Rapid Deployment Kit (RDK)

Turn-Key System for Hazardous Environment Detection

The Rapid Deployment Kit (RDK) is designed for quick assessment of chemical and radiological threats. The kit includes four AreaRAE monitors and a turn-key Host Controller running ProRAE Guardian software for local monitoring up to two miles (3km) away, or via the Internet at any location. Housed in a military-grade self-contained case, the Rapid Deployment Kit is easy to transport and easy to deploy. The system can easily scale up to 64 detectors and includes an option for GPS.
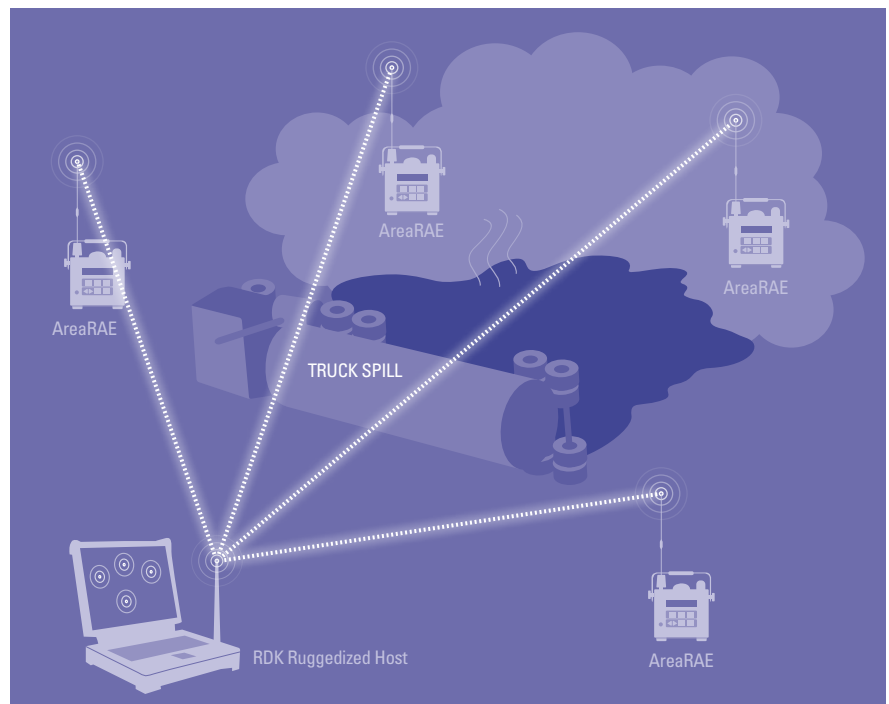
- **Shave valuable minutes off response times**
- **Remotely monitor hazards from safe location**
- **Protect wide area and community**
- **Achieve instant real-time situational awareness**

KEY FEATURES

- Turn-key package with one-button operation
- Up to five sensors per monitor
- Rapidly deployable system up in minutes
- Optional GPS for tracking of monitors
- Easy to transport

APPLICATIONS

- HazMat & Emergency Response
- Public venue protection
- Marine and offshore wells
- Confined space entry
- Fence-line monitoring
- Environmental remediation

Rapid Deployment Kit (RDK) used to establish a perimeter around hazardous zone

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Wireless   GPS

Rapid Deployment Kit

Turn-Key System for Hazardous Environment Detection

Specifications

Size	RDK Ruggedized Host: 12" L x 3" W x 12" D (304mm L x 76mm W x 304mm D) RDK Host: 20" L x 8" W x 16" D (508mm L x 203mm W x 406mm D) RDK Detector Kit: 34" L x 14" L x 21" D (864mm L x 356mm L x 533mm D)
Weight	RDK Ruggedized Host: 14 lbs (6.35 kg) RDK Host: 23 lbs (10.43 kg) RDK Detector Kit w/AreaRAE plastic-housing monitors: 78 lbs (35kg) RDK Detector Kit w/AreaRAE steel-housing monitors: 105 lbs (48kg)
Sensors	Up to five sensors per monitor (PID, combustible, and any combination of O_2, toxic, or gamma)
AreaRAE Operating Hours	Up to 18 hours continuous operation
Safety Certification	Refer to AreaRAE datasheet
Frequency	Refer to AreaRAE datasheet
RF Range	Up to 2 miles (3km)
Optional	Integrated GPS receiver and mapping

Sensors

Gas	Range	Resolution
Oxygen	0 to 30.0%	0.1%
Combustible	1 to 100% LEL	1% LEL
VOCs	0 to 199 ppm, 200 to 2,000 ppm	0.1 ppm, 1 ppm
Carbon Monoxide/Hydrogen	10 to 2000 ppm	10ppm
Hydrogen Sulfide	0 to 100 ppm	1 ppm
Sulfur Dioxide	0 to 20.0 ppm	0.1 ppm
Nitric Oxide	0 to 250 ppm	1 ppm
Nitrogen Dioxide	0 to 20.0 ppm	0.1 ppm
Chlorine	0 to 10.0 ppm	0.1 ppm
Hydrogen Cyanide	0 to 100 ppm	1 ppm
Ammonia	0 to 50 ppm	1 ppm
Phosphine	0 to 5.0 ppm	0.1 ppm
Hydrogen Chloride	0.5 to 10 ppm	1 ppm
Hydrogen Fluoride	0.5 to 10 ppm	1 ppm

*Specifications are subject to change

RDK System Package

RDK Detector Kit Includes:

- 4 AreaRAEs (plastic or steel housing)
- RAELink2 repeater
- 4 spare Li-Ion batteries
- 4 alkaline battery-pack adapters
- Calibration kit

* All 4 detectors and repeater can be charged inside case

RDK Detector Kit

RDK Host Controller Kit Options
- Ruggedized military-spec laptop w/embedded RAELink modem
- Touchscreen IP54 water-resistant rating
- Shock-resistant and electromagnetically shielded
- Preloaded with ProRAE Guardian software and 5-year license

RDK Ruggedized Host

or

- Laptop and RAELink modem housed in rugged case
- Preloaded with ProRAE Guardian software and 5-year license

RDK Host