



Over **3 decades** of impeccable credentials

in Process, Environment, and Utility Management



- Founded in 1975
- Leading solutions provider in Process Analytics, Process Automation, Process Measurements, Environment Monitoring, and Energy Management
- A team of over 450 dedicated and committed personnel across India and in the Middle East
- Certified ISO 9001-2008 company

- Recipient of the “**Excellence In System Integration Business**” award conferred by ISA, 2 years in a row for Process Analytics
- Group Companies :
 - Chemtrols-Samil:** A Joint Venture with Samil - Korea, manufacturing flow sensors, level gauges, level switches, spray nozzles, plug valves, etc.
 - Envirex India:** Renewable Energy generation
 - Goa Invescast:** Manufacturing high precision investment castings
- State-of-the-Art Research and Development Center for Biotechnology

Chemtrols Industries Limited - designs, manufactures, and supplies Process Analytical, Continuous Emission and Environment Monitoring, Terminal Automation, Energy Management, and Flow Metering & Custody Transfer Systems and Process Control Instruments. We are committed to:

- Meet / exceed customers' expectations by providing Quality Products and Services.
- Excel in all spheres of management through continual improvement of products, processes and systems to satisfy customers, suppliers, employees, and stakeholders.
- Involve people at all levels of the organization to achieve the organisation's objectives.
- Take decisions and implement actions based on analysis of data and information in order to ensure improvement and growth.
- Ensure that processes employed and products delivered meet applicable safety, health, and environment standards.

- Process Analytical Systems
Continuous Emission Monitoring Systems
Ambient Air Quality Monitoring Systems
- Flow Automation & Custody Transfer
 - » Gas
 - » Liquid
- Petroleum Terminal Automation
- Process Variable Measurements
- Steam Conditioning & Fluid Control
- Energy Management
- Biotechnology



- Application data review and Proposal engineering
- Front-end engineering, procurement, manufacturing, fabrication... in-house!
- Integration with overall automation system
- Evaluation, selection and installation of products suitable for hazardous area and certification from statutory agencies
- Factory Acceptance Test as per Quality Plan
- Plant start-up and commissioning assistance
- Failure diagnostic systems
- Short-term and Long-term maintenance services for peak performance
- Customized training on Instruments and Systems
- Data transmission and documentation – Electronically and Hard copy
- Expert management of all commercial and financial transactions



Headquartered in Mumbai

Manufacturing facilities in Maharashtra and Goa

Regional Offices in major cities of India and in Sharjah, UAE.





Chemtrols

Industrial Applications - Power

- Boiler Drum Level Control, HP & LP Heaters
- Steam and Water: Pressure and Temperature Transmitters Thermocouple, RTD
- Continuous Emission Monitoring Systems -Sox, Nox, CO & CO2 & Dust
- Combustion Control - CO Analyzers for Economiser inlet
- Combustion Control - O2 Analyzers for Air Heater inlet & outlet
- SWAS - Steam, Water and Analysis Systems. Ph, Conductivity, DO, Chlorine, Silica, Sodium, Phosphate and Hydrazine,
- H2 Purity for Generator Application
- Nucleonic Density Transmitters for Ash & Water Ratio
- Ultrasonic Flow Measurement for Online Sea Water, Raw Water, DM Water, and Portable Water
- Ambient Air Quality Monitoring Systems for Sox, Nox, CO, CO2, and RSPM 10 / 2.5
- Portable Ultrasonic Flow Measurement for Utility & Energy Audit of Water
- Dust Analyzers for ESP performance
- SO2 & O2 Analyzers for Flue Gas Desulphurisation
- Nox & O2 Analyzers for De Nox Application
- Ultrasonic Flow Transmitters for Volumetric Emission Measurement
- Oil Measurement based on Mass Flow & PD Meter
- CO Measurement in Coal Mill Application
- Displacer Level Transmitters



- Turbine by-pass valves HP/LP Valve for Steam
- Desuperheaters / Attemperators for Steam
- Ejectors and Gland sealing SPRDS
- Dearator PRDS
- Dump PRDS
- Control Valves for LP Steam and Water
- Gas Chromatographs for Natural Gas Application
- Calorific Analyzers for Natural Gas & Associated Gas application for Combustion Chamber
- Metering Systems include Ultrasonic Flow Meters for Gas
- Density Meters for Gas application
- Gas Conditioning Skids for Natural Gas Application

Oil & Gas



- Process Analyzer Systems
- Physical Property Analyzer Systems
- Continuous Emission Monitoring Systems
- Process Parameter Measurement Systems
- Flow Metering and Proving Systems
- Combustible and Hazardous Gas Detection Systems
- Ambient Air Quality Monitoring Systems
- SCADA
- Fuel Retail Outlet Automation
- Closed Sampling Systems
- Displacer Level Transmitters
- Level Gauges

