

# COMPANY PROFILE

**INSTRUMENTATION SOLUTIONS PROVIDER  
FOR**



# COMPANY PROFILE

Established in 2005, Potence Controls Private Limited ( PCPL ) is a premier **Manufacturer of Water Quality Analysers**. Along with manufacturing we also provide solutions for Real Time Monitoring of various Analytical parameters as per the needs of the application in Water, Gas & Process measurements.

Right from Design and Development to Commissioning, our analyser systems include but are not restricted to Panels / Purged Panels, Flame Proof and Ex-Proof enclosures, Sample Handling Systems etc.. Having worked on several Projects in India and Overseas with leading EPCs, Consultants and Licensors, we have ample expertise to serve this domain.

We are located in Mumbai, India with a team strength of 25 people from different regions of expertise to accomplish a common goal of providing the best solutions in Analytical Instrumentation. We have presence spread across India either through our direct team or qualified and well-trained Channel Partners.



## VALUES

Our Consistent Growth in the Analytical Segment is attributed to the core values imbibed in the organization



### **QUALITY**

No Compromise ; be it products we manufacture, Systems we Design or Services we provide, there is an unflinching commitment to Quality



### **CONSTANT INNOVATION**

Every member within the POTENCE family is Committed to Excel, to provide the best that can be provided and to constantly Innovate and Upgrade



### **CUSTOMER REIGNS SUPREME**

Constant Customer Feedback on the Products & Services is measured and changes brought into effect to provide Customer Delight.

## ABOUT US

We DESIGN, DEVELOP & MANUFACTURE our own range of world class instruments for measurement of parameters in Water. Along with this, our strength lies in Integrating a system around a customer specific requirement based on their application. Be it in Safe Area or Haz Locations, be it Indoors or Outdoors or with demanding process conditions even with High Pressure and High Temperature or any other Harsh conditions, we devise and integrate systems to accurately measure and report data.

- **Manufacturer of Online Water Quality Analysers**
- **Providers of Gas Analysers**
- **System Integration & Sample Handling Systems**
- **Environment Monitoring Systems**
- **Associations with World Leaders in Analytical Technology**
- **Safety Alarm and Shutdown Systems**



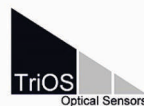
## MANUFACTURING

Inspired by our several years of experience in supplying, world class instrumentation to the industry and looking at the need of the hour, we started our own manufacturing of Analytical Instrumentation for Measurements of Physical and Chemical parameters in water.

With State of the Art technologies available for Design and Development, we are proudly competing with top of the line manufacturers for our space in this segment

## REPRESENTATION / ASSOCIATIONS

With a strong technical team and a will to provide a ONE STOP solution to the customer for their Analytical Measurement requirements, we are associated with leading suppliers from across the Globe for their range of products. Some of the premier names amongst these are



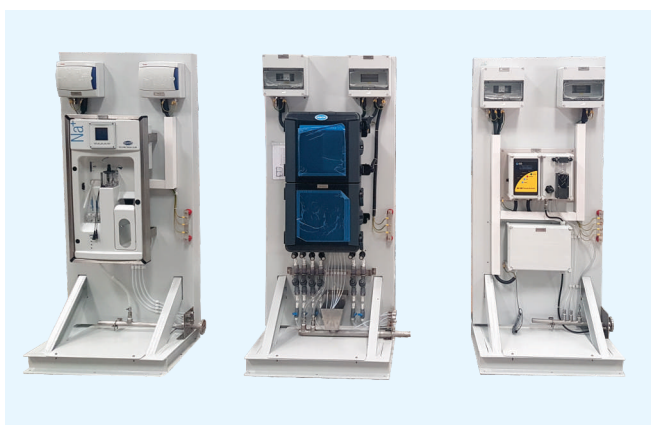


## INFRASTRUCTURE

POTENCE Head office and works are based in Mumbai, the commercial capital of India. We have combined floor space of 5000 Sq feet for manufacturing and integrating of systems including an ancillary unit at Bhiwandi on the outskirts of Mumbai for Heavy Engineering jobs like Panels, Sample Handling skids etc..



