



Capabilities in Support of Disaster Recovery Projects

ABACUS TECHNOLOGY IS A LEADING PROVIDER OF INFORMATION MANAGEMENT SERVICES, SUPPORTING VARIOUS DoD AND FEDERAL AGENCY CUSTOMERS FOR MORE THAN 35 YEARS.

Geographic Information Systems and Data Analytics Support

- **Global Positioning System Data Collection and Analysis for US Army and Air Force** – Used Trimble GeoXT handheld GPS units to collect and display accurate geospatial data of cable installation pathways and attributes for ready reference in responding to emergency repair work orders. Integrated data with AutoCAD to produce ArcGIS files of up-to-date as-built drawings. Expert system training provided upon request.
- **Remote Sensing Engineering for Kennedy Space Center** – Developed and maintained GIS-based modeling and analysis applications that monitor rocket vibrations and remotely track sensor data to surveil the toxicity of rocket launch plumes in support of any necessary remediation measures.
- **Natural Gas Supply Chain Visualization for Energy Information Administration** – Led requirements analysis and development planning for an intuitive, web-based tool to aggregate, store, and access natural gas pipeline data from internal and external sources. Modernized architecture improved processing efficiency when responding to ad hoc queries for market analyses and forecasts or presentations of daily supply volumes and historical trends.

Program Management Advisory and Assistance Services

- **Project National Shield for Army ARDEC** – Supported enterprise architecture design and development to implement a common role-based capability that enabled National Guard and Intelligence Community stakeholders to mine, analyze, and visualize actionable information compiled through multiple GIS data feeds.
- **Pandemic Preparedness for DOI Bureau of Safety and Environmental Enforcement** – Established an emergency communications plan, including exercises and drills, with redundant information dissemination platforms to support employee response and mission essential service recovery during pandemic outbreaks.
- **Emergency Operations Center for Johnstown, PA** – Assisted with gathering first responder user requirements for an enhanced, interoperable communications management solution. Also supported product validation and operational testing of communications equipment.

CONTACT / CONTRACT INFORMATION

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