



مجموعة الأنظمة الصناعية
Industrial Systems Group

INDUSTRIAL SYSTEMS GROUP

ISG

Leading
Industrial Manufacturer
in **Saudi Arabia**

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INTRODUCTION

ISG was established in year 2008 as the leading manufacturer of explosion-proof electrical equipment, junction boxes, lighting fixtures, electrical switch racks, FRP cable trays, ladders. Additionally, ISG has also secured Aramco approvals to design, build & integrate analyzer shelters & cabinets, Sample Conditioning Systems, Vibration Monitoring Systems, High Integrity Pressure Protection Systems (HIPPS), Temperature measurement and Gas Detection Systems – locally in Dammam, Saudi Arabia.

Our products & services caters a variety of applications in Oil & Gas, Refineries & Petrochemicals, Power generation, Water & effluent treatment industries, Steel & Cement manufacturing, Food & Beverages & Transportation industries, And with the advent of the Digitalization & Transformation, ISG will also be one of the first local manufacturers of IIoT (Industrial Internet-of-Things) products and solutions.

We are committed to assist our valuable customers in providing solutions to its industry needs.

Vision

Industrial Systems Group (ISG) is dedicated in developing it's own set of corporate performance competencies, aimed to achieve Excellence through innovation, agility and commitment.

Mission

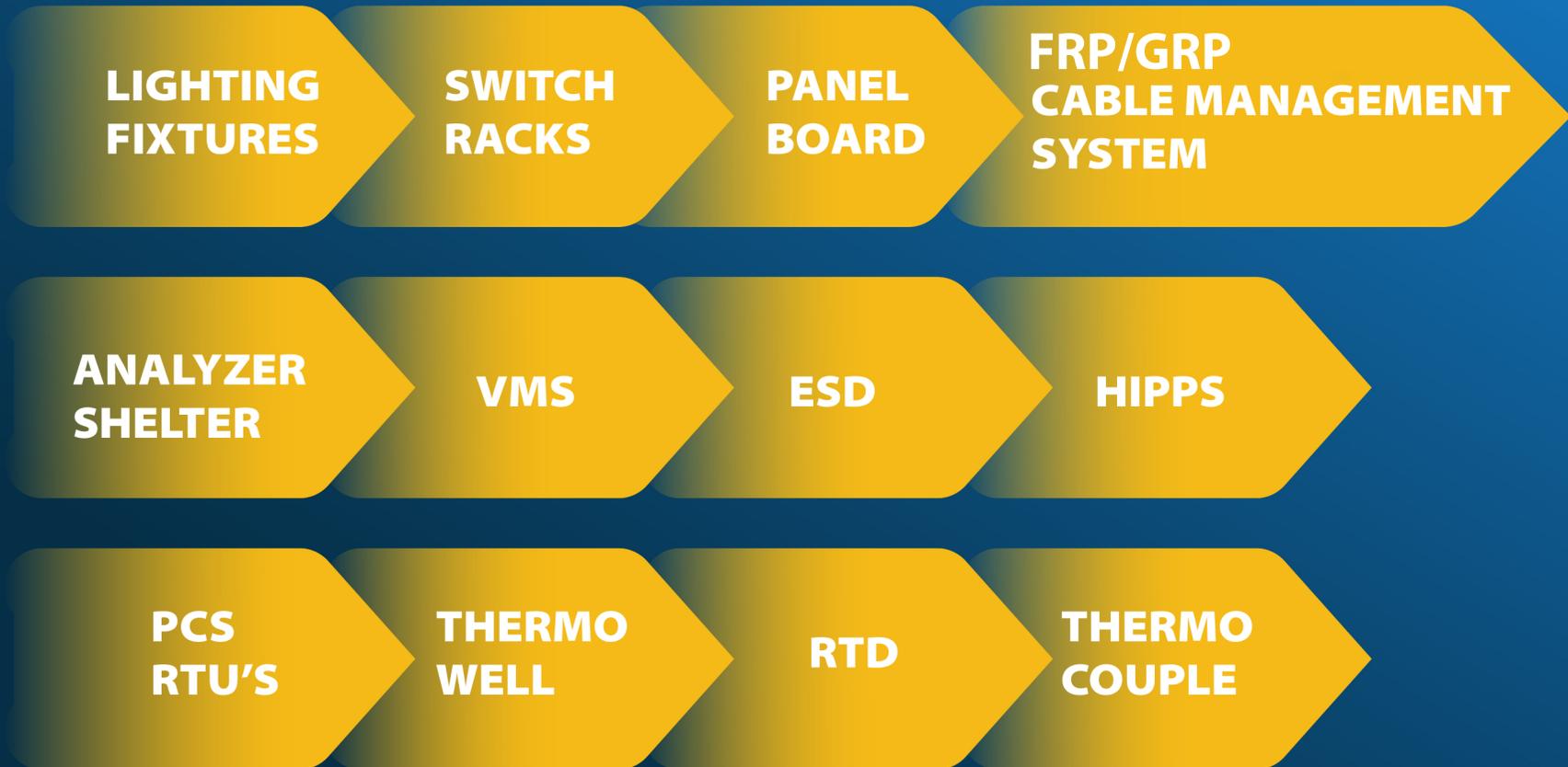
Industrial Systems Group (ISG) is a customer focused company that partners with leading suppliers and transforms presence through innovation, quality and commitment to assist our customers to achieve operational excellence and increase profitability.

