Certified SIL 2 Capable Solutions for Hazardous Industrial Environments
Flame Detection
1. X3301 Multispectrum IR Flame Detector — Detects hydrogen flames by using patented multi-spectrum processing algorithms. Has long detection range and superior false-alarm immunity. Available with HART option and is certified SIL 2 capable.
2. X3302 Multispectrum IR Flame Detector — Detects high to low hydrogen flames. Approved for hydrogen, methane, and methanol gas leaks. Its specialized detection in the infrared (IR) band reduces false alarms encountered with traditional detection techniques. Available with HART option and is certified SIL 2 capable.

Gas Detection
6. GT3000 Electrochemical Gas Detector with FlexVu® Universal Display — Reacts accurately to toxic gases. Users can change sensors while the detector is powered. Can be paired with the FlexVu Universal Display, which provides local or remote calibration.
7. PointWatch™ E18400 IR Gas Detector with FlexVu® Universal Display — Provides accurate point detection of combusting hydrocarbon gases. The IR sensor measures in the lower flammable limit (LFL) range. Provides continuous self-calibrating and is immune to most poisons.
8. PointWatch Eclipse® PIRECL IR Gas Detector — Provides accurate point detection of combustible hydrocarbon gases and measures in the upper flammable limit (UFL) range. In addition to providing continuous self-calibrating and being immune to most poisons, the PIRECL is certified SIL 2 capable, HART enabled, and uses stainless steel construction for maximum durability.

Safety System Components
13. Analog Input Module (AIM) — Provides eight flexible, independent 4-20 mA input channels that can be set as a combustion gas mode or a universal mode for 4-20 mA input from other gas detectors. May be used with X-Series flame detectors and is certified SIL 2 capable.
14. Addressable Smoke Module (ASM) — Provides continuous supervision of system interconnections between Apollo smoke/detector and the ECF controller. Enables non-hazards areas (living quarters and control rooms) to be monitored by the same safety and process systems that are used in hazardous areas. Is certified SIL 2 capable.
15. Local Operating Network/Signaling Line Circuit (LON/SLC) — Provides a fast, fault tolerant digital network that expands to meet future needs. Reliable communication is arranged as a loop that starts and ends at the ECF controllers.
16. Safety System Software (S3) — Provides eight flexible, independent 4-20 mA input capabilties for the gas detector. The unit can be used with various 4-20 mA detection devices, with or without HART.
17. Eagle Quantum Premier® (EQP) Safety System Controller — Manages, maintains, monitors, and controls loop devices. The multi-channel programmable controller is third-party approved to meet NFPA 72-2013 requirements and performs the functions of a fire and gas detection/actuation system. Available with rapidfire and is certified SIL 2 capable. Multiple protocols to communicate with OCS, PLC and NACDA systems.
18. Enhanced Discrete I/O Module (E00) — Supervises 16 channels that can be configured as: Initiating device, Two-wire heat/smoke detection, Notification Appliance, and Relaying circuits. Supports Class A and B input and output wiring. Is certified SIL 2 capable.

Surveillance
20. Dot-Tones® SmokeWatch® US015 Explosion-Proof Smoke Detector — Suitable for hazardous, industrial and commercial applications. To a Class I Division 1, Zone 1 explosion-proof rated smoke detector.
21. Relay Output Module — Provides eight channels of relay output points programmed for supervised operation.
22. Explosion-proof Input/Output Module (EIO) — Integrates E00, AIM and Relay Output Modules for hazardous locations.
23. High Speed Deluge Module (HSDM) — Provides six configurable input and six configurable output channels. The HSDM is specifically designed to expand the capability of the ECF system by providing the capability to activate ultra-high-speed suppression systems for hazardous applications. The HSDM is certified SIL 2 capable.

Full Service Solutions
Our dedicated, experienced project support personnel provides services from the development of your application requirements to future maintenance and support.
The Global Leader in Fire and Gas Safety Systems

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

Det-Tronics offices
Representative offices

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

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Det-Tronics is certified to ISO 9001:2015 in all manufacturing processes.