

# Homeland Security Equipment Rental Program



**MSA**  
The Safety Company™



Comprehensive suite of gas detection equipment for homeland security, available through MSA's new equipment rental program. Includes equipment for the detection of nerve and blister agents, VX, gamma radiation, toxic industrial chemicals, and combustible gases.

Now you can rent advanced multi-threat detection systems for homeland security protection, with no long-term commitment.

MSA's expertise in gas detection technology for homeland security is now available on a single-event rental basis. For large-scale temporary protection including site and perimeter monitoring to support security measures and effects, take advantage of MSA's Homeland Security Equipment Rental Program.

For those faced with the challenging task of protecting the public, MSA's new Homeland Security Equipment Rental Program provides the opportunity to rent a comprehensive hazardous gas detection equipment package.

Effective consequence management includes the ability to detect a wide variety of potential threats around a site or at a single location. Ideal for large public gatherings, MSA's rental program offers preventative and counter-measure solutions.

Fast, reliable information is essential for pivotal decision-making, a key step in reducing exposure risk and coordinating response in the event of an attack. The Homeland Security Equipment Rental from MSA provides all equipment, software, deployment, operating and monitoring assistance during the event, and breakdown at the event's conclusion.

## Rental Benefits

- No long-term commitment or equipment maintenance
- Offers opportunity for short-term system tryout
- Proven gas detection system tailored and installed for single event

# We've been there

We've been there



MSA has provided homeland security protection multi-threat gas detection systems for these events:

**Monday Night Football** | Charlotte, NC

**New Year's Eve** | Times Square, New York, NY

**Kentucky Derby** | Churchill Downs, KY

**Democratic National Convention** | Boston, MA

**Summer Olympics** | Athens, Greece

**Department of Homeland Security Full Scale Exercise** |

PNC Park, Pittsburgh, PA

**Preakness Stakes** | Baltimore, MD

**NCAA Final 4** | Indianapolis, IN

**MLB All-Star Game** | PNC Park, Pittsburgh, PA

## MSA's Homeland Security Equipment Rental Program

### MSA will:

- Provide all equipment and software.
- Ensure that all equipment is calibrated, charged, and ready to deploy.
- Assist in equipment deployment.
- Provide assistance in equipment monitoring and operation during the event.
- If necessary, help to deploy equipment prior to actual event to determine proper system operation and communication.

### MSA will not:

- Solely determine the location of the detectors.
- Solely monitor or operate equipment during the event.
- Solely make decisions concerning system values during the event.

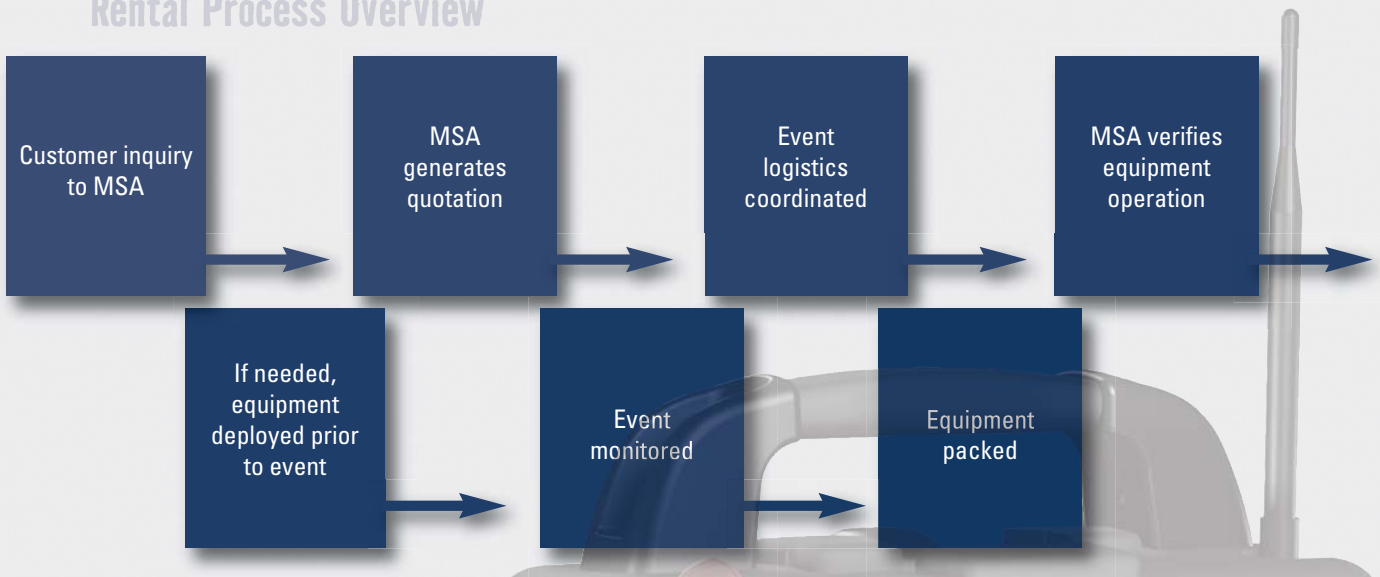
## System Components:

