Comprehensive Emergency Management System - Multidisciplinary Solution for Emergency Preparedness, Management & Control

The Challenge

Natural disasters; multiple-casualty accidents; terrorist attacks. These scenarios present great challenges for organizations responsible for handling national, regional or local emergencies, due to their sudden occurrence, extent of damage to human life and property, and short- and long-term effects on the victimized area and its population.

Such organizations are obliged to minimize the loss of human life, property, infrastructure and deal with long time effects such as sanitary and health conditions and crime.

All these organization, irrelevant of its echelon or of the size of the disaster, are dealing with the same ongoing process: (1) Routine (Predict, Plan, Prepare) (2) mitigation and management the event itself (3) Recovery and (4) debriefing.

In order to meet these needs, support the entire cycle and move transparently from routine to emergency, Ness came up with its EMS solution: Comprehensive Emergency Management System - Multidisciplinary Solution for Emergency Preparedness, Management & Control

The Solution

Ness TSG field-proven Emergency Management System (EMS) is a multi-disciplinary solution that help save lives, property and infrastructure by providing an overall Coherent Common Operational Picture (COP), improves response time and allows decision makers to take better decision based on online information.

The EMS ensures resources optimization and overall cost reduction.

The EMS command-and-control system is customized according to the specific needs of each organization. It is modular, hence can be easily adapted to reflect its operational environment and operational concept. EMS covers the full breadth of a country's national/local emergency and first responders' teams, from governmental bodies, rescue crews and emergency service organizations to police, firefighters, ambulances and others.

EMS is interfaced with any other information and command & control systems in the nation, or any of its sensors, and has the capability and tools to support processes in managing the emergencies - prior to their occurrence and until their conclusion

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**Highlights**

- Displays a single, accurate, updated situation picture at all levels at any given time
- Creates and manages common operational picture built from multiple diverse data sources
- Supports situation assessment process, analyzes situation picture, plans response and predicts results
- Plan, Assigns, directs and monitors required resources
- Investigates and reconstructs events via data storage and recording capabilities
- Supports debriefing and training of decision makers at all levels
- Seamlessly connects to legacy systems at the agencies
- Runs on generic rugged computers, incorporates digital maps and GPS devices for maximum orientation and real time force tracking
- Real time data and video streaming from all field forces
- Autonomous and flexible
- Sophisticated communication mechanisms designed to support hectic events
- Field proven

**Benefits**

- Saves life, property and infrastructure
- Faster and improved response to emergency scenarios
- Optimized rescue operation planning and resource allocation

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TSG is a global provider of C4ISTAR solutions. With over four decades of experience, TSG specializes and has a proven track record in designing, developing, supplying and integrating advanced, comprehensive and highly innovative solutions and systems for the defense and homeland security sectors. Dedicated to delivering cutting-edge, best-of-class solutions, TSG serves a diverse client base of governmental organizations worldwide. For more information about TSG, visit [http://www.tsgitsystems.com](http://www.tsgitsystems.com).