championship drivers and participate in a guided pit walk to see the race teams in action
- ▶ 15,000 letters given out to residents with information on how to redeem a ticket and participate in Locals On Track

**MONACO**

- ▶ EVER Monaco: Formula E Gen3 show exhibited over three days with a round-table on "Formula E: Accelerating sustainable human progress through the power of electric racing"
- ▶ Community engagement with 40 "Lycées techniques" students who attended the Gen3 car unveil, including a meet and greet with engineers
- ▶ Partnership with Prince Albert II of Monaco Foundation: Presence in BEC and Gala Dinner to showcase joint mission to accelerate electrification of Monaco's streets
- ▶ Two masterclasses given to AMOS Nice students by a Formula E representative on Formula E and Monaco E-Prix case studies

**BERLIN**

- ▶ 5,000 euro donated to "Spendenbruecke," a non-profit organisation that supports people affected by the Ukrainian war and coordinates voluntary commitment, donations and in-kind support

- ▶ Sustainability-themed round-table hosted by Formula E during race week on the topic of Gen3
- ▶ 89 girls hosted via FIA Girls On Track
- ▶ Hosted 8 children and 4 supporting adults from the Hoffman Foundation for a pit walk and meet and greet with Maximilian Günther

**JAKARTA**

- ▶ 33,000 m2 of permanent track was asphalted and grandstands with capacity of 10,000 made available for use by the Theme Park and JakPro. This will provide an additional revenue stream to the local communities in Jakarta and may support economic recovery after the pandemic
- ▶ 100 girls hosted via Girls On Track
- ▶ Net Zero Carbon challenge at school – A week-long challenge for the local school to record and capture steps taken to reduce their carbon footprint

## Race highlights

- ▶ Waste4Change – 100 SME's and 21 local senior high school students received training on waste management
- ▶ 160 GS tickets made available to those participating in the Community Tour, three tickets made available to the three winners of Jakarta E-Prix Goes to School activities at SMAN 80 Jakarta
- ▶ Sustainability talk series held in May included three webinars featuring experts from diverse backgrounds with various expertise on a holistic approach to environmental protection, social inclusivity and economic prosperity

### MARRAKESH

- ▶ Interview with the President of AMEE, the sustainability agency of Morocco
- ▶ 30 grandstand tickets to local charities – Education For All, IRESEN, Centre National Mohamed VI pour les Handicapés

- ▶ 150 goody bags donated to Education for All Morocco in collaboration with DHL, a local charity supporting young girls with education, living accommodation and food to enhance life opportunities

### NEW YORK

- ▶ Brooklyn Greenway Initiative – Local clean-up alongside a donation of \$3,000 (USD) to improve the areas around the event in Red Hook
- ▶ DHL Tree Planting – Working alongside the New York City Parks Department, DHL and Formula E, planted 50 trees across Red Hook with Formula E drivers Oliver Turvey (NIO 333 Racing) and Alexander Sims (Mahindra Racing) supporting
- ▶ Conference with ABB and the Port Authority on electric mobility
- ▶ GS tickets for five EV100 members on Sunday
- ▶ UN Clean Air Advocate, Lucas di Grassi visited UNEP's New York City Headquarters to discuss the future of motorsport

- ▶ UNICEF Track Paint activation - UNICEF and Red Hook Community designed track paint at Turn 10

### LONDON

- ▶ Change.Accelerated.Live Summit brought together experts from motorsport, sustainability, politics and education. Featured speakers came from Bloomberg NEF (New Energy Finance), Massachusetts Institute of Technology (MIT), ExCeL London and the FIA
- ▶ 120 girls hosted via FIA Girls on Track
- ▶ Community Tour – 65 local residents, schoolchildren from the area, and key outreach points were invited to the track to experience the venue
- ▶ Richard House Hospice Visit – Children got to interact with the Gen2 Formula E racing car. Formula E staff, Newham Borough councillors and management from the ExCeL were given a tour of the hospice
- ▶ £2,000 (GBP) donated to Richard House to support key services offered by the hospice such as its Body and Soul Education programmes

### SEOUL

- ▶ Over 2000 tickets donated to local residents along with 1000 tickets to the local fire and police departments over the weekend to increase awareness and education of the Championship
- ▶ DHL x FE Together Green awarded the Local Hero to Mo-A Son, helping underprivileged children residing in underdeveloped countries
- ▶ Envision Racing was awarded the Climate Champion Award for the best Season 8 Sustainability actions at the end of season gala
- ▶ 150 goody bags were given to Anna's House a welfare organisation that has been providing shelter for homeless and runaway teenagers in Seongnam city

# 6.3 SOCIAL PROGRESS

## Key projects

### FIA GIRLS ON TRACK

FIA Girls on Track is a grassroots project to empower young girls and promote gender equality in an innovative, engaging and positive manner. As motorsport is strongly linked to major industries, FIA Girls On Track gives girls from around the world the chance to engage in career opportunities through on-site educational workshops, exclusive behind the scenes access and introductions to women in the industry.