Fertilizer



- Process Gas Analyzers
- Stack Gas Analyzers
- Steam and Water: Pressure and Temperature Control
- Ambient Air Quality Monitoring Systems
- Ultrasonic Flow Meters for Process and Stack
- Analyzer Systems for CDM Projects
- Displacer Level Transmitters
- Level Gauges

Steel



- Gas Analyzer Systems for
 - i) Blast Furnace gas
 - ii) Coke Oven gas
 - iii) LD Converter gas
 - iv) CEMS
- Dust / Opacity monitors
- Calorific Value / Wobbe Index Analyzers
- Ambient Air Quality Monitoring Systems
- Ultrasonic Flow Meters for waste gasses
- Displacer Level Transmitters

Cement



- Gas Analyzer Systems for
 - i) Kiln In-let with retractable probe
 - ii) Calciner outlet
 - iii) Preheater, Coal Mill, Coal bins
 - iv) CEMS for Main Stack and CPPs
- Dust / Opacity monitors
- Ambient Air Quality Monitoring Systems
- Stack Gas Flow Meters
- SWAS for CPPs

Chemicals & Petrochemicals



- Process Gas Analyzers
- Stack Gas Analyzers
- Steam and Water: Pressure and Temperature Control
- Ambient Air Quality Monitoring Systems
- Ultrasonic Flow Meters for Process and Stack
- Analyzer Systems for CDM Projects
- Displacer Level Transmitters
- Level Gauges



Chemtrols

Process Analytics and Environment Monitoring - Systems

- Process Analyzer Systems
 - Online Moisture Analyzer Systems
 - Process Gas Chromatographs
 - Sulphur Analyzer Systems
 - Process Mass Spectrometers
- Ambient Air Quality Monitoring Systems
- Continuous Emission Monitoring Systems
- Petroleum Product Blending Analyzer Systems
- Steam Water Analysis Systems

Analyzer Shelter



Analyzers inside Analyzer House



Mobile Air Quality Monitoring System



Air Quality Monitoring Station





Ambient Analyzers mounted on Rack

CEMS with Cabinet





Chemtrols

Process Analytics and Environment Monitoring - Products

- HVACs
- Dust Monitors
- Gas Analyzers
- Oxygen Analyzers
- BTU Chromatographs
- Water Quality Analyzers



Process Analytics and Environment Monitoring - Products

Gas Chromatographs inside Analyzer Shelter



HVAC



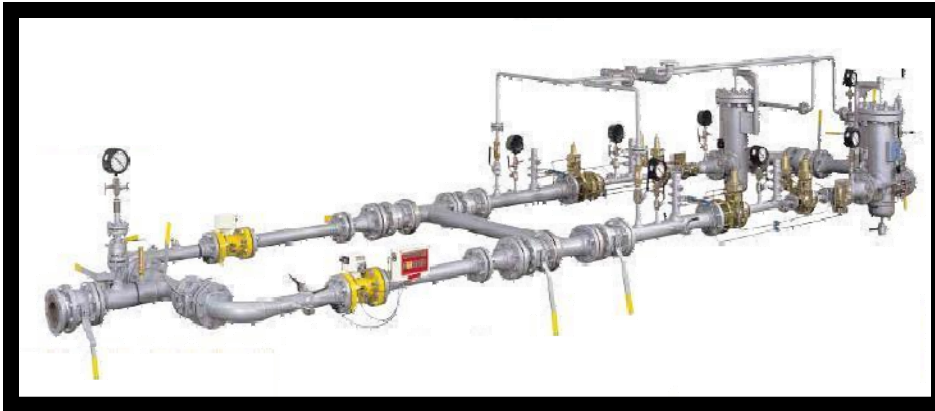
Distillation, Flash Point, Pour Point, and Sulphur Analyzers for Blending project



- Flow Metering & Custody Transfer Systems
 - Gas metering skids
 - Liquid metering skids
- Petroleum Terminal Automation
 - Automation of liquid fuel transfer, loading, and decanting from source to end point
 - Measurement of flow, pressure, temperature
 - Online quality check of multi-product petroleum pipelines
- Natural Gas Odorising Systems
- Natural Gas Heating Systems



- Pressure Regulators
- Mass Flow Meters
- Multiphase Flow Meters
- Ultrasonic Clamp-on Flow Meters
- Variable Area Flow Meters
- Gas Metering
 - Rotary Meters
 - Turbine Meters
 - Volume correctors
 - Calibration Bench
 - Ultrasonic Flow Meters for Gas
- Liquid Metering
 - PD Meters
 - Turbine Meters
 - Ultrasonic Flow Meters for Liquid



Metering Skids



Metering skid with RPD Flow Meter



Metering skid



Terminal Automation System comprises:

- Tank Farm Management System
- Barrier Gate
- Control room equipments
- TA software
- PLC system for tank truck loading facility
- Mass Flow Meter based Ethanol blending / Dosing system in header line