Key Industries

ISG operates for the various industries - Petrochemicals, Refinery, Chemicals, Oil & Gas, Power Generation, Steel, Cement, Water & effluent treatment industries, Food & Beverages, Transportation.

THE LOCAL MANUFACTURING LEADER

Electrical & Process Automation Solutions In Saudi Arabia



SPECIALIZED IN

- ◇ **Electrical Systems**
- ◇ **Process Analytical Systems**
- ◇ **Control & Safety Systems**
- ◇ **Process Instrumentations**
- ◇ **FRP/ GRP Solutions**
- ◇ **Valves & Valve automation**
- ◇ **The Industrial Internet-of-Things (IIoT)**



ELECTRICAL SYSTEMS

- **Explosion-Proof Electrical & Instrument Junction Boxes**
- **Local Control Switches and Push Button Stations**
- **Explosion Proof Lighting Fixtures**
- **Instrumentation Junction Boxes**
- **Terminal Boxes**
- **Low-Voltage Explosion Proof Panel Boards**
- **Low-Voltage Non-Ex-Proof Panel Boards**
- **Low-Voltage Outdoor Switch Racks**



CAPABILITIES

ISG Electrical equipment and switch racks are supplied with complete motor control assemblies in one integrated package. Including design & selection of the sub-components rated to the application, electrical switching and controlling requirement.

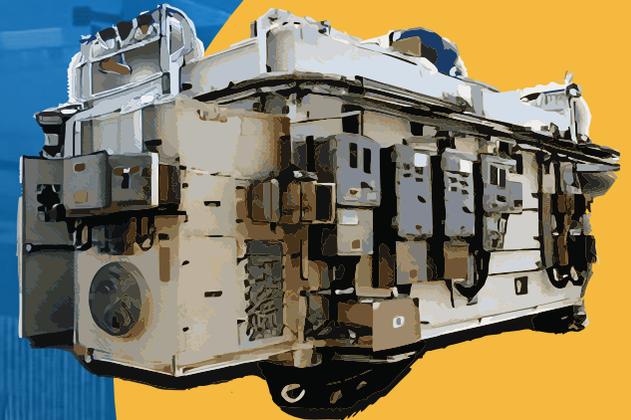
STANDARD FINISHES

- Structure: Steel Galvanized or Aluminum
- Bus Duct: Stainless Steel, Steel Painted, Steel Galvanized or Aluminum
- Corrugated Canopy: Steel Galvanized or Aluminum



PROCESS ANALYTICAL SYSTEMS

- Analyzer Shelters & Cabinets
- Sample Conditioning System
- Process Gas Analyzers
- Process Water Quality Analyzers
- Continuous Emission Monitoring System (CEMS)
- Air Quality Monitoring System (AQMS)
- Analyzer Management System (AMS)
- Predictive Emission Monitoring System (PEMS)



CONTROL & SAFETY SYSTEMS:

- **Condition Monitoring Systems**
- **Machinery Protection System (MPS) / Vibration Monitoring System (VMS)**
- **Distributed Control Systems (DCS)**
- **Emergency Shutdown System (ESD)**
- **High-Integrity Pressure Protection System (HIPPS)**
- **Programmable Logic Controller (PLC)**
- **Remote Terminal Unit (RTU)**
- **Supervisory Control and Data Acquisition (SCADA)**
- **Gas Detection Systems**



