



## Benefits

- Achieve compliance with standards.
- Institutionalize ICS with in the organization.
- Automation for emergency preparedness and incident management functions.



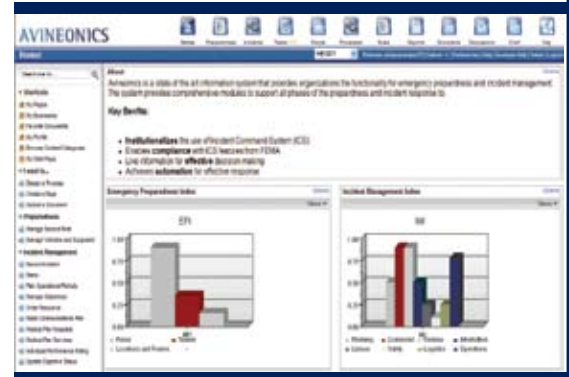
## THE CHALLENGE

In March 2004, the Secretary of Homeland Security, at the request of the President, released the National Incident Management System (NIMS), a comprehensive system that improves emergency response operations through the use of the Incident Command System (ICS) and the application of standardized procedures and preparedness measures. These tools promote development of cross-jurisdictional, statewide, and interstate regional mechanisms for coordinating response and obtaining assistance during a large-scale or complex incident.

NIMS compliance is a community-wide effort. In addition to emergency management, fire, and medical services, incident response organizations include utilities, local public health, public works, private sector entities, non-governmental organizations, hazardous materials, and others.

The Incident Command System enables these organizations to develop the foundation for an effective response, but a paper-based or manual ICS is inefficient. ICS requires emergency preparedness and optimized collaboration, communication, and documentation among the response teams responsible for:

- Planning
- Logistics
- Operations
- Finance and Administration
- Information Management
- Liaison
- Safety



## THE AVINEON SOLUTION

Avineonics® is a state-of-the-art information system that enables organizational entities to prepare, organize, manage, execute, and document emergency preparedness and incident management functions in an automated manner.

The system also offers integrated mapping functionality with support for ICS features such as *Pre-Designated Incident Locations* and *Facilities*, as well as charts functionality supporting *Chain of Command*, *Unity of Command* and *Manageable Span or Control*.

Avineonics provides standardized electronic forms for inputting data and utilizes intelligent business logic to orchestrate critical functions such as resource check-in, check-out, objective assignment, performance rating, and more. All system transactions also receive a date and time stamp, building a traceable repository for auditing.

Avineonics conforms to FEMA published guidelines, supports second roles management, and all fourteen features of ICS. With an accessible and easy-to-use interface, Avineonics provides highly effective response management and ensures organizational compliance with standards.

*Continued on reverse side*

## Applied Technologies

- Web
- Portal
- E-Mail
- Geospatial
- Visualization
- Business Process Management



ISO 9001:2000 REGISTERED  
CMMI MATURITY LEVEL 3

*Avineonics® is a state-of-the-art information technology system providing comprehensive functionality for emergency management.*

**EMERGENCY PREPAREDNESS**

**DASHBOARD** provides a summary of readiness to respond to an incident.

**INTERACTIVE MAPS** provides tools to navigate, locate and create an incident map. The tools also include the ability to show details such as staging area, helipad, etc.



**LIVE CHARTS** provide online charts based on resource check-in, check-out and transfer of command functions. The organization charts are refreshed instantaneously and show the contact information for each resource.

**INCIDENT RECORDING** provides the ability to record and validate an incident.

**INCIDENT PLANNING** includes the development, review and approval of an Incident Action Plan (IAP) along with communication, medical plans, etc.

**INCIDENT OBJECTIVES** provides the ability to develop, review, and approve detailed objectives for each operational period.

**RESOURCE ORDERING**

provides a centralized and automated way to order resources among the participating organizations. Supports request, review, confirmation, and denial process.

**LAUNCH OPERATIONS** provides the ability to launch operational periods.

**TASK ASSIGNMENT** provides a documented approach for assigning response tasks to units and individuals.

**INCIDENT DASHBOARD** provides a summary on the latest status of an incident.

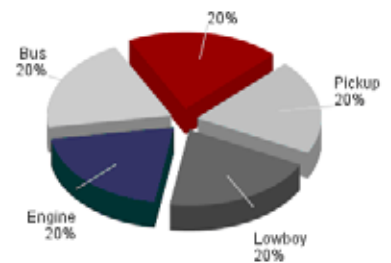
**RESOURCE CHECK-IN** provides an online system for resources to check-in for an operational period.

**SECONDARY ROLES** provide the ability to register employees and their trained roles for emergency preparedness and incident response.

User	Section	Level	Title
Akhilsh Kaushik	Operations	Division/Grp	Chief
Anil Jayaraman	Operations	Unit	Director
Bing Mei	Finance/Admin	Division/Grp	Lesson Officer
Charles Dindrich	Logistics	Division/Grp	Public Information Offc
Debra Withner	Operations	Division/Grp	Supervisor
Diane Kelly	Finance/Admin	Unit	Single Resource Safety Officer
Gary Wilkison	Operations	Division/Group	Leader
Hee Sun Chung	Logistics	Division/Group	Chief
Joe Buckler	Operations	Unit	Leader

**PERFORMANCE RATING** provides an online checklist to rate the performance of resources.

Vehicle and Equipment Summary



**VEHICLES AND EQUIPMENT**

provides the ability to manage critical vehicles and equipment for emergency preparedness and incident management.

**CONTACTS** provide a centralized database for points of contact at external organizations, including media, local, state, and federal agencies. The database serves as ready reference to initiate communications rapidly.

**RESOURCE CHECK-OUT** provides an online system for resources to check-out of an operational period.

**DEMOBILIZATION** provides a mechanism to demobilize resources from the incident.

**LESSONS LEARNED** provides a platform to identify and document lessons learned.

**DOCUMENTATION** provides an automated log of all significant response activity. Incident documentation is archived into a secured and centralized library.