

World-Class Fire and Gas Safety Solutions

Systems for Protection of
Special Hazard Areas



Recognized Global Leader in Flame and Gas Safety Solutions

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

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

Flame Detection

More than 40 years of leadership

Gas Detection

Technical knowledge and innovation

SAFETY SYSTEMS

Dedicated to Protection

Engineering Expertise

Effective, flexible, and reliable

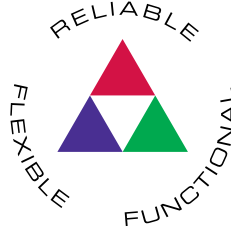
Support Services

Comprehensive lifetime commitment

A Trusted Partner Delivers the Quality and Reliability You Need



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.

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

- ▲ 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

GLOBAL AGENCY RECOGNITION



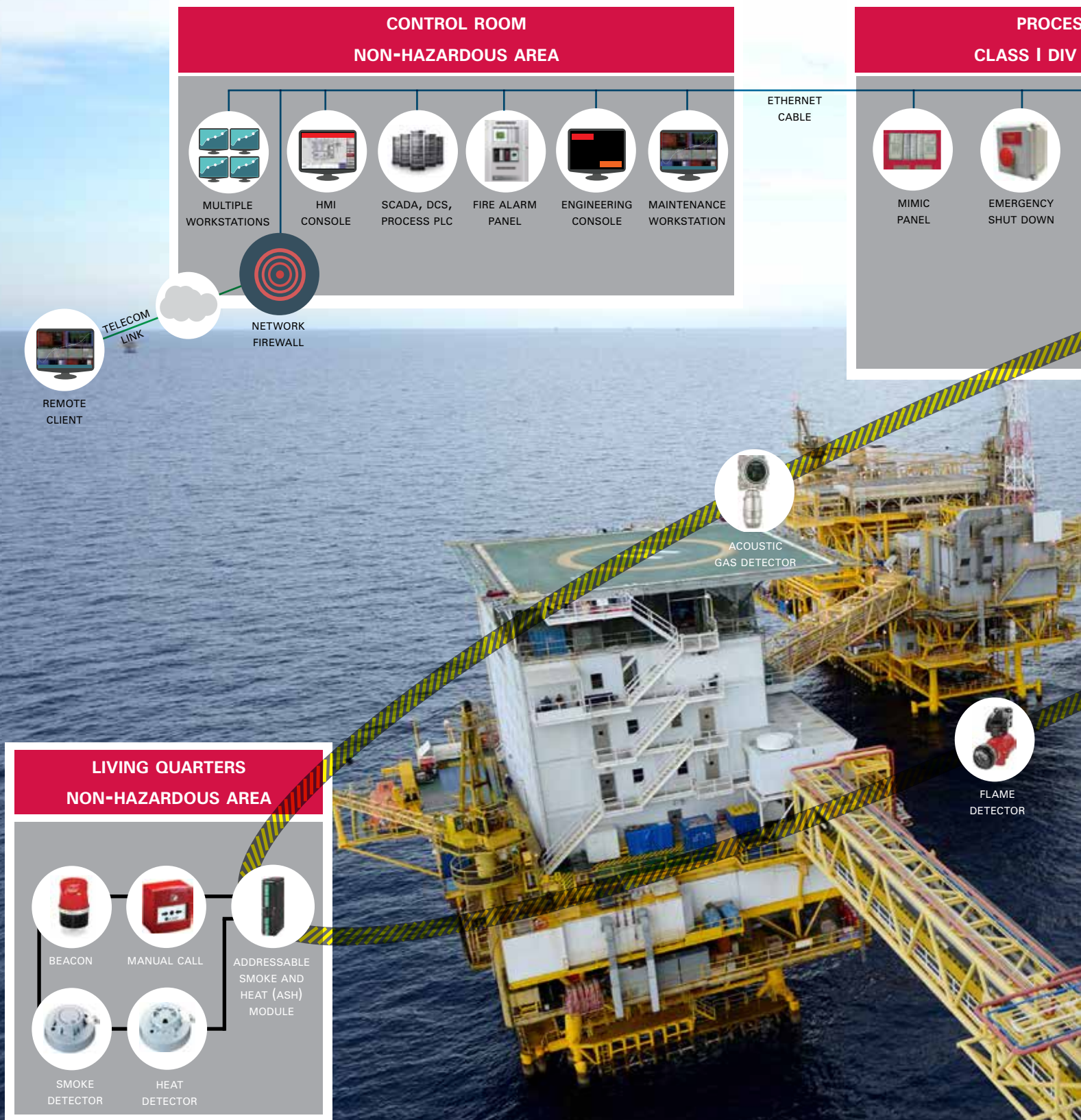
SATISFIED CUSTOMERS

"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



Protection Solutions for Challenging Industrial Applications



Custom Designed to Your Location and Your Specific Needs

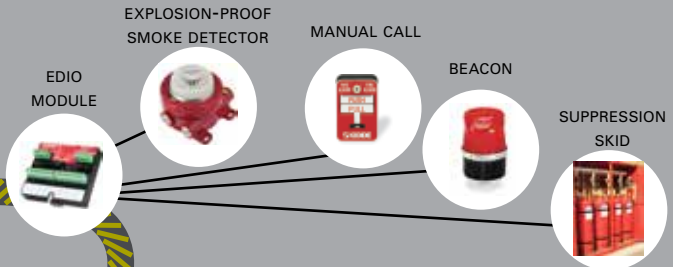
PROCESS AREA ONE CLASS I DIV 2 / ZONE 2 AREA



REDUNDANT
EQP
CONTROLLERS

LOCAL
OPERATING
NETWORK
(LON)

PROCESS AREA TWO CLASS I DIV 1 / ZONE 1 AREA



EDIO
MODULE

EXPLOSION-PROOF
SMOKE DETECTOR

MANUAL CALL

BEACON

SUPPRESSION
SKID



POINT GAS
DETECTOR



LINE-OF-SIGHT
GAS DETECTOR