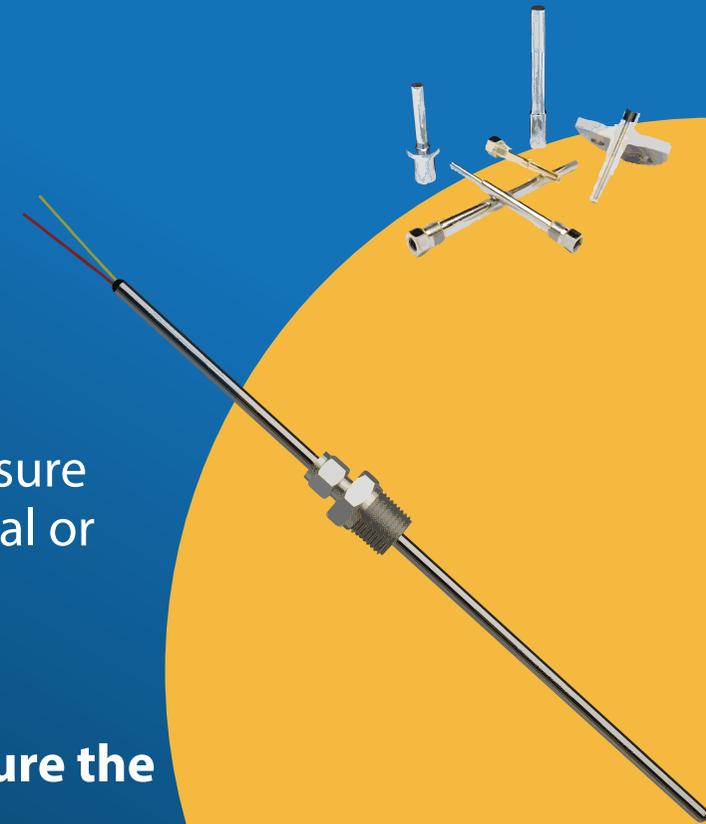
INSTRUMENTATION

Temperature Measurement Systems

Resistance Temperature Detectors are sensors that measure the temperature by utilizing the characteristics of a metal or metal oxide in which its electrical resistivity varies with temperature change and by measuring that resistivity.

Resistance Temperature Detectors are used to measure the temperature accurately.

- Capable of measuring the temperature accurately
- Capable of measuring very low temperatures



INSTRUMENTATION

Gas Detection System

Intelligent Gas Detector and Transmitter: offers powerful features which minimize the time operators spend in hazardous areas performing routine maintenance

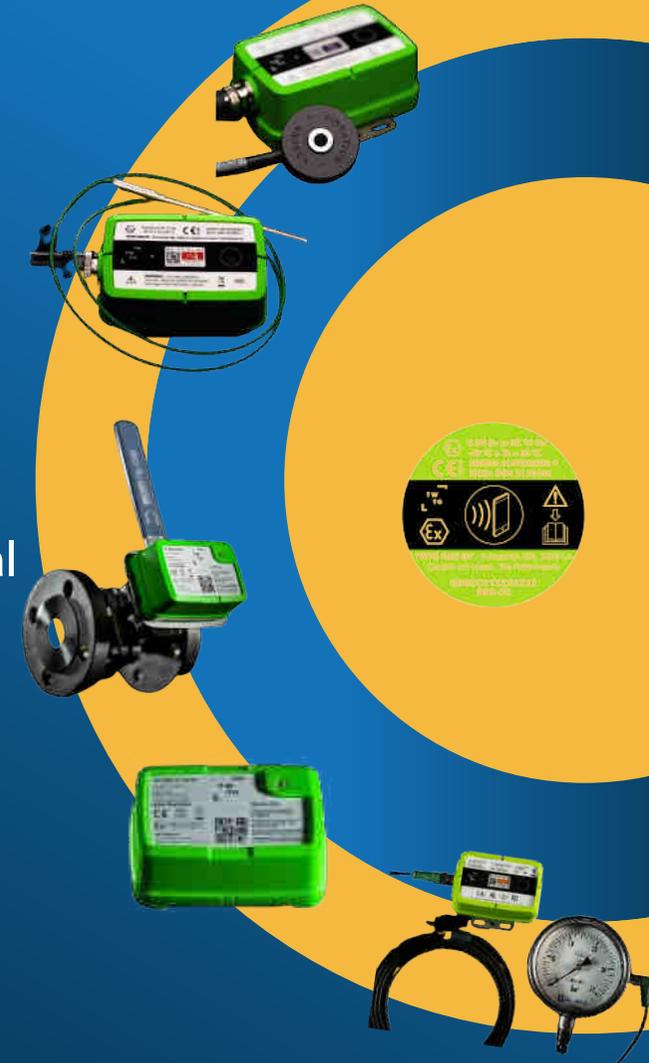
Easy to use

Positive Safety indicator	Status checking at a glance and from a distance.
OLED display	Bright, clear display indicates gas level even in dark locations.
Buttons	Function performed via buttons, without the need for special magnets or tools
Event log	Clear history of detector use.



INDUSTRIAL INTERNET-OF-THINGS (IIOT)

- **NEON Pressure Sensor**
Measure pressure continuously best design for digital & analogue workflows
- **NEON Vibration Sensor**
Condition-based monitoring for industry 4.0 assets
- **NEON Temperature Transmitter**
Connects to specified Thermocouples & transmits a monitoring signal
- **NEON Contact Sensor**
Alerts on any deviations from existing safety Protocols
- **NEON Valve Sensor MT**
Tailor made for multi-turn/360 degree Valves



FRP/GRP

CABLE MANAGEMENT SYSTEM

- Cable Tray
- Cable Ladder
- Instrument Stand
- Strut & Mechanical



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