Maximize
Safety, Performance and Profitability with Advanced Flame and Gas Detection Solutions from **NET SAFETY**.

Net Safety Monitoring Inc. is a global leader in the design, development and manufacture of explosion proof flame detectors, fixed toxic and combustible gas detectors, safety systems, as well as many unique ancillary safety and security products. We've built a reputation worldwide for developing premium quality products that are engineered for continuous performance even in the most extreme environments.

Technologies Only Available from NET SAFETY Provide the Lowest Life Cycle Cost and Increase Production Time.

At our state-of-the-art 38,000 square foot R&D lab and manufacturing facility we enforce strict quality standards and intelligent engineering to ensure that all our products meet the demands of the toughest industrial environments and applications. All our products are certified to the strictest benchmarks for safety and performance — maintained worldwide with market-leading warranties and specialized product support teams.

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PRODUCT PROFILES — OFFSHORE APPLICATIONS

PHOENIX Triple IR Flame Detector

Very serious risks to human life, productivity and equipment are constantly present at offshore oil rigs and Floating Storage and Off-Loading (FPSO) vessels. Automatic flame detection and protective action must be initiated within seconds whenever a fire ignites. Net Safety's Phoenix Triple IR flame detector provides the reliable and instantaneous flame detection response that is required in these high-risk environments while utilizing advanced technologies to reduce false alarm events, limit power consumption, lower maintenance and provide rock-solid performance.

7 YEAR DETECTOR WARRANTY · **SIL2** · **ABS** TYPE APPROVED PRODUCT

- **NO REFLECTOR!** — The ONLY flame detector on the market with this advanced feature. Greatly reduces maintenance and known faults caused in marine applications where heavy rain and salt are constantly present.

- **Lowest Power Consumption Of Any Competitive Model** — No additional optics heater is ever required, built-in electronics maintain optimum sapphire lens temperature.

- **User Programmable Sensitivity and Time Delay Settings** — Optimize installation setting requirements and greatly reduce faults and false alarms with the easily accessible controls.

- **Proprietary Automatic Digital Zoom (ADZ) Technology** — Accurate detection of small and massive flames in the most difficult working situations where other detectors fail - reduces false alarms while maximizing detection sensitivity.

ULTRA-FAST RESPONSE TIMES AT ALL SENSITIVITY SETTINGS — 90° FIELD OF VIEW WITH EXTENDED DETECTION RANGE

MILLENNIUM II Gas Detectors

The ultimate fixed gas detection solution, the advanced Millennium II Series combines several innovative features, rugged design, and proven performance in the extreme marine conditions present in offshore applications. Certified worldwide and backed by the best sensor warranties in the business.

SIL2 · **HART COMMUNICATION PROTOCOL** · **ABS** TYPE APPROVED PRODUCT

- **Single Or Multi Channel Plus BASIC Models Available** — Select the controller configuration that's perfect for your application with a complete range of interchangeable toxic and combustible SMART gas sensors plus Analog, Relay, RS 485 Modbus® RTU and HART® outputs available.

- **Widest Input Power Range** — Allows for the use of lighter gauge cabling and longer sensor separation. Lower installation costs and increase system stability - no issues during periodic voltage drops!

- **Low Power BASIC Model** — A cost-effective solution that includes all the features you demand with complete ease-of-use and operation. Low power consumption and minimized load requirements provide additional cost-of-ownership savings.

- **Engineered For Extreme Applications** — Super bright OLED display is clearly visible in any lighting condition and operates to -55°C! Non-intrusive calibration with a simple to use, intuitive menu system. Controller and sensor both have IP 66/67 rating.

- **Advanced Sensor Technologies** — Fastest electrochemical H2S response available! Nano enhanced solid state sensors that do not "fall asleep". Dual-beam infrared technology with no mirrors to be contaminated. Poison-resistant catalytic bead sensors with our proprietary *SensorGuard* greatly prolongs sensor life. Plus the best sensor warranties available in the market.

- **Event Logging** — Up to 980 calibration, alarm and fault events are time and date stamped and then stored in non-volatile memory.

FAST, RELIABLE DETECTION — SIL COMPATIBLE — MARKET LEADING WARRANTIES — RUGGED DESIGN — SIMPLE OPERATION

FLAMEWATCH II
(Explosion Proof Flame Detection and Video)

Designed specifically for applications where a high performance flame detection solution and visual analysis/record of an alarm event is required. These capabilities are ideally suited for remote locations in order to quickly evaluate the hazard from a controlled location and effectively mobilize response teams.

NEXT GENERATION

- **Multiple Flame Detection Configurations** — Available with SMART UV, UV/IR, and Triple IR sensors.

- **Explosion Proof, Class 1, Division 1** — Certified for use in hazardous locations.

- **Easy to Install, Configure and Calibrate** — Lower field operating and emergency response costs.

- **Review Alarm Events** — High quality video can be reviewed to determine cause and evaluate response procedures.

- **Field Adjustable Sensitivity** — *In situ* settings for sensitivity and response greatly reduces false alarms.

- **Wide Field of View and Fast Response** — Superior protection for plant and personnel.

THE NET SAFETY FLAMEWATCH II — BRINGING TWO TECHNOLOGIES TOGETHER...FOR ENHANCED PROTECTION.

MILLENNIUM Air Particle Monitor
(Detects Ambient Smoke, Oil Mist, Dust and Ash)

ABS TYPE APPROVED PRODUCT

- **The ONLY Explosion Proof Smoke Detector On The Market - Class 1, Division 1 Certified.**

- **Advanced Sensor Technology** — Single beam IR with no mirrors to be contaminated. Sensor performance is not effected by high volume air velocity. Field adjustable zero level of obscuration as well as multiple sensitivity settings allows fine tuning for specific application conditions.

- **Unique Capabilities** — Ideal for duct installations, HVAC air intakes, battery or engine rooms, or compressor stations (to name just a few) which require fast, accurate monitoring of ambient air for any type of particulate matter.

- **Market Proven** — Installations worldwide within a variety of applications.

Cl.1 Div.1 EXPLOSION PROOF

FAST, RELIABLE DETECTION — CLASS 1, DIV 1 CERTIFIED — RUGGED DESIGN — FIELD SELECTABLE ZERO AND SENSITIVITY

EXPLOSION PROOF MOTION DETECTOR

The IRM90-R is a passive infrared (PIR) motion detector that is designed to provide maximum safety and security in hazardous locations.

- **Certified for Hazardous Locations Class 1, Division 1, Groups B, C, and D**

EXPLOSION PROOF VIDEO CAMERA

The VID-C explosion-proof video camera is ideally suited for safety monitoring systems in hazardous locations. It delivers a composite video output for use with most CCTV systems.

- **Certified for Hazardous Locations Class 1, Division 1, Groups B, C, and D**

FLAME DETECTION · COMBUSTIBLE & TOXIC GAS DETECTION · SAFETY SYSTEMS · SURVEILLANCE · AIR PARTICLE MONITORING

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