PRAVEG
TECHNOLOGIES

Integrated Industrial Engineering & Automation Solutions

INSTRUMENTATION | PROCESS AUTOMATION | ELECTRICAL SYSTEMS

ENGINEERING. AUTOMATION. ELECTRICAL. PROJECT EXECUTION.

Company Overview

An established Indian engineering proprietorship with a focus on practical, integrated industrial solutions.

2003
YEAR ESTABLISHED

30+
YEARS OF PROPRIETOR EXPERIENCE

8
COUNTRIES WITH INTERNATIONAL REFERENCES

8
INDUSTRY SEGMENTS SERVED

Praveg Technologies is a proprietorship firm owned by Mr. Chandrakant Prajapati. Established in 2003, the firm operates from Ahmedabad, Gujarat, India, and is engaged in industrial process control instrumentation, process automation and low-tension (LT) electrical systems.

The business is built on the proprietor's 30+ years of professional experience in instrumentation, automation and electrical engineering, together with the firm's project experience since 2003. Its core competency is the delivery of integrated instrumentation and process automation solutions, including engineering, supply, installation and commissioning.

Praveg Technologies is focused on delivering technically appropriate and economically considered solutions, drawing on practical industrial exposure, engineering knowledge and an established component and technology ecosystem.

OUR POSITIONING

Integrated Industrial Engineering & Automation Solutions: turnkey instrumentation, automation and electrical project delivery as the established core, and broader process-plant integration as a strategic expansion direction.

At a glance

Legal form	Proprietorship firm
Proprietor	Mr. Chandrakant Prajapati
Established	2003
Professional experience	30+ years of Proven and Extensive Industrial Project Experience.
Head office / operations	Ahmedabad, Gujarat, India
Core business	Process instrumentation, automation and LT electrical systems

Our Purpose & Operating Philosophy

A clear commitment to engineering quality, practical execution and value-conscious integration.

Our vision

To be a trusted industrial engineering and automation partner, recognised for dependable technical solutions, disciplined project execution and long-term customer relationships.

Our mission

To provide integrated instrumentation, process automation and electrical solutions by combining engineering knowledge, industrial experience, suitable technologies and a strong focus on quality and economy.

Our operating philosophy

1. Understand the process and the client's operating requirements before selecting the solution.
2. Translate process and project requirements into practical instrumentation, control and electrical engineering.
3. Integrate suitable components and control platforms to meet the functional and commercial needs of each project.
4. Support implementation through system assembly, installation assistance, testing, loop checking and commissioning.
5. Maintain a focus on quality, maintainability, safety-conscious engineering and lifecycle value.

Our values

Engineering integrity	Clear technical scope, realistic commitments and responsible engineering decisions.
Customer focus	Solutions shaped around process needs, plant conditions and operating priorities.
Quality mindset	Careful component selection, system integration, inspection and testing.
Practicality	Solutions that consider cost, maintainability and site execution realities.
Long-term partnership	Responsive support and a relationship-led approach to project delivery.

Core Business Capabilities

Integrated capabilities across instrumentation, automation, electrical systems and project execution.

CAPABILITY	SCOPE
Instrumentation engineering	Instrument index, selection and sizing, datasheets, hook-up drawings, layouts, loop diagrams, cable schedules and junction box schedules.
Process automation	PLC and SCADA system architecture, control system engineering, logic development, HMI/SCADA visualisation, reporting and commissioning.
Electrical systems	Electrical load estimation and engineering from PCC to MCC; LT panels, MCCs, breaker panels, power distribution, DG synchronisation and VFD panels.
System integration & panel assembly	In-house system assembly and panel manufacturing infrastructure for automation and electrical systems.
Turnkey project execution	Engineering, supply, installation, testing, commissioning and field support for instrumentation, automation and electrical packages.
Engineering consultancy	Technical studies, engineering documentation, system requirements development and project-specific consultancy.

Established core and strategic expansion

ESTABLISHED CORE

Integrated instrumentation, process automation and LT electrical engineering, panel integration, supply, installation and commissioning.

