

# Process Automation and Environment Monitoring Instrumentation you can trust, for Fertilizer Industry



## Solutions for Highly Demanding Applications

### Analytical Solutions

- **Continuous Emission Monitoring Systems (CEMS)** for Stack Gases, to measure SO<sub>x</sub>, NO<sub>x</sub>, CO, CO<sub>2</sub>, Hg etc.
- **Dust / Opacity monitors** for stack exhaust gases, ESP performance etc.
- **Ambient Air Quality Monitoring Systems (AAQMS)** for SO<sub>2</sub>, H<sub>2</sub>S, NO<sub>x</sub>, NH<sub>3</sub>, CO, CO<sub>2</sub>, PM10, PM2.5 Sampling and SCADA for Pollution Monitoring & Reporting
- Combustion Control Analysers - CO & O<sub>2</sub> Analyzers
- SO<sub>2</sub> & O<sub>2</sub> Analyzers for Flue Gas Desulphurization
- NO<sub>x</sub> & O<sub>2</sub> Analyzers for De-NOX Systems
- **Flame & Gas Detection Systems** for Toxic, Flammable, Hazardous Gasses, Point IR Gas Detectors, Catalytic, Electro-chemical & Flame Detectors etc.

### FLOW Metering Skids for Liquids & Gases

- **Gas Conditioning Skids** for Natural Gas Applications
- Liquid Metering Skids for Chemicals.

### Metering and Measurement Solutions

- **Displacer Level** Transmitters & Mechanical Level Gauges for Boiler Drum Level Control in Power Plant
- Nucleonic **Density** Transmitters for Coal Ash Slurry
- Electro-Magnetic & Ultrasonic **Flow Meters** for utilities like Raw Water & DM Water in CPP
- **Ultrasonic Gas Flow Measurement** for Flue Gas Emission
- **Coriolis Flow Meters** for Fuel Oil Flow Measurement
- Admittance, Nucleonic, Diaphragm, Paddle **Level Switches** for Powder & Bulk Solids in ESP, Storage Silos & Liquids.
- **Temperature** RTD's, Thermocouples, T/W & Transmitters
- **Gas Regulators** for Air/ Natural Gas : Self acting Direct & Pilot Operated

### Steam Engineering Solutions for the CPP

- **PRDS** (Pressure Reduction & Desuperheating)
- De-Superheaters / Attemperators for Steam
- **Turbine by-pass valves** HP/LP Valves for Steam
- **Control Valves** for HP/ LP Steam and Water

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