

Integrated Systems for Protection and Mitigation



**Certified Fire
and Gas Safety
Solutions**



Recognized Global Leader in Flame and Gas Safety Solutions

A Trusted Partner Delivers the Quality and Reliability You Need

CHOOSE DET-TRONICS SYSTEM SOLUTIONS FOR SAFETY AND SECURITY

Since 1973, 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

WHAT SETS US APART



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



GLOBALLY INSTALLED

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

FULL RANGE OF PRODUCTS AND SERVICES

- | | |
|-------------------------|--|
| ▲ Flame detection | ▲ Custom engineering |
| ▲ Gas detection | ▲ Project management |
| ▲ Suppression equipment | ▲ System integration |
| ▲ Control equipment | ▲ Factory approval testing |
| ▲ HMI programming | ▲ 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

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-

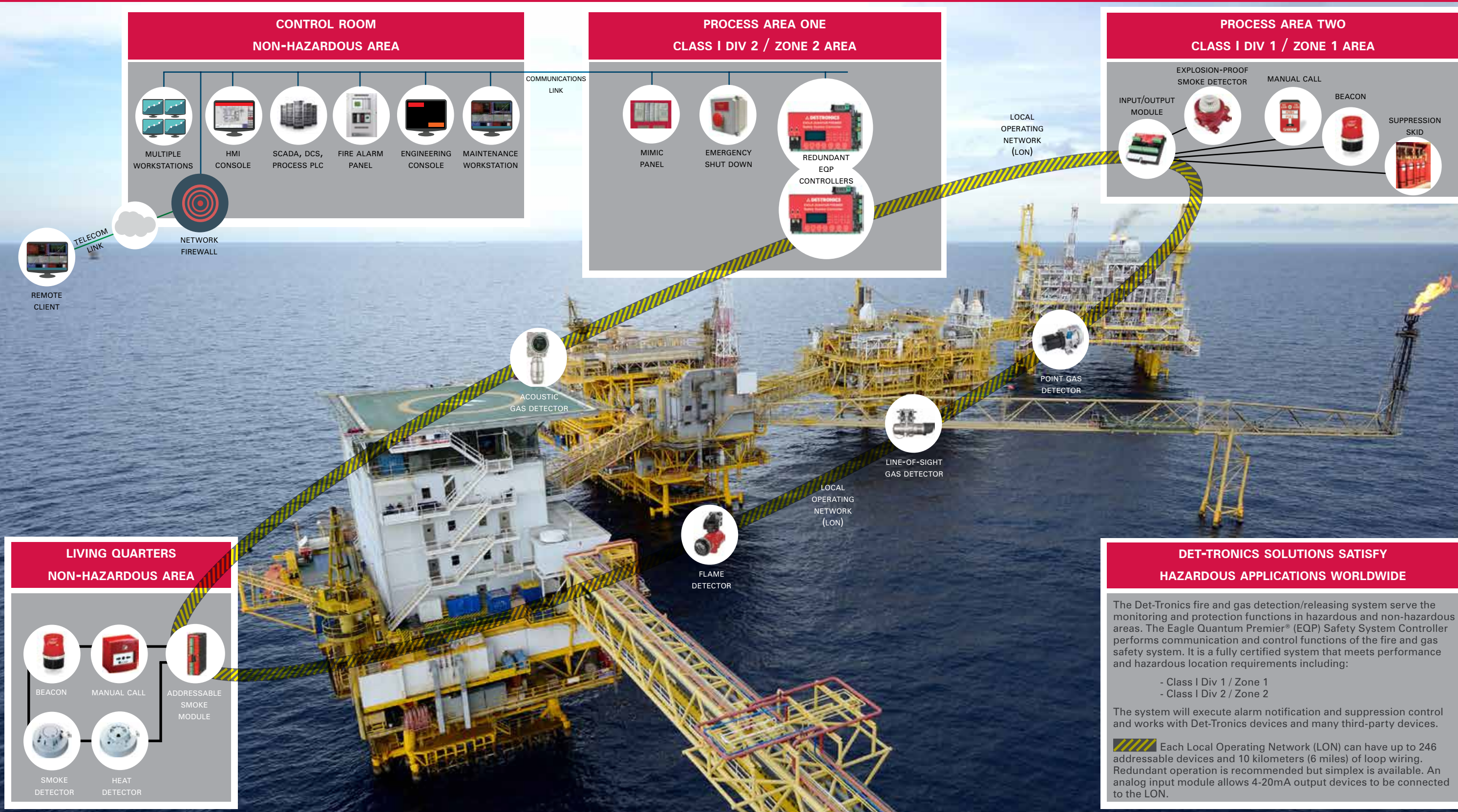
hazardous sections of your facility, and is certified to function in extremely challenging environmental conditions.