Through four physical events held in Season 8, FIA and Formula E saw over 1,300 sign ups across the season and ultimately hosted 450 girls from around the world. As Formula E continues to highlight motorsport career opportunities to young women in Season 9, it looks forward to several more in-person events, from Mexico City to Jakarta and more. Following the success of hitting record participant numbers in Season 8, Formula E and FIA are focused on expanding opportunities for greater participation in the programme.



## 6.3 SOCIAL PROGRESS

### Social benefits of Net Zero Carbon local projects

#### Piedra Larga Wind Farm II Mexico

The Piedra Larga Wind Farm II project in Oaxaca, Mexico, aims to bring clean energy and economic development to the communities it serves. The municipality Unión Hidalgo has 13,547 inhabitants, as of 2010, and the project aims to involve many local residents to support the planning, implementation, and maintenance of the project. Through the project, workers have been trained and educated on the construction, technological implementation and operation of renewable energy sources, while bringing security and stability to the local energy supply.



**IMPACT: Contributes to 5 of the 17 UN Sustainable Development Goals:**





## 6.4 CREATING VALUE THROUGH VALUES

In order to help drive our sustainability goals and ambitions, we work together with our ecosystem of Teams and Partners to use our platform to test and showcase innovative solutions via actions at our events that can be scaled up to live a more sustainable lifestyle.

In Season 8, our values manifested in a continued partnership with several of the world's leading auto manufacturers to drive the future of the electric car market, through team-led initiatives, like beach clean ups and Pride activations, and through exciting new projects with longstanding partners, like our DHL x Formula E Together Green mural. We are proud to have a long list of teams and partners willing to enhance our contributions to the sport, communities and cities that make Formula E what it is.

17 PARTNERSHIPS  
FOR THE GOALS



## Teams and partners: Race to Road Transfer

On the road, the number of electric car models has increased six-fold since Formula E's first season, with more than 175 different versions now available in Europe. Our partners across Europe, such as Porsche, Jaguar and Mercedes, have looked to Formula E as a testbed to help develop cutting edge technology that can be fed back into the product development and maintenance processes. The partnership has proved influential to the development of the electric car market.

### JAGUAR

Jaguar was able to develop a range-boosting software upgrade for the all-electric Jaguar I-PACE SUV as a result of technical knowledge gained from Formula E.

Changes to the Jaguar I-PACE SUV improved battery performance and delivered up to 20km of additional range on a full charge.

These race-derived enhancements are delivered through optimisation of battery management, thermal systems and all-wheel drive torque improvements.

*"Motorsport has always been at the forefront of technology and at Jaguar, we use Formula E as a real-world test bed. Together the team test, develop, learn and collaborate, sharing insights across Jaguar Land Rover which will benefit future road car development. These learnings are key as Jaguar is reimagined as a pure electric luxury brand from 2025."*

**James Barclay,**  
Jaguar TCS Racing Team Principal

### MERCEDES

The Formula E team that developed the power unit for the racetrack also helped develop the Mercedes VISION EQXX, a sedan that drove over 1,200 km on one charge in real-world driving conditions – from Germany Stuttgart (Germany) to Silverstone (UK) – and is the most efficient Mercedes-Benz ever built.

### NISSAN

Since 2015, the 2020 Nissan Leaf – among the bestselling electric vehicles of all time – has seen its battery capacity and range triple compared with the original model, all thanks to on-track analysis.

*"What Formula E does very well is [being] a complete and utter technical demonstrator of what the future of mobility looks like."*

**Jack Lambert,**  
Race Engineer, Jaguar TCS Racing  
Formula E Team



# 6.4 CREATING VALUE THROUGH VALUES

Teams and partners:

## Climate Champion Award

Since our inception, we were created to help promote a better future for all. Recognising the work all areas of the Formula E ecosystem do to help advance this, the Climate Champion Award recognises the extra special contribution of a particular entity in accelerating the awareness, uptake and development of sustainable mobility. The award is supported by our Charity Partner, Climate Group – the international non-profit with a mission to drive climate action, fast.

The winner for Season 8, for the second time in three seasons, is Envision Racing.

**“At Envision Racing, we believe that sport has the power to influence and inspire behaviour change, uniting fans and the wider public around social and environmental issues. By raising the profile of Formula E racing and showcasing the true potential of the very best electric vehicle technology to a global audience, we hope to accelerate the adoption of zero emission vehicles - something that will play a vital role in the fight against climate change.”**



# 16

SUSTAINABILITY  
STRATEGY

## 6.4 CREATING VALUE THROUGH VALUES

44

### ABB drivers of progress

ABB's video series about its partnership with the ABB FIA Formula E World Championship showcases the closely linked and exciting worlds of a global technology leader and the pioneering global all-electric motor racing series. Together, these two high-performance partners are driving progress in technology that will help ensure a cleaner, more sustainable future for coming generations.

