

Enable Geospatial Data as Strategic Assets

The Hidden Cost of Poor Geospatial Data

Enterprises and programs struggle to unify data, ensure interoperability, and deliver reliable, decision-ready intelligence despite years of collection and investment.

- **Fragmented and inconsistent** geospatial data across incompatible systems brings challenges for trust, integration, and scale for enterprise use
- Manual **resource-intensive workflows** slow updates, reduce data quality, and limit an organization’s ability to perform analysis or support mission operations
- **Outdated schemas, missing metadata, and siloed data** hinders coordination across programs and between partners for authoritative and interoperable data
- **Legacy geospatial environments** struggle to support advanced modeling, analytics, and decision-support tools for operational needs

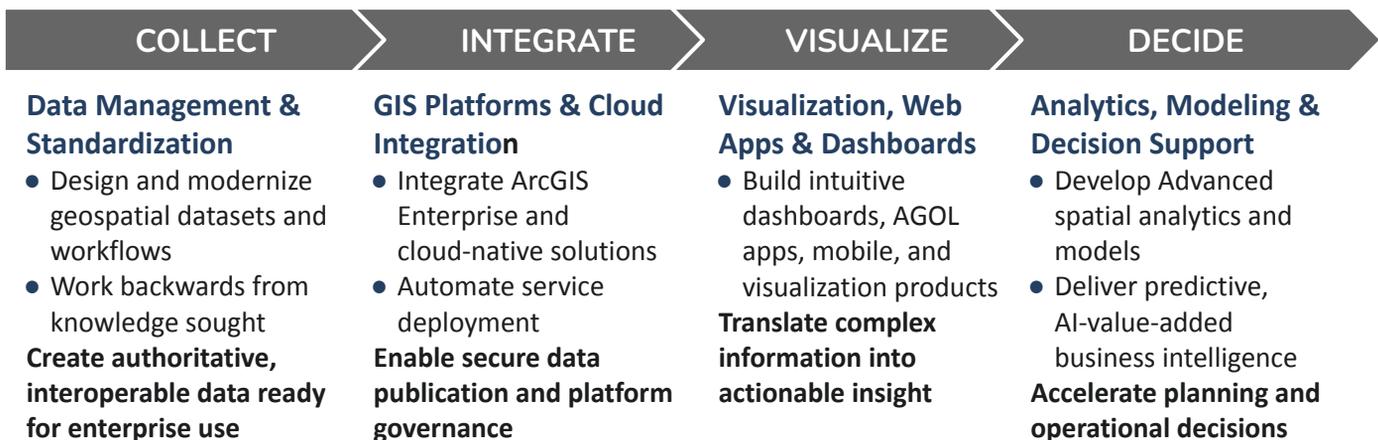
Data Subject Expertise

- Land & Environment
- Forest & Timber
- Energy & Utilities
- Wildland Fire
- Physical Assets
- Earth Science
- Health
- Geospatial Metadata

Turn Geospatial Barriers Into Strategic Advantage: From Raw Data to Real Insight

Our decades of support for National and State Geospatial Programs (FGDC, USFS, BLM, USGS, DOI, Colorado, CDOT, more) have yielded patterns of expertise to accelerate the most complicated geospatial solutions, data integration and services. We turn complex location information into high-quality, integrated, decision-ready intelligence to strengthen planning, operations, and business needs.

We modernize big, fast geospatial datasets, platforms, and workflows into analytic ready solutions



Meet with Xentity



Example Solutions



Fire Data Modernization to Drive Faster Safer Decisions

The Nation Wildland Fire Enterprise Geospatial Portal (EGP) aggregates, standardizes, and manages authoritative fire-related geospatial data for use across planning, mitigation, response, and recovery.

Our team supports application development, service integration, data pipelining, infrastructure, and wildland fire geospatial subject matter expert informed design. Solutions streamline 100s of real-time national data sources to support multiple applications in Aviation, Initial Attack, Situation Awareness, Resource Tracking, Fire Progression, Real-time Weather, Camera Viewsheds, Aircraft Intel Mapping, Heat Detections, Treatments & Fuels, History, and more

Transforming BLM Land and Mineral Records for the Digital Era

The MLRS Strategy effort evaluates and modernizes BLM's land and mineral case record systems to create an integrated, efficient, and mission-ready framework for data and workflow transformation.



Xentity partnered with BLM to assess and modernize its Land and Mineral Records System, mapping current workflows, identifying gaps, and defining a future-state architecture. Serving as the project's sole geospatial integration expert, Xentity developed geo-enabled tools that added capabilities not currently in present Land Records systems and guided the design of the first National Land Status Database. The resulting strategy outlines how to integrate case data, standardize workflows, and improve the handling for claims, leases, and rights-of-ways via efficient and user-centered system.



Powerline Data Transformation for Safer, Smarter Decisions

Among 50 solutions for the U.S. Forest Service (USFS), this regional powerline dataset aggregates, standardizes, and unifies disparate utility and infrastructure data into an authoritative geospatial layer supporting planning, risk analysis, and operational decision-making

We developed an authoritative powerline dataset for the USFS by transforming fragmented, inconsistent source data into a unified geospatial layer for fire, risk, and infrastructure analysis. We standardized schema, corrected topology, aligned attributes across regions, and applied rigorous QA/QC to ensure reliability for planning, modeling, and operational decision support. This demonstrates our ability to modernize complex geospatial datasets to turn diverse inputs into integrated, information which strengthens situational awareness and decision-making.

About Xentity

Xentity is a leading Large Data Program Integrator specializing in geospatial, open, big data, IoT/remote sensing, and voice data. Over 20 years of experience, we have served a diverse client base of over 300 clients.

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