- ▲ Combined fire and gas systems that provide detection, notification and mitigation
- ▲ Versatile communication options: RS485 Modbus RTU, Ethernet Modbus TCP/IP, ControlNet™, DLR and OPC
- ▲ Fault tolerant network and I/O circuit supervision capabilities
- ▲ Certified SIL 2 capable, redundant control and advanced diagnostics



Protection Solutions for Challenging Industrial Applications

Custom Designed to Your Location and Your Specific Needs



DET-TRONICS SOLUTIONS SATISFY HAZARDOUS APPLICATIONS WORLDWIDE

The Det-Tronics fire and gas detection/releasing system serve 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 I Div 1 / Zone 1
- Class I Div 2 / Zone 2

The system will execute alarm notification and suppression control and works with Det-Tronics devices and many third-party devices.

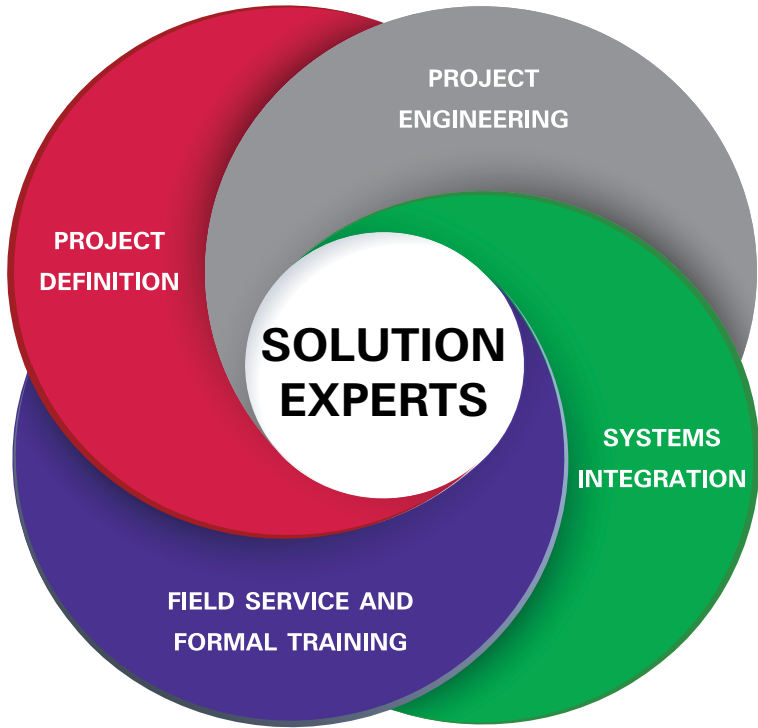
Each Local Operating Network (LON) can have up to 246 addressable devices and 10 kilometers (6 miles) of loop wiring. Redundant operation is recommended but simplex is available. An analog input module allows 4-20mA output devices to be connected to the LON.

Solutions Include Comprehensive Support and Expertise

Hardware, Software and Connectivity to Solve the Most Demanding Situations

TOTAL ENGINEERED SOLUTIONS

Our dedicated, experienced project support personnel provide services from the development of your application requirements to future maintenance and support.



“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**



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

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



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

“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**



Safety system software provides real-time status and diagnostics.

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





A Global Leader in Fire and Gas Safety Systems

SAFETY & PROTECTION — SINCE 1973



MITIGATING FIRES



DET-TRONICS

PROTECTING LIVES



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