LOCAL
OPERATING
NETWORK
(LON)

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

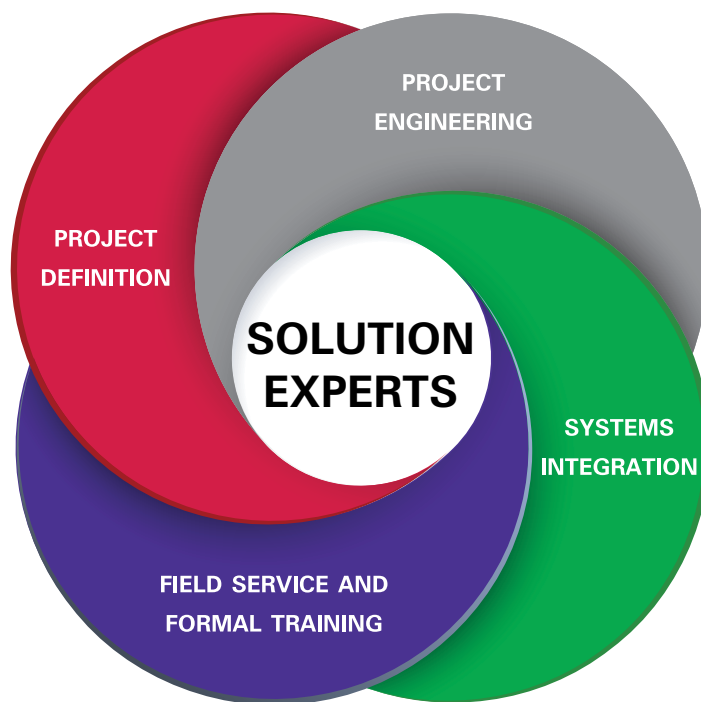
The system will execute alarm notification and suppression control. They work with Det-Tronics devices and many third-party devices.

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.

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.



"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

Hardware, Software and Connectivity to Solve the Most Demanding Situations



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

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 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**



The Global Leader in Fire and Gas Safety Systems

QUALITY // PROTECTION // SOLUTION // FLEXIBLE // FUNCTIONAL // RELIABLE // EXPERIENCED // ENGINEERED // ADVANCED



FlexSonic® Acoustic
Leak Detector



X3301 Multispectrum
IR Flame Detector



PointWatch Eclipse® IR
Combustible Gas Detector



FlexVu® Universal Display
with GT3000 Toxic Gas Detector



Eagle Quantum Premier®
Safety System

92-1071-1.2

Corporate Office

6901 West 110th Street
Minneapolis, MN 55438 USA
www.det-tronics.com

Phone: +1 952.941.5665
Toll-free: +1 800.765.3473
Fax: +1 952.829.8750
det-tronics@det-tronics.com

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Det-Tronics is certified to ISO 9001:2008 in all manufacturing processes.