Automated liquid fuel loading bay stations for trucks / wagons



Control Room



Fuel Loading System





Odorisation Unit



- Process Instruments
(Level, Pressure, Flow, and Temperature)
- Online Non-Contact Level and Density Measurement
- Moisture Measure of Coke
- Interface Solution Products
- Twin Vibrating Tube Liquid Density meter
- Vibrating Spool Gas Density meter
- Closed Loop Sampling Systems
- Steam Engineering
 - Control Valves
 - Pneumatic Actuators
 - DeSuperheaters
 - PRDS

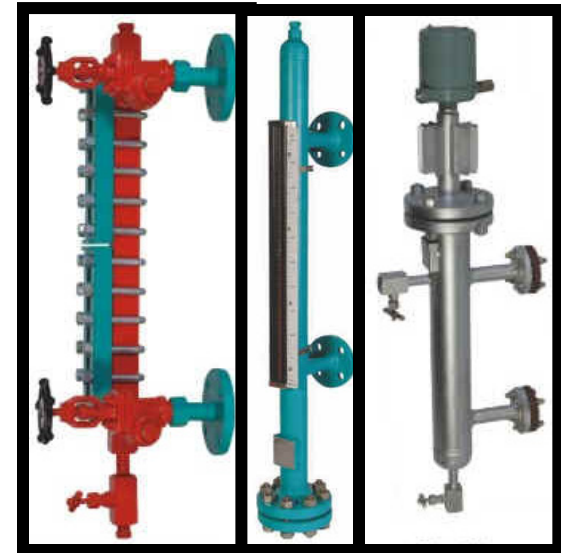
Displacer Level Transmitter



Rotameter



Level Instruments



DeSuperheater



PRDS



Control Valve





Chemtrols

Utility Management Systems

- Remote Terminal Units
- SCADA
- Substation Automation

Remote Terminal Unit



- Research and Development Center to explore opportunities in Biotechnology
- Approved by the DSIR, Ministry of Science and Technology, Government of India
- Developed highly cost-effective range of Group V Synthetic esters and diesters as baseoils for lubricants - Envirol & Envirol^{HP}



Some of our Customers - India

- ACC
- Akerkvaerner Power Gas India Pvt. Limited
- Alstom Power India Limited
- Bhabha Atomic Research Center
- Bharat Heavy Electricals Limited
- Bharat Petroleum Corporation Limited
- Birla Copper
- Brahmaputra Valley Fertilizers and Chemicals Limited
- Central Pollution Control Board
- Chambal Fertilizers & Chemicals Limited
- Chennai Petroleum Corporation Limited
- Development Consultants Pvt. Limited
- Engineers India Limited
- Essar Group of Companies
- FACT & FEDO
- Fertilizers Corporation of India Limited
- Finolex Industries Limited
- Garware Chemicals Limited
- GAIL
- Gujarat Alkalies and Chemicals Limited
- Gujarat Narmada Valley Fertilizer Co. Limited
- Gujarat State Fertilizers Co. Limited.
- Hindustan Paper Corporation Limited
- Hindustan Zinc Limited
- Hindustan Petroleum
- Indian Oil Corporation Limited
- Indian Farmers Fertilizer Co-Operatives Limited
- Indian Petrochemicals Corporation Limited
- Indo Gulf Fertilizers & Chemicals Corp. Limited
- Ispat Mettalics Limited
- Jacobs H & G Limited
- Kerala Minerals & Metals Limited
- Karnatake State Pollution Control Board
- Kochi Refineries Limited

- Larsen & Toubro
- Linde Process Technologies
- Mangalore Refineries & Petrochemicals Limited
- Mazagaon Dock Limited
- Maharashtra State Pollution Control Board
- National Thermal Power Corporation Limited
- National Fertilizer Limited
- National Environmental Engineering and Research Institute
- NALCO
- Nuclear Power Corporation Limited
- Numaligarh Refinery
- Oil and Natural Gas Corporation
- Oil India Limited
- Power Grid Corporation Limited
- Projects & Development India Limited
- Rain Calcining Limited
- Rashtriya Chemicals & Fertilizers Companies
- Reliance Industries Limited
- Steel Authority of India
- Tata Consulting Engineers
- Tata Chemicals Limited
- Tata Electric Company
- Tata Power
- Tata Steel
- Technimont ICB Pvt. Limited
- UHDE India Limited
- Valdel Engineers & Constructors Pvt. Limited
- Zuari Industries Limited



Some of our Customers - Overseas

- Alexandria Carbon Black Co. - Egypt
- Carraro - Italy
- Gas Service International Ltd. - Singapore
- Houston Atlas - USA
- Hyundai Heavy Industries - Korea
- LG Engineering and Construction Co. - Korea
- Petrofac International Ltd. - Sharjah
- Samsung Engineering Co. - Korea
- Saudi Formaldehyde Chemical Co. Ltd. - SA
- Siemens Applied Automation - Singapore
- Snamprogetti - Italy
- Technip - France
- Nash International - Singapore
- PT Indorama - Indonesia
- Twinplus Automation Co. Ltd. - Taiwan
- Ceylon Petroleum Corporation – Sri Lanka
- Ashuganj Power Station - Bangladesh