To add to the above, we have FAT Capabilities for the products that we manufacture and systems that we Integrate.



## TEAM



# PRODUCTS OFFERED

## Water Quality Analysers

### Potence Controls

Sensors and Transmitters for

- pH /ORP ; Conductivity /TDS
- Turbidity / TSS
- Dissolved Oxygen / Chlorine



### Systea Spa, Italy

Water / Waste water special Analysers like

- Total Nitrogen / Phosphorous
- Ammonia / Ammonical Nitrogen
- Alkalinity / Hardness
- Fluoride / Chloride

Customised Analysers for various parameters



### Dr. Thiedig, Germany

Analysers for Power Plants

- Silica / Sodium
- Dissolved Oxygen / Hydrogen
- Degassed Cation Conductivity



### Trios, Germany

Insitu probes for Surface water, Lakes / Ponds / Rivers and Waste water Monitoring

- COD / BOD / TSS / TOC
- Chlorophyll / Algae
- Nitrate / Nitrite / Phenols
- Oil in Water



## Gas Analysers

### Systech Illinois, UK

Clean Gas Analysers for Oxygen, Moisture, Binary Gas mixtures

- Oxygen - ElectroChemistry, Zirconia, Paramagnetic
- Moisture - Aluminium Oxide ; Phosphorous Pentoxide
- Binary Gas - Thermal Conductivity



### Awite, Germany

Bio Gas Analysers for Solid Fill and Waste Water Recycling plants

- $H_2S$  ;  $CH_4$  ;  $CO$  ;  $CO_2$  ;  $O_2$
- Desulfurisation measurement



### United Electric Controls, USA

Safety ; Alarm and Shutdown Systems

- Pressure Switches
- DP Switches
- Temperature Switches
- Universal Wireless HART Gas detection systems for Hydrocarbon and other parameters





## ENVIRONMENTAL SOLUTIONS

We provide solutions for Effluent Quality Monitoring Systems (EQMS) and Continuous Emission Monitoring Systems (CEMS) and the relevant Software for **REGULATORY Compliance with POLLUTION CONTROL BOARDS**. Parameters covered are

- COD / BOD / TSS / pH
- Ammonical Nitrogen / Total Nitrogen / Phosphorous
- Chromium; Phenols; Cyanides and many more



### Real Time Report

Data last received on  
2 minutes ago

CPCB Last Update Time  
23 minutes ago

66.23 mg/l  
ETP\_1\_Outlet-BOD  
15 Min Avg: 69.31 mg/l  
Limit: 100 mg/l Range: 0 - 1000

91.85 mg/l  
ETP\_1\_Outlet-COD  
15 Min Avg: 95.80 mg/l  
Limit: 250 mg/l Range: 0 - 1000

83.0 mg/l  
ETP\_1\_Outlet-TSS  
15 Min Avg: 82.00 mg/l  
Limit: 100 mg/l Range: 0 - 1000

