



Digital Energy

GeoSpatial Analysis (GSA) Portfolio

FROM NETWORK INFRASTRUCTURE DATA TO VALUABLE INSIGHTS

GeoSpatial Analysis solutions provide a comprehensive framework for data analysis and reporting on utility and telecommunications network infrastructure, analyzing and displaying information as interactive maps, reports, and dashboards.

BUSINESS CHALLENGE

Accessing and aggregating network infrastructure data and combining it with other business information is critical for understanding a network's actual state and development over time.

This synergy of information provides the foundation that empowers an organization to apply its resources effectively for network extensions, inspections, maintenance tasks, and incidents.

REAL RESULTS

Up to 50%

More effective budget allocation for network asset replacement.

Up to 30%

Reduction in outage and damage compensation.

Up to 90%

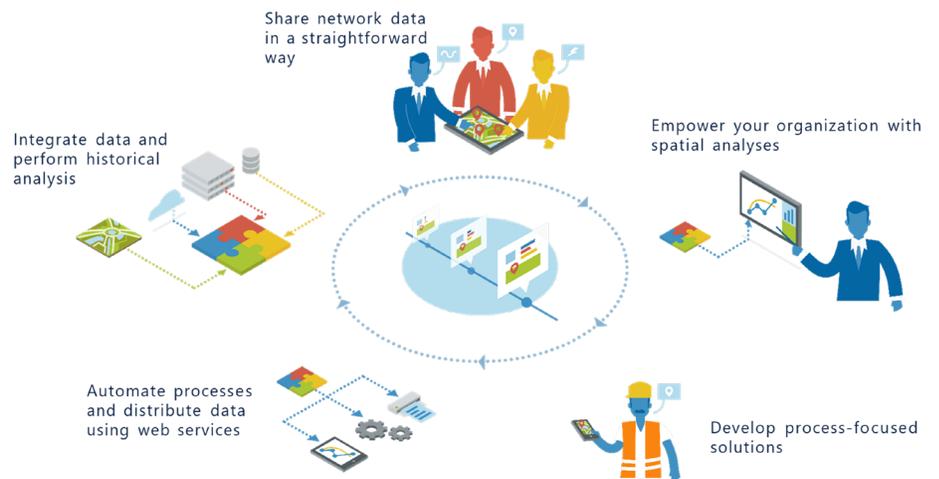
In time saved for regulatory report generation.

OVERVIEW

Exploring patterns in network infrastructure to overcome business challenges

Creating a system of record with sophisticated models of your utility or telecommunications networks is a solid first step. Now put the wealth of information included in those models to work improving your business operations.

Taking the essence of your network infrastructure and combining it with other business information enables your organization to get answers to questions that would remain unanswered if data stayed locked in their silos. Accessing and aggregating network infrastructure data will help you understand your network's actual state and development over time. This knowledge empowers you to apply resources effectively in handling network extensions, inspections, maintenance tasks, and incidents.



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GSA PORTFOLIO SOLUTIONS



GSA Desktop Editions

Deploys a desktop solution for everyone throughout the enterprise that provides easy-to-use visualization, analysis, and reporting tools on network infrastructure assets.



GSA Lite

Targets a wide audience with a user-friendly web application for straightforward review of network infrastructure maps, queries, analyses, and reports.



GSA Warehouse

Shapes and combines network infrastructure information, applying best practices from the data warehouse domain to all geospatial and alphanumeric data sources.



GSA Business Services

Builds an enterprise-wide data as a service framework, to deliver geospatial information to other systems based on open standards and to manage repetitive tasks like compiling reports.

VALUE DELIVERED

Optimize Resource Management

Maximize network capacity management by identifying areas where network construction or maintenance will be required to meet future demand.

Meet Reporting Demands

Save time and effort in creating ad hoc management reports as well as scheduled reports needed to meet regulatory or financial requirements.

Support Crisis Management

Make well-informed emergency decisions based on in-depth insights into network infrastructure location and attribution in times of incidents or failures.

Deliver Effective Sales Campaigns

Combine network infrastructure information with demographic and other data to identify highest-value prospects close to existing network infrastructure.

Provide Historical Insights

Understand how network infrastructure has developed over time to aid in planning network extensions, inspections, and maintenance tasks.

GE's GeoSpatial Analysis takes the essence of network infrastructure and combines it with other business information to help organizations find answers to questions that would remain unanswered if data stayed locked in their silos. It promotes a greater understanding of utility and telecommunications networks, which is instrumental in making better-informed decisions about network operations.

Contact Us

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