



INDUSTRIAL AUTOMATION SOLUTIONS

Smart, Scalable & Reliable Automation for Modern Industries

About Industrial Automation Solutions

Industrial Automation solutions are designed to enhance process efficiency, improve product quality, and enable real-time monitoring and control across industrial operations. These systems integrate advanced control technologies such as PLC, DCS, SCADA, HMI, and Industrial IoT to deliver intelligent and data-driven operations.

These solutions are widely applicable across industries including **Chemical, Steel, Pharma, API, Water & Wastewater, Sugar, Food & Beverage, Dairy, Beverage, OEM, EPC, Automotive, Manufacturing, and Government Projects.**

Scope of Automation Solutions

➤ Key Offerings

1. PLC / DCS Based Process Automation
2. SCADA & HMI Development
3. Machine Automation & Custom Control Systems
4. VFD / Drive Systems & Motor Control
5. Building Management Systems (BMS)
6. Warehouse & Material Handling Automation
7. Industrial IoT (IIoT) & Smart Factory Solutions

Supply | Installation | Services

1. Supply

- PLC, DCS, SCADA, HMI Systems
- Automation Control Panels (PLC Panels, VFD Panels, MCC/PCC Panels)
- Industrial Communication & Networking Components
- Field Instruments, Sensors & Actuators
- Drives, Switchgear & Automation Hardware
- Solutions based on leading global platforms (Siemens, Rockwell, ABB, Honeywell, Schneider)

2. Installation & Commissioning

- Complete system installation & panel integration
- Field wiring, loop checking & signal testing
- PLC/DCS configuration & control logic development
- SCADA/HMI development with visualization, alarms & trends
- FAT (Factory Acceptance Test) & SAT (Site Acceptance Test)
- On-site commissioning, trial runs & system validation

3. Services & Support

- Annual Maintenance Contracts (AMC)
- Breakdown support & troubleshooting
- System upgrades, migration & retrofitting
- Remote monitoring & diagnostics
- Operator training & documentation support

TECHNICAL CAPABILITIES & EXECUTION

Engineering & Design

- I/O List, Load List & System Architecture Design
- Control Panel Design & Detailed Engineering Drawings
- BOM Preparation & Technical Documentation
- Loop Diagrams, Cable Schedules & Wiring Schematics
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Software & Control Development

- PLC / DCS Programming with interlocks & sequencing
- SCADA Development with real-time monitoring & reporting
- HMI Design with intuitive operator interface
- Alarm management, data logging & historian integration
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Industrial IoT & Digital Integration

- Remote monitoring using MQTT / OPC UA
- Data analytics, dashboards & reporting
- Predictive maintenance solutions
- Cloud integration & digital plant solutions

Applications

- Process Plants (Chemical, Pharma, API, Sugar, F&B)
- Utilities (Water Treatment, Energy Systems)
- Manufacturing & Automotive Plants
- OEM Machine Automation
- EPC & Government Infrastructure Projects

Contact

 sales.ind@inducart.com

 www.inducart.com

Enabling Smart, Efficient & Future-Ready Industries