World-Class Fire and Gas Safety Solutions

Systems for Protection of Special Hazard Areas
Recognized Global Leader in Flame and Gas Safety Solutions

A Trusted Partner Delivers the Quality and Reliability You Need

GLOBALLY INSTALLED
- Aircraft hangars
- Automotive
- Chemical
- Fuel storage
- LNG Terminals
- Munitions
- Offshore platforms
- Petrochemical plants
- Pipeline compressor stations
- Refineries
- Semiconductor
- Transport loading racks
- Turbines enclosures

FULL RANGE OF PRODUCTS AND SERVICES
- Flame detection
- Gas detection
- Suppression equipment
- Control equipment
- HMI programming
- Custom engineering
- Project management
- System integration
- Factory approval testing
- Commissioning, field service and technical support
- Formal training courses

GLOBAL AGENCY RECOGNITION

SATISFIED CUSTOMERS
“We depend on Det-Tronics fire and gas safety systems to protect our entire site. Det-Tronics offers the expertise, support and custom engineering services necessary to give us peace of mind.”
—General Manager, LNG Port Facility

WHAT SETS US APART

“Our focus is to help our customers mitigate the risks of gas leaks and fires, enhance safety, and protect assets.”
— Randall Ruegg President, Det-Tronics

TOTAL SYSTEM SOLUTION
Industry professionals demand safety while also minimizing total cost of operation. The Det-Tronics safety system solution can monitor and control both hazardous and non-hazardous sections of your facility, and is certified to function in extremely challenging environmental conditions.
- Combined fire and gas systems that provide detection, notification and mitigation
- Versatile communication options: RS485 Modbus RTU, Ethernet Modbus TCP/IP, ControlNet™ and OPC
- Fault tolerant network and I/O circuit supervision capabilities
- SIL 2 capable, redundant control and advanced diagnostics

CHOOSE DET-TRONICS SYSTEM SOLUTIONS FOR SAFETY AND SECURITY
For over 40 years Det-Tronics has led innovation in the industry. The complete product line is installed, certified and integrated into complex and demanding applications.

Det-Tronics engineers develop systems to mitigate risk, meet rigorous standards and provide safety to the most challenging locations. Benefit from:
- Certifications that include SIL 2, FM, CSA, ATEX, IECEx and more
- Experienced system engineers that analyze, design and implement site-specific solutions
- A global network of personnel and offices for sales, service and system support
Protection Solutions for Challenging Industrial Applications

Custom Designed to Your Location and Your Specific Needs

The Det-Tronics fire and gas detection/releasing system serves the monitoring and protection functions in hazardous and non-hazardous areas. The Eagle Quantum Premier® (EQP) Safety System Controller performs communication and control functions of the fire and gas safety system. It is a fully certified system that meets performance and hazardous location requirements including:

- Class 1 Div 1 / Zone 1
- Class 1 Div 2 / Zone 2

The system will execute alarm notification and suppression control. They work with Det-Tronics devices and many third-party devices. Each Local Operating Network (LON) can have up to 246 addressable devices and 10 kilometers (6 miles) of loop wiring. Redundant operation is recommended but simplex is available. An analog input module (AIM) allows 4-20mA output devices to be connected to the LON.

Det-Tronics Solutions Satisfy Hazardous Applications Worldwide
Solutions Include Comprehensive Support and Expertise

TOTAL ENGINEERED SOLUTIONS
Det-Tronics develops your solution each step of the way. With over 40 years of systems design expertise, our dedicated project support personnel provide engineering services from the first conversation to future maintenance and support. Det-Tronics works with you from start to finish of your project and beyond.

ENGINEERING EXPERTISE
- Dedicated project management
- Experienced engineering team
- Custom built safety solution
- Factory or site acceptance testing (FAT/SAT)

FIELD SERVICE
- Full commissioning support
- Expert fault identification and resolution
- Rapid diagnostics and maintenance

FORMAL TRAINING
- Comprehensive curriculum
- Factory certified trainers
- On-site or at-factory options

TECHNICAL SUPPORT
- Support centers located worldwide
- Field-dedicated application engineers
- On-call customer service

“SOLUTION EXPERTS”
Det-Tronics develops your solution each step of the way. With over 40 years of systems design expertise, our dedicated project support personnel provide engineering services from the first conversation to future maintenance and support. Det-Tronics works with you from start to finish of your project and beyond.

“FIELD SERVICE”
Det-Tronics provides full commissioning support, expert fault identification and resolution, and rapid diagnostics and maintenance.

“FORMAL TRAINING”
Det-Tronics offers a comprehensive curriculum, factory certified trainers, and on-site or at-factory options.

“TECHNICAL SUPPORT”
Det-Tronics has support centers located worldwide, field-dedicated application engineers, and on-call customer service.

Before your system arrives, our experts define, engineer and integrate your solution.

After your system is in place, our global network provides service, training, and support at your site.

Integrate with existing site control systems such as SCADA, DCS and Process PLC.

Hardware, Software and Connectivity to Solve the Most Demanding Situations

FULL OPERATIONAL CONTROL
The safety system software platform offers an all-in-one solution that is designed for easy configuration, user programming and diagnostics.

- Configure flame and gas detectors, communication ports, controllers, I/O modules, and other field devices
- Program custom user logic to meet cause and effect requirements
- Monitor, locally or remotely, the real time status of devices on the LON (Local Operating Network)
- Collect and distribute data to 3rd party software using OPC server
- Log alarms, events, configuration changes, and calibration of network gas detectors
- Backup/restore the system project file from controller
- Diagnose issues related to communication with devices

Safety system software provides real-time status and diagnostics.

“We use Det-Tronics for their expertise for fire and gas mapping. The big benefit is the peace of mind knowing that the detection equipment is located properly.”— Plant Manager, Natural Gas Processor

“We have had a Det-Tronics fire and gas safety system installed for over 10 years. The diagnostics have been excellent, and provide me the information I need when I need it.”— Instrument and Electrical Specialist, Energy Company