

Custom Built / Tailor Made Instrumentation Skids

CHEMIN C & I[®]
SINCE 1981
MSME NATIONAL AWARD WINNER

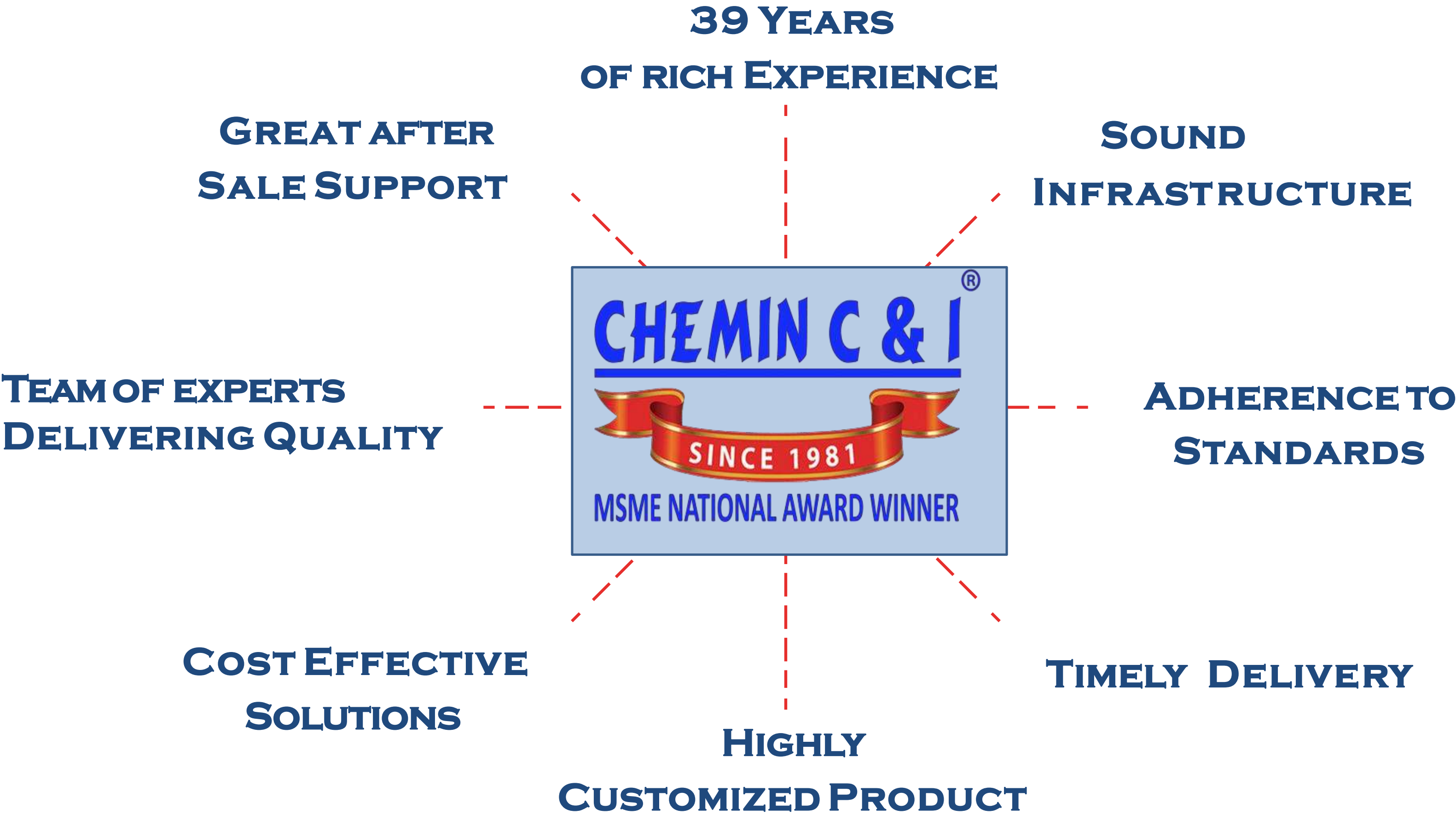


ABOUT CHEMIN

- Chemin C&I Pvt. Ltd., Established in the year 1981 by Sri. P. Rangaraj , CMD, and Instrumentation Professional, several Prestigious Awards winner including award from President of India , Life time achievement award from Institute of Engineer India, in Automation sector, Past President, ISA - South India Section.
- Three Decades of proven experience in Electrical, Instrumentation Process Control systems and Plant Illumination serving at various Power Plants, Sugar Plants, Paper, Cement, Steel Plant, Refinery Petro-Chemical, Water treatment, CGP Co-gen, various Chemical Plants, etc., in Government, Private Sectors & Overseas customers.
- Human Resource of more than 1000 Strong E & I Professionals working at Engineering office, manufacturing plants and various Project sites spread over India & abroad.
- Certified for ISO 9001:2008, ISO 14001:2004, BS OHSAS 18001:2007 by Bureau Veritas Certification.
- Manufacturers of PLC Panels, DCS Panels, Control Panel, Control Desk, Electrical Panels for LT and HT, Transformer cubicles, VFD Panel, various electrical systems and Panels, Calibration Test Benches, Process Simulation Skid and Specialized / Custom built / Tailor made Instrumentation & Electrical Power Panels.



For more information visit our
website www.chem-in.com



39 Years of glorious service to the Nation through “Instrumentation”

Process Simulation Skid supplied to M/s. DOW Chemicals, Chennai

Description

This skid is part of the Instrumentation and Process Control program, which uses modern equipment and a complete curriculum to assimilate the theoretical and practical knowledge.

Features & Benefits

- ❖ Smart transmitters and control valves implemented using HART or FOUNDATION Field bus communication protocols
- ❖ Local and Remote Control Facility through DCS/PLC.
- ❖ Real-world, large-scale process loops implemented in a space-efficient work environment.



Process Simulation Skid supplied to M/s. Kuwait University through M/s. Equate Petrochemicals.

Description

Pressure, Flow, Level, and Temperature Process Simulation Skid for training purpose which introduce students to a wide range of industrial processes, as well as to their instruments and control devices.

Features & Benefits

- ❖ Modular system that allows a wide variety of configurations.
- ❖ Local and Remote Control Facility through DCS/PLC.
- ❖ Real-world, large-scale process loops implemented in a space-efficient work environment.



Process Simulation Skid of Pressure and Flow Controls supplied to **M/s. Saudi Aramco** through **M/s. Yokogawa**

