

GIS AND DATA ANALYTICS

GEOSPATIAL SOLUTIONS

EN Data Solutions offers extensive experience in the fields of data integration and analytics. We combine our energy industry, GIS, and data management expertise to assist our clients in building data systems that meet the specific needs of their organization, industry, and sector, taking into account their business drivers, regulatory environment, and operational practices. Through improved data management, our clients increase efficiency, plan targeted programs, make educated decisions, and systematically improve their data quality, which helps them meet and exceed their business goals.

Our team is experienced with technologies and concepts that allow us to provide optimal solutions related to data integration, data analysis, mapping, and all facets of GIS and data applications for the pipeline and utility industries. Our knowledgeable analytics professionals ensure that the services and products we provide are suited to the needs of the specific sector while drawing on best technical practices for data systems.



ENTRUST Solutions Group is an **ESRI Silver Partner** and has worked extensively in both Smallworld and ESRI GIS systems. We support a wide array of GIS, mapping, and CAD platforms and operate the latest versions of software platforms, as well as older legacy software. EN Data Solutions develops mobile, desktop, and web-based interfaces, allowing users to make the most of their spatial and non-spatial data.

SERVICES

Strategic System Consulting and Implementation

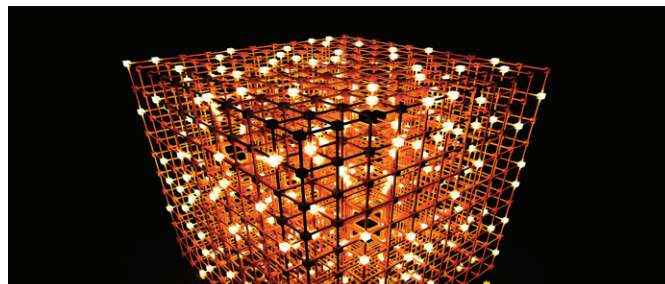
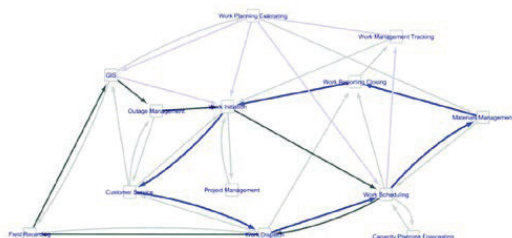
- Review business processes
- Conduct system gap analyses
- Initiative prioritization
- Data system road map development
- Data system architecture modeling
- Data structure modeling
- Standards development
- Data model (PODS/UPDM) migration planning
- Workflow mapping
- Strategy workshops
- Team training

Custom System Development

- Build GIS modules enhancing current workflows and processes
- Build analyses modules to extract value from the GIS data
- Risk assessment modules
- Standardized reporting modules
- Standardized calculation modules
- Data verification modules
- Advanced analysis development
- Machine learning implementation
- Dashboards and reporting

Data Management Services

- ETL process development
- Data maintenance
- Data enhancement, extension, and integration
- Data migration
- Data QA and verification
- Manual data entry and review
- Data verification automation
- Standards implementation and auditing



Our Technologies/Systems

- esri®
- GE Smallworld
- Safe Software-Feature Manipulation Engine (FME)
- Blue Sky Lightning GIS and JambWOW
- AutoCAD® and MicroStation
- Synergi Flow Modeling
- Microsoft SQL Server Enterprise
- Object oriented programming languages
- NET applications
- TensorFlow, Keras and Scikit-Learn
- Power BI and Tableau
- Flo2d Pro

Typical Products

- Database design and system configurations
- Database maintenance and implementation
- System rollouts and support
- Data driven spatial risk assessments
- Audit support
- Data conversion and migrations
- Enterprise system interfaces
- Disaster planning and preparedness
- Business modeling and “What if?” scenarios
- As-built data processing and drawing
- Automatic pipeline alignment sheet generation
- Fleet routing optimization
- Subsurface Utility Engineering (S.U.E.) Level B
- Mapping services
- Pipeline and utility routing and design
- Pipeline regulatory compliance
- Right-of-way, easement, and wetland delineations
- Rubber sheeting and conflation
- System and hydraulic modeling
- Field data capture
- System of record strategy development
- Data management planning