

# TIGER IM™

## Web-based Incident Management Solution

TIGER IM™ stands for Toolkit and Integrated Guides for Emergency Response Incident Management and is a web-based Command and Control solution. It is designed to address the needs of Military and Civilian Incident Commanders to provide a joint common operational picture. TIGER IM™ can also be used as a framework for bespoke web-based applications that have been designed to the exact requirements of the client.



The system allows greater flexibility and interoperability between agencies when managing threats or incidents and is a completely modular software solution.

TIGER IM™ provides a holistic approach by using web-based service oriented architecture to produce a single relevant informational display that can be shared by multi-agencies to enhance situational awareness.

### Add-on Modules:

- **Medical Surveillance** - Allows casualty monitoring and tracking using web-based tools.

*Listed below are additional external models that could be integrated into the software upon a client request.*

- **Forest/Bushfire simulation software** - decision support application designed to assist fire controllers in predicting the likely spread of a fire under forecast weather conditions.
- **Outdoor Fire plume models** - predicts the downwind distribution of smoke particulate and combustion products from large outdoor fires.

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## Key Features

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### Incident Management

The system has direct weather feeds for plotting hazard areas in different units of measurement depending on the user's requirements. A visual geospatial picture is provided by the use of Google Earth/Microsoft Virtual Earth™ or OpenMap. All assets within a hazard can be warned by geofencing the affected area.

### CBRNE Toolkit

TIGER IM™ has the ability to produce Toxic Industrial Material/WMD hazard areas; plume modeling and IED blast templates. It also allows operators to do post blast analysis by determining explosive quantities based on the visible collateral damage effects of the blast. All calculations are based on international standards but can easily be changed to bespoke national standards if required.

### Logistics Management

By being NIMS (National Incident Management System) compliant, the software has the tools necessary to ensure that incident commanders can identify customised checklists and create their reports that can be quickly disseminated to authorised users. Asset and personal certification management, inventory management, organisational charts and complete incident replay are just a few of

the standard functions that are available in the application.

### Rapid Systems Integration

The software supports a vast amount of Chemical, Biological, Radiological, Nuclear and Explosive sensors. Live or static weather feeds and GPS tracking systems can also be included. TIGER IM™ has auxiliary feeds into video and audio information from UGV, UAV, mobile and stationary cameras along with live cell phone video streaming. All functions within the software are of a modular structure which allows capabilities to be removed, added or changed depending on requirements or emerging technologies.

### Reference Library

Incorporated into the application is a 38 Gigabit database of chemical information and resources including regulations and checklists. A comprehensive list of field guides for First Responders is available along with a vehicle placard wizard database. Radiological and biological reference material and factsheets come as a standard information package within TIGER IM™.

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Contact one of the following offices for further information:

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