

## ***Aggressive Processes & Environment of the PULP & PAPER Industry need robust, reliable and proven Process Control Instrumentation***



### ***Solutions from Measurement to Monitoring of Pulp & Paper Processes and the Environment***

As a leading solutions provider in **Process Analytics, Continuous Emission and Environment Monitoring, Steam Engineering solutions, Process Control Instruments, Terminal Automation, Flow Metering & Custody Transfer Systems** and Utility Management Systems, we understand the importance of reliable measuring solutions for the **Pulp & Paper Industry**, which makes plants run 24x7. Contact us for more information in the field of :

#### **Process Analytics & Product Solutions :**

- ⊕ Process Analyzers | Mass Spectrometers | Gas Chromatographs | Photometric Analyzers | Steam & Water Analysis System Packages | Integrated Analyzer package system with Shelter | HVAC, Split and Window Air Conditioning units for installation in hazardous and non-hazardous areas | Specialized Analytical solutions.

#### **Continuous Emission Monitoring Systems (CEMS) :**

- ⊕ Measurement & Monitoring of Stack Emission gases like SO<sub>x</sub>, NO<sub>x</sub>, CO, CO<sub>2</sub>, NH<sub>3</sub>, HCL, HF, THC, Hg
- ⊕ Dust Concentration & Opacity monitoring Analyzers

#### **Ambient Air Quality Monitoring Systems (AAQMS) :**

- ⊕ SO<sub>2</sub>, H<sub>2</sub>S, NO<sub>x</sub>, NH<sub>3</sub>, CO, CO<sub>2</sub>, O<sub>3</sub>, HC, BTX, PM10, PM2.5
- ⊕ Sampling and SCADA for Pollution Monitoring & Reporting
- ⊕ Report Generation on Hourly/ Weekly/ Monthly/ Yearly basis for Pollution Boards

#### **Flame & Gas Detection Systems :**

- ⊕ Toxic, Flammable, Hazardous Gasses, Point IR Gas Detectors, Catalytic, Electro-chemical & Flame Detectors etc.
- ⊕ Detection Systems with/ without SIL certified controlling & PLC conforming to IEC 61508
- ⊕ SIL2 certified Hybrid sensors & SIL3 certified controllers

#### **Steam Engineering Solutions :**

- ⊕ PRDS (Pressure Reduction & Desuperheating) Stations – Split & Combined
- ⊕ De-Superheaters / Attemperators for Steam Applications
- ⊕ Turbine By-pass valves HP/LP Valves for Steam.
- ⊕ Control Valves for HP/ LP Steam and Water

#### **Metering and Measurement Solutions :**

- ⊕ Displacer **Level Transmitters** for Level, Interface & Density
- ⊕ Ultrasonic High Temperature **Flow Meters** for Process Lines, Thermic Fluids
- ⊕ Ultrasonic Gas Flow Meters : Insertion and Clamp-on type
- ⊕ Coriolis Mass Flow Meters for various Processes
- ⊕ Nucleonic & Admittance Level Measurement Switches and Continuous Level Measuring instrumentation
- ⊕ Temperature RTD's, T/C, Multi-point Elements, Thermo-wells & Transmitters
- ⊕ Gas Regulators for Air/ Natural Gas : Self acting Direct & Pilot Operated

#### **FLOW Metering Skids for Liquids & Natural Gas :**

- ⊕ Conditioning & Metering Skids for Natural Gas Application
- ⊕ Liquid Metering Skids for Chemicals & Hydrocarbons

# Sales & Service Network in India & Jebel Ali



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