

HazKey™

The complete solution to Hazard Management

HazKey™ is a mobile and deployable Incident Management software and hardware solution for use in both Counter Terrorist and Civil Response Operations.

HazKey™ is delivered as an off-the-shelf turn-key solution designed for Civil First Responders/Emergency Services and Military personnel who are expected to work within CBRNE and toxic hazardous environments.

Hazard management is based on existing Bruhn NewTech Hazard Prediction software products which are widely used throughout the world.



Reference:

The complete system has been designed, developed and delivered for use in support of CBRNE Operations but can also be used for accidental releases of Toxic Industrial Materials (TIM). Clients have selected different software solutions based on their end-users specific role. Challenging environments demand a robust system which is capable of being deployed from a variety of unknown platforms.

Each HazKey™ System contains:

- Client choice of Bruhn NewTech Hazard Prediction Software
- Ruggedized Laptop
- Standard fit of GPS and weather sensor
- Control unit with variable power supply
- Associated cables and connections
- Rugged case with custom internal fittings
- Communication of Sensor Data, options include, Wireless or Fibre Optic cable.



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Key Features

Software Options

The system can be delivered with either EOD-Frontline/HazResponse™ or our Web Based LYNX IM™ as the baseline software, therefore each system can be delivered to the requirements specific of the role of the end-user.

Deployable and Flexible

HazKey™ can be easily transported and operated from a variety of mobile platforms, due to the resilience of the pack and build standard. The system is not permanently fixed; therefore it provides commanders and operators with a greater flexibility to manage incidents. HazKey™ has the added benefit of being self contained and fully deployable within minutes of arriving at the scene of an incident. It can operate from its own internal 12v DC re-chargeable power supply or a 12/24v vehicle power supply, plus 12/24v DC External or 110/240 AC Mains.

Scene Assessment

The system has been specifically designed to meet the exacting requirements of CBRNE Scene Assessment using Warning and Reporting protocols to achieve effective Prediction and Protection of both the public and first responders.

Sensor Scalability

HazKey™ has a standard default fit of one GPS and one weather sensor which is fully integrated with the associated software. The addition of our Sensor Connectivity and Integration Management (SCIM™) software enables fully integrated Sensor and Data transfer from a wide range of Chemical and Radiological detectors as well as video streaming, recording and image transfer for an effective passage of information. SCIM™ has been configured to work with legacy detector equipment and has an in built simulator that can trigger appropriate sensor alarms for training purposes.

Durability

The robust over-pack, combined with the custom internal method of packaging ensures serviceability during storage and transportation. The manufacture of the control box meets international ruggedized standards and components within the control box have a 3 year warranty. Maintenance is minimal as the system is designed to be "Plug and Play". Both the GPS and weather sensors are solid state technology with no moving parts. Cable construction and lengths can be adjusted to suit the need of the client. Wireless connectivity is available depending on customer requirements. Options are available for bespoke full military ruggedized systems.

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