- 1 SAFESITE Command Center with Panasonic Tough Notebook laptop computer
- 12 fully-loaded SAFEMTX™ Multi-Threat Detectors with:
  - ◆ Surface acoustic wave (SAW) sensor for chemical warfare agent detection
  - ◆ Gamma radiation sensors
  - ◆ Up to 4 additional "plug and protect" sensors selected from available sensors
- 2 Sirius® Multigas Detectors with PID
- 2 SAFECONNECT™ Belt-Bridge units with Sirius® Wireless Interface
- 2 HAZMATCAD™ Plus Chemical Agent Detectors
- Additional sensors
- Additional batteries
- High-gain antennas
- Calibration kits
- PLUS an experienced MSA Field Service Representative provided for each event to:
  - ◆ Assist in radio strength testing, ensuring that customer-selected detection locations are suitable for radio communications.
  - ◆ Maintain equipment's proper operation for the event's duration.
  - ◆ Provide instruction manual-level training as needed to responsible personnel.\*



## Rental Process Overview

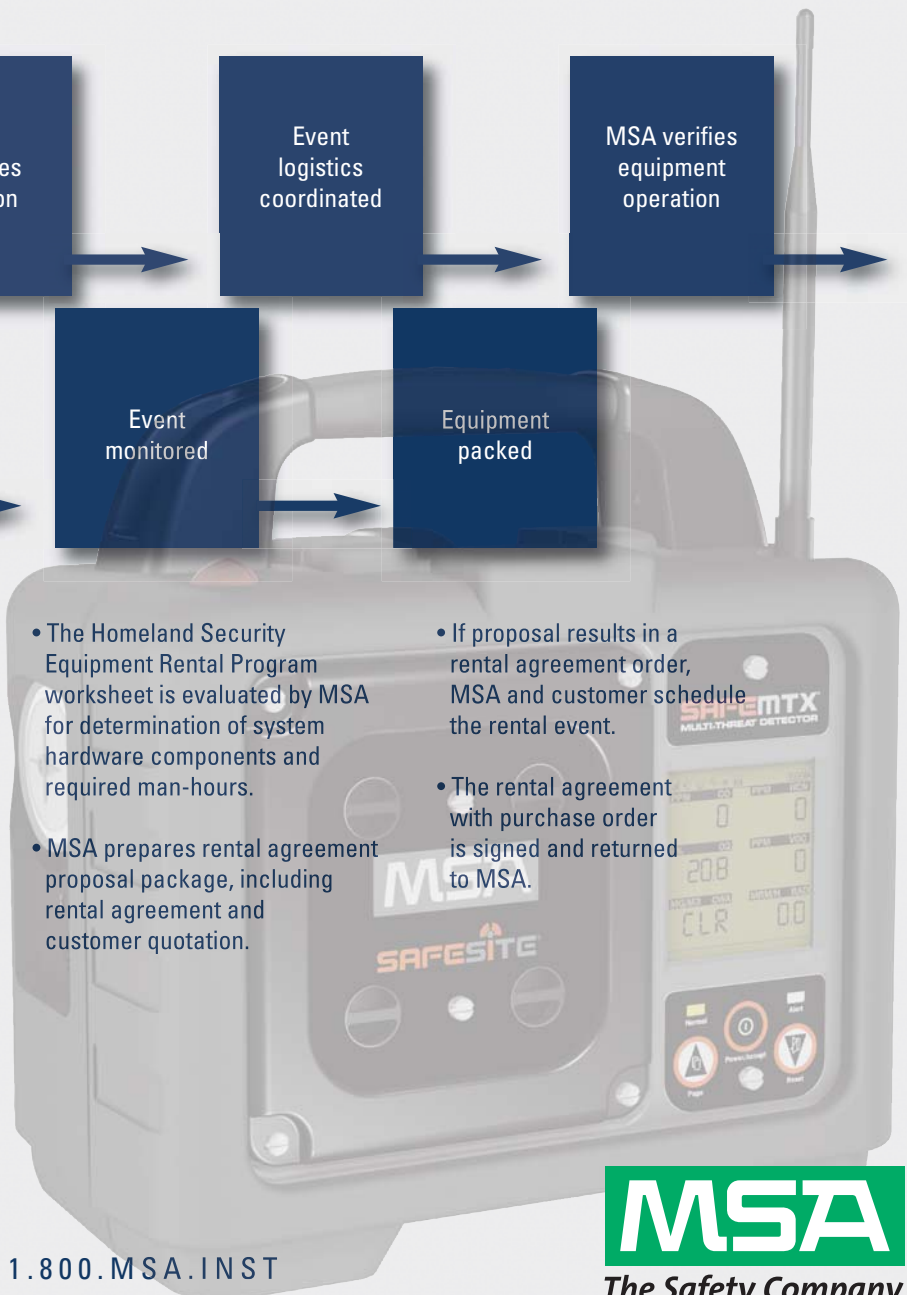
Rental Process Overview



- Customer contacts MSA manufacturer's representative or authorized distributor to inquire about rental program.
- MSA conducts informational customer visit to assess customer requirements. An initial site survey is performed for customer determination of the location, quantity and type of threat detection desired. Site survey also includes radio signal testing and completion of the Homeland Security Equipment Rental Program worksheet.