STRATEGIC EXPANSION

Broader industrial process-plant integration involving process equipment, piping, mechanical structures, electrical, instrumentation and automation, based on client-approved process and engineering documents. Process design, process engineering, detailed project engineering and civil construction are not represented as established in-house services.

SCOPE DISCIPLINE

Project scope, engineering responsibility, design authority, statutory requirements and interfaces are to be defined and agreed for each engagement.

Instrumentation Engineering & Consultancy

Engineering documentation and system definition based on process requirements and P&IDs.

- Instrumentation index generation based on P&IDs.
- Instrument selection and type selection based on the given process conditions.
- Preparation of instrument datasheets.
- Working out system requirements based on the instrument index and P&IDs.
- Preparation of control system architecture.
- Sizing and selection of instruments based on process requirements.
- Development of loop diagrams.
- Preparation of cable datasheets and cable schedules.
- Preparation of junction box schedules.
- Preparation of instrument layout drawings.
- Preparation of air distribution layouts.
- Estimation of utility consumption, including air and power.
- Preparation of instrument hook-up diagrams.
- Estimation of erection hardware and consumables.

Engineering consultancy project references

1. Instrumentation and automation consultancy for Gujarat Ambuja Exports Ltd., covering its edible oil plant automation and 2.2 MW captive power plant.
2. Engineering consultancy to Doshion Exchange and Chemicals Limited for two projects for Kawasaki Heavy Industries Ltd., Japan. Engineering documents were prepared based on Japanese and international codes and standards.
3. Instrumentation engineering consultancy to Doshion Exchange and Chemicals Limited for CTCI Corporation, Taiwan.
4. Instrumentation and automation consultancy for the Hindustan Zinc – Chanderiya water treatment plant; UHDE was the project consultant.
5. Instrumentation and automation consultancy for the 130 MW power plant of Meghmani Organics Limited.
6. Instrumentation and automation consultancy services to Doshion for the Noyal Common Effluent Treatment Plant.
7. Instrumentation and automation consultancy for the Pharmalab – Bio Farm Romania project and the Romfarm – Romania project.
8. Consultancy to Electrotherm India Limited for the Bahrain Ferro Alloy (BAFA) Steel Plant, Bahrain, covering complete instrumentation and automation project solutions.

Industrial Automation & Control Systems

PLC- and SCADA-based automation engineering, integration and implementation.

- Study and evaluation of process instrumentation, automation and control requirements based on P&IDs.
- Control system architecture and system requirement definition.
- Control system engineering and logic development.
- PLC programming and integration.
- SCADA visualisation platform engineering and programming.
- Customized reporting.
- Integration of field instrumentation with PLC and SCADA systems.
- Supply of signal cables and control cables.
- Supply of junction boxes, cable trays and cable glands.
- Supply of mechanical erection hardware.
- Field activities including continuity testing, loop checking and commissioning.

Typical automation project lifecycle

01
STUDY
Review process documents, P&IDs and project requirements.

02
ENGINEER
Develop architecture, I/O and instrumentation engineering, control logic and SCADA design.

03
INTEGRATE
Assemble panels, integrate PLC/SCADA and field devices, and prepare project documentation.

04
COMMISSION
Support installation, continuity checks, loop checks, functional testing and commissioning.

Electrical Engineering & Panel Manufacturing

LT electrical systems and in-house assembly capability supporting industrial projects.

Praveg Technologies undertakes electrical engineering and panel integration activities as part of its industrial project solutions. The company maintains in-house infrastructure for engineering and manufacturing electrical panels and complete automation/control systems.

Electrical and panel capabilities

- Electrical load estimation for the process or plant.
- DG set synchronisation panels.
- Variable Frequency Drive (VFD) panels.
- Automation and control system panels.

- Development of the electrical system from PCC to MCC.
- Motor Control Centre (MCC) panels.
- Breaker panels.
- Power distribution panels.
- System assembly and panel manufacturing for project requirements.
- Erection and commissioning assistance for supplied systems and panels.