Description

This system features training on complex control loop strategies such as Pressure & Flow Controls

Features & Benefits

- ❖ Different controller options depending on the objectives and budget
- ❖ Local and Remote Control Facility through DCS/PLC.
- ❖ Real-world, large-scale process loops implemented in a space-efficient work environment.



Description

Continuous stirred-tank reactor model is used to estimate the key unit operation variables using a continuous agitated-tank reactor to reach a specified output

Features & Benefits

- ❖ Fast response temperature control system
- ❖ Advanced process control strategies such as ratio, feed-forward, and split-range



Design, Complete Engineering , Fabrication, Supply, Erection, Testing and Commissioning of Flow Calibration Test Facility to **M/s. Department of Atomic Energy**

PRODUCT DESCRIPTION:

Calibration Range is 10 m³ to 180 m³ with an high accuracy of 0.1%

SALIENT FEATURE:

- ❖ Calibration can be done up to 5 Flow meters simultaneously for different ranges of Flow meter i.e. from ½” to 6”.
- ❖ Fully Automated control with PLC and VFD.
- ❖ Auto Calibration report Generation. Long Endurance and Maintenance Free



Design, Complete Engineering, Fabrication and Supply of Flow Calibration Test Facility to
M/s. Yokogawa India, Bangalore

PRODUCT DESCRIPTION:

Calibration Range is 10 m³ to 150 m³ with an high accuracy of 0.1%

SALIENT FEATURE:

- ❖ Calibration can be done for different ranges of Flow meter i.e. from ½” to 4”.
- ❖ Fully Automated control with PLC and VFD.
- ❖ Automatic Calibration report Generation, Long Endurance and Maintenance Free



Design, Complete Engineering , Fabrication, Supply, Erection, Testing and Commissioning of Flow Calibration Test Facility to **M/s. ECIL, Hyderabad**

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- ❖ Automatic Calibration report Generation, Long Endurance and Maintenance Free



PRODUCT DESCRIPTION:

Customizable skid used in continuously supply and monitor of gas-lubricated mechanical seals.

SALIENT FEATURE:

- ❖ Reliable operation
- ❖ Individually adaptable to suit operating conditions and safety requirements.
- ❖ All current industrial standards, such as API and special operator requirements, can be fulfilled.

APPLICATION:

- ❖ Oil and gas industry
- ❖ Refining technology
- ❖ Petrochemical industry
- ❖ Chemical industry



Blower to M/s. Flowserve – Reliance Project

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A Partial List of Our Esteemed Customers

HEAD OFFICE

CHEMIN CONTROLS & INSTRUMENTATION PVT. LTD.,
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**For more information visit our
website www.chem-in.com**

We work together, and win together

