SOLUTION SHEET

POWER VISUALIZATION CAPABILITIES

- Generate maps in raster or vector formats
- Transport and render maps via the Web using scalable vector graphics (SVG)
- Query a database and see information described in a map
- Click on a map feature or area and view selected database information about that particular feature
- Navigate through large quantities of information with simple interfaces
- Create thematic maps
- Perform hot-spot analysis to identify problem areas

POWERFUL ANALYSIS TOOLS

- Leverage powerful spatial analysis functionality via the Web
- Perform sophisticated spatial queries
- Identify trends using historical outage information
- View key performance indicators (KPIs) over time
- Create summary of cause reports for historical outage information
- Forecast manpower needs
- Review crew GPS logs to view information such as routes, mileage, and average speed
- Utilize other Web services such as geo-coding, real-time weather information, and routing

ENTERPRISE WEB PORTAL

Intergraph’s Enterprise Web Portal solution, based on our GeoMedia® WebMap technology, is a visualization and analytical tool that offers an open, scalable, Web server solution to share business intelligence and geospatial data across the enterprise and with your customers. With this solution, you have fast-and-easy access to integrated data within a geospatial context. The portal is data-independent and works directly with information from a variety of sources.

The Enterprise Web Portal utilizes a Web template based on the industry’s best practices for reliability reporting. The template incorporates interoperable Web services and open standards so you can share data and functionality without custom programming. The Web Portal allows the integration, aggregation, and overlay of utility asset information from a geographic information system (GIS) from Intergraph or other vendors. With our solution, you can rapidly implement a Web portal to visualize and analyze geospatial assets with nothing more than a standard Web browser.

As a utility, you want to streamline operations and ensure your employees have up-to-date information. Our Web Portal solution gives you immediate access to disparate data sources online. It equips you with geospatial query, analysis, and visualization tools that enable you to analyze, assess, and formulate decisions in support of core business objectives.

With instant access to information, you have the ability to make better and faster decisions, whether it’s related to outage management, resource and workforce management, financial management, economic development, or other areas. This can offer your organization significant time and cost savings. Intergraph’s Web Portal solution is configured for rapid implementation to help you gain a quicker return on your investment.

Intergraph’s Enterprise Web Portal allows you to build customized reports, including graphs, charts, executive dashboards, and other displays, as well as map-based information that enhances your analysis. For example, utilities can report on power outages and duration, reliability, and availability, as well as show locations of outages and other incidents. This allows you to meet regulatory reporting requirements and keep executives and the public informed.
FEATURES AND BENEFITS

- Identify and monitor all areas of your business to ensure they are performing at a level that will allow you to achieve your business objectives
- React and take corrective action when one or more of your key performance indicators underperforms
- Automate your key performance indicators, which can help you:
  - Increase bottomline revenue
  - Promote greater business insight, more informed decision-making, and better results
  - Identify and correct trends before they become an issue
  - Reduce labor effort and overhead costs
  - Eliminate duplicate data entry
  - Quickly develop detailed, accurate, analytical reports

ARCHITECTURE

The solution is based on GeoMedia WebMap, one of the first Web-based map visualization and analysis software tools ever offered. GeoMedia WebMap is scalable, so you can expand your system without rebuilding it. The Web Portal:

- Uses database-driven configuration for the display of map feature contents so you can easily add features to the map, change symbology, or control tooltips and actions
- Utilizes standard data aggregations where points are aggregated with polygons and summarized reports are based on spatial areas
- Uses industry standards for reports – IEEE reporting and outage analysis reports

ABOUT INTERGRAPH

Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph's industry-specific software to organize vast amounts of data into understandable visual representations and actionable intelligence. Intergraph’s software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world.

Intergraph operates through two divisions: Process, Power & Marine (PP&M) and Security, Government & Infrastructure (SG&I). Intergraph PP&M provides enterprise engineering software for the design, construction, and operation of plants, ships, and offshore facilities. Intergraph SG&I provides geospatially powered solutions to the defense and intelligence, public safety and security, government, transportation, photogrammetry, utilities, and communications industries.

For more information, visit www.intergraph.com.