The series explores common touchpoints between ABB and ABB FIA Formula E World Championship, highlighting parallels both in technology and philosophy



# 6.4 CREATING VALUE THROUGH VALUES

## Mahindra Racing beach clean up

Mahindra Racing reiterated their intention to be the most responsible team on the grid through a new sustainability campaign in Season 8. The campaign pledged that alongside Tide Ocean Material the team would remove 1 million plastic bottles from the ocean, and encouraged fans across the world to vote for the Mahindra Racing drivers on Fanboost by committing to removing an additional 10 bottles for every vote. By the end of New York, fans had removed an extra 100,000 plastic bottles from the ocean.

The campaign featured Alexander Sims, Mahindra Driver and sustainability advocate, picking up rubbish at a local and heavily littered beach in Jakarta - discussing the worldwide situation, thanking fans for their efforts and encouraging people to take part further



Read more [HERE](#)

# 6.4 CREATING VALUE THROUGH VALUES

## DHL partnership

### TOGETHER GREEN WITH NYC PARKS

As part of the cooperation of DHL with the Formula E legacy programme, the DHL and Formula E teams partnered to plant 50 trees in Red Hook, Brooklyn. The day was dedicated to team building and raising awareness about air pollution and flood mitigation.

Formula E drivers, team representatives and Formula E employees dug in alongside local community members, NYC Parks Tree Time programme members and volunteers from DHL. The teams worked together to identify areas in Red Hook that would most benefit from trees based on criteria such as flooding potential. Community trees have the potential to intercept and absorb stormwater and remove pollutants as well as carbon dioxide.

### MEXICO CITY MURAL

In an effort to leave a lasting legacy in the communities in which races take place, DHL and Formula E teamed up to create the DHL x FE Together Green mural in Mexico City during Season 8. Formula E and DHL worked with the local artist Reezruiz to produce a stunning 352 m<sup>2</sup> mural that took seven days to complete and required 19 litres of paint.

The mural uses photocatalytic paint, a mineral paint that uses light energy to neutralise air pollution. Titanium dioxide, a key mineral in the paint, acts as a catalyst to purify the air when exposed to UV light, removing many toxic or harmful substances and absorbing carbon dioxide.



6.4 CREATING VALUE  
THROUGH VALUES**ROKiT Venturi Racing -  
Diversity, Equity and Inclusion**

Building upon the team's Pride activation in 2021 which showcased their Head of Partnership and Activations' story on being a gay woman in motorsport, ROKiT Venturi Racing continued to advocate for awareness in motorsport to drive change and inclusion during Pride Month 2022. The team proudly partnered with Racing Pride for an ongoing collaboration starting with Pride Month 2022, creating a series of educational articles and resources on topics anywhere from how to be a better ally, to promoting diversity in the workforce from the top down.

Working in collaboration with LGBTQ+ organisation Racing Pride, the team generated discussions and awareness with the aim of inspiring change through education and direct action and sported a revolutionary new livery with the Progress Pride flags proudly displayed on the diffuser and headrests. For the remainder of Season 8 they moved the Progress Pride flags to key locations of the inside of the halo and either side of the nose of their cars as a reminder of their support for greater equality in motorsport.



# 6.4 CREATING VALUE THROUGH VALUES

## Awards and recognition



### ISO 20121

First and only motorsport series to hold ISO 20121 certification, successfully implemented for the Championship in 2018 and successfully re-certified in 2021

FIA Environmental Accreditation Programme - Three-Star

First Championship to be awarded this at Three-Star level in 2015 with successful renewals in 2018 and 2021 and to be carried out also in December 2022



### FIA ENVIRONMENTAL ACCREDITATION PROGRAMME - THREE-STAR

First Championship to be awarded this at Three-Star level in 2015 with successful renewals in 2018 and 2021 and to be carried out also in December 2022

### GLOBAL SUSTAINABILITY BENCHMARK IN SPORTS

Recognised via data analysis as:

- ▶ Winner Best Total Performance 2022
- ▶ Winner Best Corporate Performance 2022
- ▶ Winner Best Environmental Performance 2022
- ▶ Winner Best Governance Performance 2022

### SPORTS BUSINESS AWARDS

Sustainability In Sport Award: Winner

### THE DRUM AWARDS, SOCIAL PURPOSE

Best Celebrity/Influencer Brand for Good Partnership: Nominated

### THE RACE MEDIA AWARDS - MOST INSPIRING CAMPAIGN AWARDS

UNICEF Take A breath campaign: Nominated (Winner still to be decided)



*FORMULA* **e**