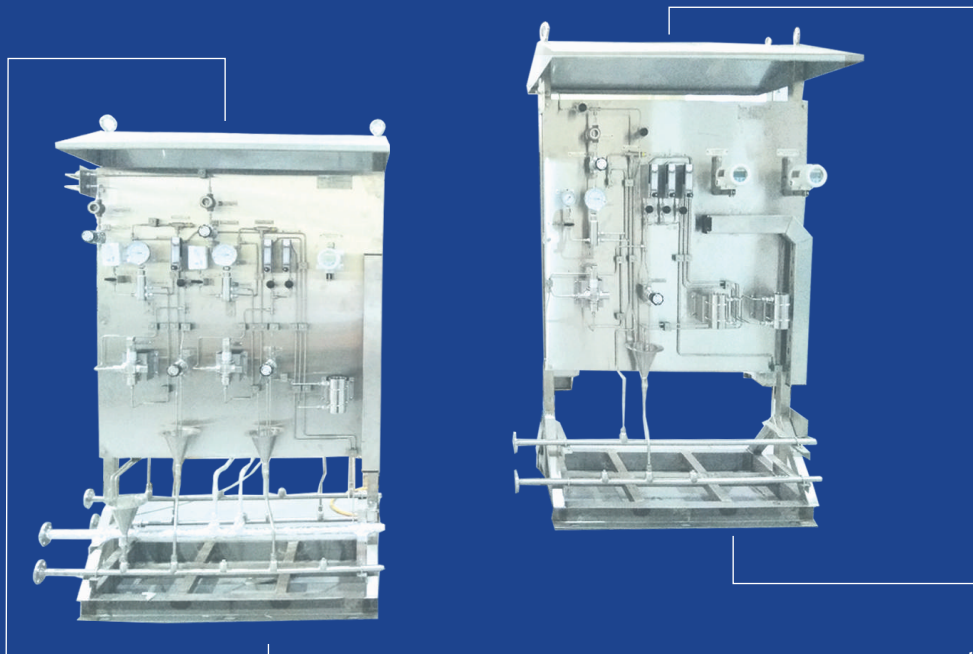
7.32 pH  
ETP\_1\_Outlet-pH  
15 Min Avg: 7.41 pH  
Limit: 6.0 - 8.5 pH Range: 0 - 14

## REFERENCES

- NTPC
- Godrej IT Park
- Kores India Ltd.
- BPCL
- Blue Circle Organics Pvt. Ltd.
- L&T
- Lupin
- Johnson Matthey Chemical India Pvt. Ltd.
- Nirma Ltd. And many more

## Sample Handling Systems And Integration

On several occasions the Analyser systems require appropriate Sample Handling and Integrated Systems as ancillaries for OPTIMAL PERFORMANCE. We have been providing these systems to the industry since the last 15 years and have almost 300 projects to our credit.



## PROJECTS



Customer : Reliance Industries Limited  
Project : J3 – Wastewater Treatment  
EPC : Vatech Wabag, Chennai  
Consultants : Fluor, Bechtel, Jacobs  
Analyzers : Cyanide, Fluoride, TOC, Lead, Phenol, Nitrite, SDI

Customer : ONGC Petro Additions Limited (OPAL), Dahej - Gujarat  
Project : Wastewater Treatment Plant  
EPC : Hindustan Dorr Oliver, Mumbai  
Consultants : Engineers India Limited, New Delhi  
Analyzers : Oil in Water, Sulphide, TOC, Silica.



Customer : Barhi CETP, Haryana  
Project : Municipal Common Effluent Treatment Plant  
EPC : UPL Environmental, Mumbai  
Consultants : Gharpure Engineering, Pune  
Analyzers : COD/BOD/TSS, Nitrate, Phosphate

Customer : PDO Oman  
Project : Yibal Khuff  
EPC : Aquatech Asia  
Consultants : Petrofac  
Analyzers : Silica and SDI



Customer : IGPL  
Project : CEMS ( Continuous Emission Monitoring System ) for CPCB  
Product : Stack Gas Monitoring for Sox Nox O<sub>2</sub>, Dust Monitor.














## OUR CUSTOMERS



					
					
					
					
			 सेल SAIL स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड	 We create chemistry	 Refreshing the Planet

## PROJECTS EXECUTED WITH

 AVANT-GARDE ENGINEERS AND CONSULTANTS (P) LTD	 AkerSolutions	 Development Consultants Private Limited	 ENGINEERS INDIA LIMITED	 FICHTNER	 JACOBS
 LARSEN & TOUBRO	 मेकोन ISO 9001 Company	 Punj Lloyd	 SAMSUNG	 TCE Consulting Engineers Limited	 TOYO INDIA



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