Panel integration resources

An in-house system assembly and panel manufacturing setup is maintained at Fortune North Industrial Park, Naroda, Ahmedabad. The facility supports integration of automation and electrical panels for the firm's projects.

QUALITY-LED INTEGRATION

The company's approach is to source system components from established manufacturers and integrate them to meet the technical and functional requirements of each project.

Turnkey Project Execution

From engineering and supply through installation support, testing and commissioning.

- Review and evaluation of process instrumentation, automation and control requirements based on P&IDs.
- Electrical load estimation and development of the plant electrical system from PCC to MCC.
- Supply, installation and commissioning of plant instrumentation and automation, including field instrumentation packages and PLC/SCADA control systems.
- Control system engineering and logic development.
- SCADA visualisation engineering and programming.
- Customized reporting.
- Supply of signal and control cables.
- Supply of junction boxes, cable trays and cable glands.
- Supply of mechanical erection hardware.
- Field continuity testing, loop checking and system commissioning.

Project execution approach

PHASE	TYPICAL ACTIVITIES
Requirement review	Review process documents, P&IDs, scope boundaries, site conditions and client specifications.
Engineering	Instrumentation, control system architecture, PLC/SCADA engineering and electrical system definition.
Procurement & assembly	Supply of agreed items, components, cables, accessories and panel/system assembly.
Site execution	Installation coordination and field support within the agreed scope.
Testing & commissioning	Continuity checks, loop checking, functional verification and commissioning assistance.

International Project References

Selected international consultancy and project execution references.

COUNTRY	CLIENT / PROJECT	SCOPE OF WORK
Japan	**Kawasaki Heavy Industries Ltd.**	Engineering consultancy through Doshion Exchange and Chemicals Limited for two projects; documentation based on Japanese and international codes and standards.
Taiwan	**CTCI Corporation**	Instrumentation engineering consultancy through Doshion Exchange and Chemicals Limited.
Romania	**Pharmalab – Bio Farm / Romfarm**	Instrumentation and automation consultancy for the Pharmalab – Bio Farm Romania project and Romfarm – Romania project.
Bahrain	**Bahrain Ferro Alloy (BAFA) Steel Plant**	Consultancy to Electrotherm India Limited for complete instrumentation and automation project solutions; also listed as automation system execution for the integrated steel plant.
Nigeria	**African Fertilizer and Chemicals, Lagos**	Design, engineering and supply of the complete instrumentation package for a 120 TPD H_2SO_4 plant.
United Arab Emirates	**ERCO, Sharjah**	Design, engineering, supply, installation and commissioning of the electrical, instrumentation and automation package for an enzyme interesterification process.
Kuwait	**Kuwait Oil Company (KOC)**	Design, engineering, supply, installation, testing and commissioning of the electrical, instrumentation and control package for the Off-Site Facility.
Azerbaijan (Baku)	**SOCAR Polymer**	Design, engineering, supply, installation, testing and commissioning of the electrical, instrumentation and control package for the Sludge Processing Facility.

Domestic Project References

Major executions across India.