- The Homeland Security Equipment Rental Program worksheet is evaluated by MSA for determination of system hardware components and required man-hours.
- MSA prepares rental agreement proposal package, including rental agreement and customer quotation.

- If proposal results in a rental agreement order, MSA and customer schedule the rental event.
- The rental agreement with purchase order is signed and returned to MSA.



## The MSA Homeland Security Equipment Rental Program System Details

### **SAFESITE System - 12-point system**

The SAFESITE® Multi-Threat Detection System monitors, detects, and communicates the presence of up to six potential threats including CWAs, gamma radiation, volatile organic compounds (VOCs), TICs, combustible gases, and oxygen deficiency - all within a wireless network.



This system consists of two main components, the SAFEMTX™ Multi-Threat Detector and the SAFECOM™ Command Center, and is deployed as a portable system.

- LCD display provides all six threat readings.
- Keypad offers alarm acknowledge, sensor calibration, and system-setting configuration.

- Interchangeable smart-sensors allow for quick change-out of pre-calibrated sensors.
- Two miles of wireless communication are possible between any SAFEMTX Detector and SAFECOM Command Center with SAFECOM software.
- Wireless distance can be increased dramatically by setting up two repeaters per system.
- Units can be remotely put to sleep and powered on offering flexibility during deployment.

Each of the 12 SAFEMTX Detectors included in MSA's rental program has an integrated surface acoustic wave (SAW) sensor for detection of nerve and blister agents and a cadmium zinc telluride (CZT) sensor for gamma radiation. In addition, each SAFEMTX Detector has four sensor slots available for detection of TICs, VOCs, combustible gases, and oxygen content. Refer to table for sensor choices.



### **SAFECOMMECT Belt-Bridge with Sirius Multigas Detector PID Wireless Link - two included in the rental program**



The SAFECOMMECT Belt-Bridge works with the Sirius Multigas Detector for integration into the SAFESITE Multi-Threat Detection System. These components and the SAFECOM Command Center provide all mission-critical information in one uncomplicated format.

- Sirius Wireless Interface's IR link gathers information from the Sirius Multigas Detector and sends information to the SAFECOMMECT Belt-Bridge via Bluetooth technology.
- System offers up to two miles of wireless communication plus an updated Graphical User Interface (GUI).
- SAFECOMMECT Belt-Bridge converts the Sirius Multigas Detector's signal and transmits the information plus GPS location to the SAFECOM Command Center via a 1 watt, spread-spectrum, frequency-hopping, 900 MHz radio.
- SAFECOM Command Center receives 900 MHz signal from the SAFECOMMECT Belt-Bridge, converting it to practical information

for rapid decision making. The SAFESITE System displays simultaneous information from SAFEMTX Detectors and the Sirius Multigas Detector for complete coverage.

**HAZMATCAD Plus Detector - two units included in the rental program**

The HAZMATCAD Plus Chemical Agent Detector detects CWAs and selected TICs by combining two proven detection technologies: a SAW sensor array and an electrochemical cell array. Designed for one-handed operation, this portable instrument offers easy operation and requires little training.



**The HAZMATCAD Plus Detector**

- Provides superior selectivity and false alarm rejection.
- Protects against a broad range of chemical threats: phosgene, hydrogen cyanide, halogen and hydride gases.

**Sirius Multigas Detector with PID - two units included in the rental program**

The Sirius Multigas Detector with PID is a portable instrument that simultaneously detects VOCs, combustible gases, toxic gases, and oxygen-deficiency. MSA's proprietary PID sensor offers excellent performance for humidity resistance, stable zero readings, and fast response/clear times, delivering swift, dependable results.

The Sirius Multigas Detector with PID

- Lets users focus on their tasks at hand with user-friendly software.
- Provides outstanding alarms to clearly warn users of a hazardous situation.
- Allows for the detection of hundreds of chemicals.



Sensor Type
Ammonia*
Arsine
Bromine
Carbon Monoxide
Chlorine*
Chlorine Dioxide
Combustible Gases
Ethylene Oxide
Hydrogen Chloride
Hydrogen Cyanide*
Hydrogen Sulfide
Nitric Oxide
Nitrogen Dioxide
Oxygen
Phosphine
Sulfur Dioxide
VOC Photoionization Detection*

\*These sensors included in standard Safesite equipment rental program.

**For additional information regarding the products listed in this bulletin, please refer to:**

- Bulletin #07-2067-MC *SafeSite Hazardous Gas Detection System*
- Bulletin #07-2124-MC *SAFECONNECT Belt-Bridge w/Sirius Wireless Interface*
- Bulletin #0803-10-MC *Sirius Multigas Detector with PID*
- Bulletin #0815-25-MC *HAZMATCAD Plus Hazardous Material Chemical Agent Detector*
- Bulletin #07-2139-MC *Critical Infrastructure Protection from MSA*

**Note:** This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



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