WHS Compliance
Air Quality Monitoring
Smart Traffic Navigation
Car Park CO/NO₂ Monitoring
VRV/VRF Refrigerant Detection
VEFSA Very Early Fire Detection
Hazardous Area Gas Monitoring
Liquid Level & Leakage Detection
Process Instrumentation (Safe & Ex-proof)
Damper Actuators (Multi-turn, Quarter-turn)
Energy and Green House Saving (LEED, BCA)
Toxic, Flammable and Refrigerant Leak Detection
GAS SENSORS/TRANSMITTERS/ DATALOGGERS
(Safe as well as Hazardous Area)

Manufacturer: MSR Electronic, Germany
- For Toxic, Flammable/Explosive, Refrigerants, Oxygen depletion for safe as well as hazardous area (With IECEx and SIL2 certification)
- Gases: CO, CO₂, NO, NO₂, O₂, H₂S, NH₃, Cl₂, Ethylene, VOC and other toxic and flammable gases
- NDIR (infra-red) technology for VRV/VRF and most refrigerants
- Measuring Range: ppm for toxic, %LEL for combustibles, % volume as per client specifications
- Key Features: Long term stability, no poisoning, faster response, quick recovery to zero, short-circuit/reverse polarity protected
- Output options: 4-20mA/2-10 V/RS485/Modbus/BAC-net/LON
- Options: Datalogging, integrated relays, Alarm LEDs, LCD display, suitable for on-line continuous process monitoring/sampling (Analysers Application)

IECEX APPROVED TRIPLE IR FLAME DETECTOR

Manufacturer: Rezontech, South Korea
- Triple Spectrum design: Offers high immunity to false alarms with a detection range of 60 m.
- Approved for use in hazardous area with IECEx certification
- Ideal for flame detection for 90° horizontal and vertical view
- Various output options available from dry contact relays, 4-20mA output to RS-485 communication offering maximum flexibility and compatibility
- Stainless steel enclosed with IP67 protection install in any industrial application
- Self-diagnostic test – ensures continued reliable operation

STANDALONE GAS CONTROLLER WITH BUILT IN SENSORS

Manufacturer: MSR Electronic, Germany
- Monitor all toxic, flammable/explosives, refrigerants and oxygen gas
- Sensor-Controller-Alarm integrated in one standalone unit
- Gases: CO, CO₂, NO₂, LPG, H₂, N₂O, Hydrocarbons, H₂S, Ethylene, VOC, Air quality and other toxic and flammable gases
- Measuring Range: ppm for toxic, %LEL for combustibles, %volume as per client specifications
- Key Features: Integrated buzzer, 100-240 V AC operation with option of emergency battery back-up, 2 x relays, 2 alarm LEDs, fault LED with auto diagnostic watch dog (generates and stores error codes), power ON LED, built in key pad for configuration

GAS/PROCESS CONTROLLER

Manufacturer: MSR Electronic, Germany
- For Control & Monitoring of Gas, Pressure, Temperature, Flow and other Field Instruments
- Channel inputs: Analog inputs (4/8/12/16/20/24/28/32), Digital inputs (upto 98)
- Relay/Digital Outputs: 4/8/12/16/20 (potential free 5A)
- Key Features: LCD(HMI), simple configuration with logical system menu in plain English, having full flexibility and password protection, four free adjustable alarm thresholds for each transmitter, with analog re-transmission, with digital inputs
**Electric Actuators**

Manufacturer: Joventa/Frakta, Germany

- Flow Control for Dampers (Air, Smoke, Fire) & Valves
- Torque Range: 2-32 Nm (Joventa), 8-52 Nm (safety drives)
- Operating type: On-off/modulating (voltage/current control signal)
- Simple direct mount with universal adapter, selectable direction of rotation, limitation of rotation angle, manual release button, plug in terminal block connections
- Key Features: With/without spring-back, with/without aux. switch, IP54/66/68 protection housing, with/without explosion proof options, feedback potentiometer
- Applications: Ideal for HVAC building, pharmaceuticals, cement, steel plants, power plants, Oil & Gas and other industries

**Process Field Instruments**

Manufacturer: Fischer Messtechnik, Germany

- Parameters: Differential pressure (0-2.5mbar to 0-40 bar), pressure (0-25 mbar to 0-600 bar), temperature (-50 deg to 600 deg), level (0-250 meter), flow
- Medium: Air, clean gas, non-corrosive liquids (water, milk, oil, etc), corrosive liquids (diesel, hydrocarbon, chemicals, furnace oils, etc), conductive/non-conductive liquid
- Instruments for clean room and laboratory applications, ventilation systems, chemical, pharmaceutical, semiconductor, photovoltaic, biomass and many other applications
- Applications: Ideal for heavy engineering industries, power plants, cement, shipping, nuclear plants, coal mines, steel, automobiles, oil & gas, paper industries, clean room and pharmaceuticals
- Key Features: Robust and rugged design, IP65/67 protected housing, high accuracy, microprocessor-based measurement processing, vibration resistant, high repeatability, overload protection, industrial grade design
- Approvals: ATEX Certified, SIL 2 certified, CE, IEC 61508, GL certified, Marine Grade

**Differential Pressure Switches/Transmitters**

Manufacturer: Beck, Germany

- Parameters: Differential pressure, pressure, over pressure, vacuum pressure, air flow, air velocity
- Medium: Air and clean gas (Model: 930, 984m), corrosive and non-corrosive liquids (Model: 901)
- Application: Filter status monitoring, monitoring flow in ventilation ducts, clean rooms, power plants, automobiles, pharmaceuticals
LEVEL & LEAKAGE (LIQUID) DETECTION

Manufacturer: Jola, Germany
- Instrument type: Magnetic float switch, immersion probes, magnetic switches, level controller, level electrodes, leakage electrodes, cable electrodes
- Media: Non-corrosive liquids (water, oil, etc), corrosive liquids (diesel, hydrocarbon, chemicals, furnace oil, etc), conductive, non-conductive liquids
- Key Features: robust and rugged design, IP68 protected housing, high accuracy, high repeatability, industrial grade design, media-resistant material
- Approvals: ATEX certified, CE, Marine grade
- Application: Heavy engineering industries, power plants, cement, shipping, nuclear plants, coal mines, steel, oil & gas, pharmaceutical, etc