NO.	CLIENT / LOCATION	SCOPE OF WORK
01	**Astral Limited**	Adhesive batch process: design, engineering, supply and installation of the complete electrical, instrumentation and automation system.
02	**Nagarjuna Agri Chem Industry Limited, Hyderabad**	Three packaged units of MEE: design, engineering, supply, installation and commissioning of the complete electrical, instrumentation and automation package.
03	**Ihshedu Speciality Chemicals, Baroda**	Design, engineering, supply, installation and commissioning of the complete electrical, instrumentation and automation package.
04	**Shreenathji Chemicals, Chhatral**	Complete instrumentation and automation package for a formaldehyde plant.
05	**Unimark Remedies Ltd., Vapi**	Complete electrical, instrumentation and automation package.
06	**Kandala Energy and Chemicals Limited, Gandhidham**	Complete electrical, instrumentation and automation package for a crude oil distillation process producing crude aromatic derivatives.
07	**Excel Industries Ltd., Bhavnagar**	Complete electrical, instrumentation and automation package; two projects over a span of four years.
08	**Sterlite Industries Ltd., Silvassa**	Complete electrical, instrumentation and automation package.
09	**STI – Sanoh, Indore**	Electrical, instrumentation and automation package for the manufacturing process.
10	**Maize Products Plant**	Complete electrical, instrumentation and automation package for two projects / Sorbitol plant.
11	**ICPA Laboratories – Indore, Ratlam, Ranu and Aurangabad**	Complete electrical, instrumentation and automation package; four projects.
12	**Solvay Specialties Chemicals, Panoli**	Complete electrical, instrumentation and automation package.
13	**Jubilant Organic Chemicals, Dahej**	Complete electrical, instrumentation and automation package.
14	**Deepak Nitrite Limited, Vadodara**	Complete electrical, instrumentation and automation package for the sodium nitrite manufacturing plant.
15	**Deepak Nitrite Limited, Roha**	Complete electrical, instrumentation and automation package.
16	**Dipen Chemicals, Faridabad**	Instrumentation and automation package for a formalin plant.
17	**Shasun Pharmaceuticals Limited, Cuddalore, Tamil Nadu**	Complete electrical, instrumentation and automation package.
18	**PI Industries Limited, Panoli**	Complete electrical, instrumentation and automation package.
19	**Indian Steel, Gandhidham**	Complete electrical, instrumentation and automation package.
20	**Transpack Silox India Limited, Vadodara**	Complete electrical and automation package; three projects.
21	**Rallis India Limited (Tata Group company), Ankleshwar and Dahej**	Complete electrical and automation package.

NO.	CLIENT / LOCATION	SCOPE OF WORK
22	**HPFL, Pune**	Complete electrical and automation package.
23	**Sayaji Sathness Limited, Ahmedabad**	Electrical, instrumentation and automation package for a Ceramal manufacturing process plant with USA collaboration. Three reactors controlled through two SCADA stations; raw material intake involved approximately 11 ingredients, charged automatically by PLC according to recipes configured through SCADA.
24	**Alps Chemicals Pvt. Ltd.**	Automation and electrical system for batch process / reactor automation.
25	**Dairy plant, Surendranagar**	Automation package for a 2 lakh litres per day dairy plant; partly executed.
26	**Garda Chemicals**	Automation and electrical system; seven systems at various plant locations.
27	**Amneal Pharma, Dahej; Décor, Boisar–Mumbai; and Kunnapalayam CETP**	Automation systems.
28	**Galaxy Surfactants, Mumbai**	Automation and electrical system.
29	**Detox Corporation, CETP for GIDC Ankleshwar**	Automation system; three projects.
30	**Thyssenkrupp, Nasik**	Automation and electrical system.
31	**Roquette, Gokak**	Automation and electrical system.
32	**Sarjay Chemicals, Dahej**	Automation and electrical system.
33	**Indofil, Dahej and Atul Limited, Valsad**	Electrical MCC systems.
34	**Unique Chemicals, Ankleshwar**	Field instrumentation, automation and electrical system.
35	**Solvay Specialties Chemical Ltd., Ankleshwar**	Field instrumentation, automation and electrical system.
36	**Grasim Industries Ltd.**	PLC/SCADA-based automation and electrical systems at Renukoot, Nagda, Rehla and Ganjam.
37	**Navin Fluorine, Dewas**	PLC/SCADA-based automation and electrical systems; two projects.
38	**Roquette, Viramgam and Gokak**	PLC/SCADA-based automation and electrical systems.
39	**Globe Enviro-Care, Surat**	PLC/SCADA-based automation and electrical system.
40	**Dharmit Composite Polymers, Ahmedabad**	Electrical, instrumentation and PLC/SCADA-based automation system.

Additional Project References

Other partial project references where system solutions were commissioned and put into operation.

