

GEOSPATIAL SERVICES

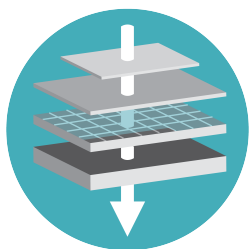
Innovate! is more than a geospatial provider. We bring over 25 years of success in providing both GIS and IT services to create holistic, enterprise solutions. Innovate! understands the nuances, inter-relationships, and multiple overlapping facets – not just systems – between geospatial and IT components. The winner of the *2018 Esri Federal Small Business Award for Innovation*, Innovate! brings this expertise to highly complex, multi-phase engagements to quick-turn assignments that require immediate mobilization – all with the same commitment to superior outcomes.



ENTERPRISE ARCHITECTURE AND STRATEGY

- Desktop Solutions (ArcGIS extensions, scripting/automation, ETL tools)
- Web-based Solutions (ArcGIS Server, ArcGIS Online, Google Maps, Bing, OpenLayers)
- Mobile Solutions (GPS, Smartphone, Tablet)
- Application Operations and Maintenance (Monitoring and Load Testing)

- Cloud Solutions and Service Oriented Architecture
- Security Planning and Review
- Change Control and Content Management
- Emergency Response Planning and Preparedness
- Hardware/Software Standard Configuration Development
- Geospatial Policy and Standards Development



GIS SUPPORT

- Geospatial Metadata Portal Implementation and Customization
- Geospatial Metadata Management, Strategy, and Workflow Training
- Custom Metadata Software Development
- Project Open Data and ISO 19115 Implementation

GEOSPATIAL APPLICATION DEVELOPMENT



- Data Design, Development, and Management
- Image Processing, Multispectral and Hyperspectral Analysis, Multidimensional Rasters
- Thematic Mapping and Cartographic Design
- GIS Helpdesk Support (Installation, Licensing, and Debugging)
- GIS Training

GEOSPATIAL METADATA





Perform. Excel. Elevate. Innovate!

PROVEN PERFORMANCE

As a woman and minority owned small business, Innovate! is proud to assist state and local organizations. We understand the competing priorities and complex problems faced with technologies and work directly with stakeholders to tailor solutions to their specific requirements. A sampling of our portfolio includes:

City of Philadelphia - IT Support: Innovate! provided on-site support to the Philadelphia Water Department (PWD) Bureau of Laboratory Services (BLS). We supported IT initiatives supporting water quality data management, analysis, and event detection. We supported the development of an application to integrate data analysis and a management system using **Visual Studio and ASP.Net**.

Kootenai County - Upgrade and Configuration of ArcGIS Server, ArcGIS Portal, Public GeoViewer Development: Innovate! facilitated the upgrade and configuration of an **ArcGIS Server** 10.3 environment to ArcGIS for Server 10.4.1 and **Portal for ArcGIS** 10.6. ArcGIS Server was upgraded to 10.4.1 per the client's limited CADD system capacity, while Portal for ArcGIS 10.6 was installed to give the county a robust feature set. In addition, **Web AppBuilder for ArcGIS Developer** Edition 2.8 was used to upgrade the county's Silverlight GeoViewer application.

City of Plummer - GIS Data Modeling: Innovate! developed a GIS data model for the City's electrical distribution system. We performed inventory, system management, and system analysis activities. Innovate! recommended converting the existing paper utility maps to digital. We built a cloud-based GIS system using **ArcGIS Online**. We created the ArcGIS Online Web Map with a web application showing pole locations via a GPS-enabled mobile device, and 1st and 2nd pole replacement priority based on the Alamon pole-condition data contained in an spreadsheet (1500 poles). We built web maps in the **ArcGIS Collector** application and developed editable feature class services.

Chesapeake Bay Program (CBP): the CBP is responsible for collecting, storing and distributing environmental monitoring data for the entire Chesapeake Bay watershed. To optimize the CBP data infrastructure, Innovate! deployed an ArcGIS Enterprise (ArcGIS for Server, Portal for ArcGIS, ArcGIS Data Store) on **Amazon Web Services (AWS)** using the ArcGIS Enterprise Cloud Builder Command Line Interface (CLI) for AWS, an intuitive tool for automating cloud deployments of ArcGIS Enterprise. AWS enables high availability and elastic load balancing for geospatial data analysis and hosting while providing centralized storage for terabytes of data.

City of Ponderay - Configuration of ArcGIS Online, Hosted Data, and Web Viewers: the City had no existing GIS infrastructure nor funds to support an in-house system; Innovate! recommended ArcGIS Online and Collector. We migrated data to the City **ArcGIS Online** account and set up users/groups. Innovate! digitized zoning maps using the county parcel layer as the base-layer. The data layer contains attributes indicating the zoning classification, link to online code sections, and other fields. The City replaced printed maps with planning and zoning data in dynamic GIS layers. We provide ongoing technical support (e.g. changes to web applications, mobile field collection solutions, etc.)

Bonner County - Parcel Conversion: Innovate! consolidated Hand Drawn Line and **AutoCAD** maps into a GIS. We adjusted business process for land record document processing, implemented AutoCAD drawing standards, and automated the conversion and spatial referencing. Innovate! trained the County staff to maintain the data enabling self-service options to customers through the web application.

