



Integrated Disaster Management System (IDMS) for the Power Utility Industry



Raytheon's IDMS system monitors key components of the power utility infrastructure and reduces unplanned equipment downtime by enabling a rapid, coordinated response.

Benefits

- Saves power utility companies millions of dollars by reducing unplanned equipment downtime and effectively managing response personnel
- Delivers actionable information and awareness to and from field operations
- Provides interoperable voice and data communications
- Integrates multiple sensors, data sources and decision analysis tools
- Supports rapid integration of new information databases and sensors
- Employs standards-based, service-oriented architecture
- Scalable from local to worldwide applications
- Employs user-configurable tools for workload reduction

Prevention of Large-Scale Outages

The electric utility infrastructure in the United States is not only vulnerable to malfunction, but also acts of terrorism, sabotage and vandalism. On a small scale, system disruptions may be resolved quickly, but on a large scale, system disruptions can compromise an entire power grid. The result can be lost service to millions of customers.

Raytheon's IDMS proactively monitors key components of the power utility infrastructure. It also unites into one system the key capabilities a decision maker needs to effectively manage a disaster.

A Total System Solution

IDMS provides total system visibility and resource management capabilities during a disaster. Based on proven technologies, this approach fuses data into a high-fidelity situational awareness picture, which can be communicated to the appropriate emergency responders using interoperable communications.

Leading-Edge Command and Control Technology

Raytheon's Command and Control system is the backbone of this cutting-edge Integrated Disaster Management System for power utilities. Raytheon uses a modern, extendable, open framework that works with a wide range of sensors

to connect the operations center and enterprise systems. It is easily extendable and compatible with service-oriented architecture-capable tools. IDMS supports the use of many off-the-shelf components for additional capabilities. It also enables organizations to be NIMS- and ICS-compliant by utilizing resource tracking and organization management tools.

Integrated Disaster Management System (IDMS) for the Power Utility Industry

Provides Timely Situational Information

Rapid, coordinated response to natural and man-made disasters is critical to disaster containment, the reduction of economic and environmental impacts, and the allocation of resources. In disaster situations, emergency response management personnel require accurate and timely situational information, interoperable communications incorporating efficient data sharing, and effective resource coordination.

Improves Decision-Making Through Actionable Information

The Raytheon Integrated Defense Management System allows effective centralized command and control during an emergency by creating an integrated view of field observations, maps and satellite imagery. This data, combined with pertinent resource-tracking information, provides a high-fidelity situational awareness picture that can be shared with field personnel.

The system also facilitates easy sharing of actionable information among first responders and military response teams by providing interoperable voice and data communications across disparate communication systems. These features exponentially improve the speed and accuracy of interagency decision-making, as well as response and intercountry coordination.

Enables Unparalleled Coordination

Raytheon IDMS' situational awareness, interoperable communications and information-sharing capability among disaster participants acts as a force multiplier and rapid response enabler during the fast-paced environment of emergency response management. This capability enables unparalleled coordination among decision-makers and responders.

Capabilities

- Accurate and timely situational awareness information incorporating updated satellite imagery married with responder locations and other resources
- Ability to incorporate live data feeds from a multitude of sensors — atmospheric, seismic, surveillance, tsunami, chemical/biological/radiological and historic data
- Interoperable communications among disparate communication systems utilizing demonstrated technology
- Ability to send and receive field data
- National Incident Management System (NIMS)/Incident Command System (ICS) resource tracking and organization management
- Visualization of risks and damage assessment
- Ability to easily connect to existing SCADA systems
- Training and planning functions with “what if” incident simulation capability



Raytheon Company
Integrated Defense Systems
50 Apple Hill Drive
Tewksbury, Massachusetts
01876 USA

www.raytheon.com

Raytheon

Customer Success Is Our Mission