Ratnamani Metal Industries – Chhatral	**Claris Otsuka Pvt. Limited – Changodar**	**Indian Pesticides Ltd. – Kanpur**
TVS Motors Limited – Bangalore	**Transpack Silox Ltd. – Jambusar**	**Dew Chemicals – Dewas**
Amneal Pharma – Dahej	**Sangam Process and Sangam Spinner – Bhilwara**	**Jindal Textile – Amitara Overseas Ltd.**
Mafatlal Industries Ltd. – Navsari	**CEAT Tyres Limited – Mumbai**	**Paramount Industries – Mumbai**
Technocraft Industries – Mumbai	**ACC Limited**	**L&T Green Ltd. – Hydrogen Energy Plant**

Other sector references

Oil and gas	ONGC, Kuwait Oil Company (KOC) and Baku – Azerbaijan Refinery.
Steel	Tata Refractories Ltd.

Industry Segments Served

INDUSTRY	RELEVANT EXPERIENCE / CONTEXT
Chemicals & fine chemicals	Process automation, batch operations, instrumentation and electrical systems.
Oil & gas	Industrial control and instrumentation exposure; references include ONGC, Kuwait Oil Company (KOC), SOCAR Polymer and Baku – Azerbaijan Refinery.
Steel	Industrial automation and electrical project exposure; reference to Tata Refractories Ltd. and BAFA Steel Plant.
Water & wastewater	Water treatment, common effluent treatment, wastewater recovery and ZLD-related sectors.
Pharmaceuticals	Process automation, instrumentation and electrical packages for pharmaceutical manufacturing.
Food	Food processing and dairy plant automation references.
Refinery	Instrumentation, automation and electrical systems for refinery and process applications.
Green energy	Green energy sector presence, including the cited L&T Green Ltd. hydrogen energy plant reference.

Why Work with Praveg Technologies

A combination of industrial experience, engineering capability and in-house integration resources.

- More than 30 years of the proprietor's professional experience in instrumentation, automation and electrical engineering.
- Business operations in industrial process control instrumentation, process automation and LT electrical systems since 2003.
- Capability to execute instrumentation, automation and electrical projects on a turnkey package basis.
- In-house infrastructure for engineering and manufacturing complete automation and control systems.
- In-house infrastructure for engineering and manufacturing electrical panels, including MCC, breaker, power distribution, DG synchronisation and VFD panels.
- Erection and commissioning assistance for supplied systems and panels.
- Project references across chemicals, pharmaceuticals, oil and gas, steel, water and wastewater, food, refinery and green energy segments.
- Experience with recognised global control system, instrumentation, enclosure, electrical accessory and component brands, as a brand Independent Solutions provider.

Technology & Component Ecosystem

Suppliers, manufacturers and technology platforms used as sourcing references.

CATEGORY	BRANDS / SOURCES
Enclosures	Rittal India Pvt. Ltd.
Panel accessories	Phoenix Contact (India) Pvt. Ltd. – terminals, PLC slim relays, terminal channels, PVC trays and related accessories.
SMPS	Omron / Phoenix Contact.
Control systems	Allen-Bradley / Schneider / Siemens.
VFD	Siemens / ABB / Schneider / Allen-Bradley.
Wires & cables	Lapp India Pvt. Ltd.
Process control instruments	Emerson / Endress+Hauser (E&H) / ABB / Yokogawa.
Control valves	SAMSON.

In-house Assembly & Panel Shop

A dedicated facility supporting the integration of automation and electrical panels for company projects.

Praveg Technologies maintains an in-house system assembly and panel manufacturing setup. The facility is used for integrating automation and electrical panels for the firm's own project requirements.

Registered business information

Legal constitution	Proprietorship firm
Proprietor	Mr. Chandrakant Prajapati
GSTIN	24ADGPP9781J1ZX
Established	2003

PRAVEG
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Let's Collaborate in Your Project

Connect with Praveg Technologies for Industrial Instrumentation, Automation and Electrical Solutions Requirements.

ADDRESS	75, Fortune North Industrial Park, Beside Gamathi Hotel, Near Nana Chiloda Circle, On S. P. Ring Road, Naroda, Ahmedabad – 382330, India
CONTACT	+91 96313 63505
EMAIL	praveg@praveg-technologies.com
WEBSITE	www.praveg-technologies.com
GSTIN	24ADGPP9781J1ZX