

Digital Solutions for Renewable Energy

Designing and Delivering Advanced Tools to all Energy Sectors

Langan's Digital Solutions team leverages the latest software, data management, and analytical applications to support the full life cycle and management of renewable energy facilities and service providers. Our team provides easy to use solutions to address our clients' challenges through enriched workflows and data insights, while controlling costs, enhancing the quality of our deliverables, and increasing overall project efficiencies through:

- Site Selection & Location Intelligence
- Planning & 3D Conceptual Design
- Construction & Development
- Operational Management
- Policy & Compliance
- Utility Scale Customer Management



Solar



Wind



Geothermal



Storage



Green Hydrogen



Electric Vehicle (EV) Charging



Substations & Transmission Lines



Community Choice Aggregation (CCA)

Core Capabilities

Our consultants provide an integrated technology approach that enables us to deliver highly efficient and scalable solutions throughout the lifecycle of an asset.

- **System & Solutions Assessment**
to evaluate existing enterprise software systems deployed to maximize return on investment
- **Implementation & Integration**
of spatially enabled and leading asset and facility management systems
- **Configuration, Development, & Deployment**
of GIS, work management, capital planning, and compliance reporting tools
- **Managed Services**
including administration, maintenance, training, and technical support for hosting environments, enterprise systems, and solutions

Areas of Expertise

- **Site selection, Location Intelligence, Capital Planning and Resource Allocation**
- **Building Space Planning and Management**
- **Asset Inventory, Asset, and inspections**
For buildings, utilities & production facilities
- **Environment, Health, and Safety Compliance**
- **Emergency Operations Response and Planning**
With Risk Analysis, Emergency & Incident Response
- **Security Operations** with Security system integrations
- **UAS / Drone Data Collection**
Scanning & Drone Data Collection, Imagery Analysis & GeoAI
- **Mobile Apps & Field Operations Enablement**
- **Operations Status & Performance Dashboards**
Type, Status, Conditions, Real-time Analytics & Reporting
- **Integrated 3D and Realty Capture**
Siting, concept planning & public engagement
- **Indoor Mapping, Analysis, and reporting**
With ArcGIS Indoors Specialty
- **Routing and Wayfinding Apps**
For Operations Management
- **Utility Mapping and Network Management**
- **ArcGIS Solutions for Utilities**
- **ArcGIS Solutions for Facilities**
- **ArcGIS Solutions for Public Safety**
- **ArcGIS Solutions for Architecture, Engineering and Construction (AEC)**

We work with our clients to deliver services and solutions that help:



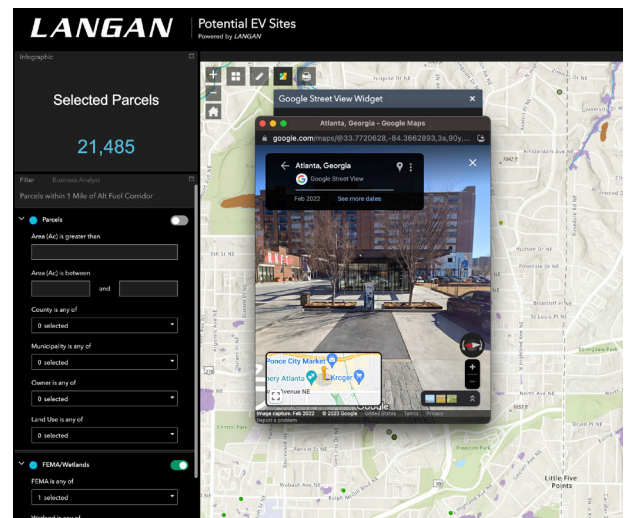
REDUCE RISK



CONTROL COSTS



INCREASE PRODUCTIVITY



Microsoft
Partner



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