

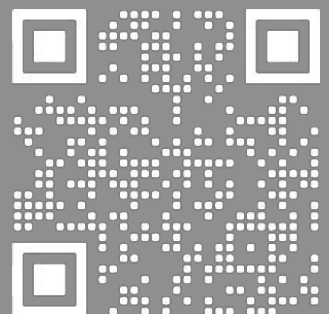


**Empowering
Industries with
Innovation,
Precision,
and Global
Solutions !!**

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Elation Industrial Projects Pvt. Ltd.
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About Us

Elation Industrial Projects Pvt Ltd is a pioneering force in providing advanced solutions to process industries worldwide. With a strong emphasis on innovation and quality, we deliver a diverse range of services and products that cater to the complex needs of industries such as Oil & Gas, Chemicals, Power, and Water Treatment & other process industries.



Our core offerings include:

- 1. Digitization:** We empower industries to embrace the future with our end-to-end digitalization solutions. By integrating advanced technologies, we enhance operational efficiency and enable data-driven decision-making for our clients globally.
- 2. Turnkey Projects:** We provide comprehensive turnkey solutions in control systems, field instrumentation, and electrical systems. From system design and detailed engineering to supply, testing, integration, and commissioning, we ensure seamless project execution to meet the stringent requirements of process industries.
- 3. Engineering Services:** Our expert team offers specialized engineering services for control systems, field instruments, and electrical systems. We assist our clients with technical expertise in design, troubleshooting, and optimization, ensuring peak performance and operational reliability.
- 4. E-commerce:** Our cutting-edge e-commerce platform simplifies the procurement of high-quality electrical and electronic products for industries worldwide. We offer a curated selection of products, excluding chemicals, designed to meet the specific demands of global process industries.

At Elation Industrial Projects, we are committed to driving industrial growth through innovative solutions, reliable services, and trusted partnerships. With a global reach, our mission is to support industries around the world by delivering value through our integrated approach to digitalization, project execution, engineering expertise, and e-commerce solutions.

Industries We Serve



Water Plant



Power



Oil & Gas



Cement



Steel



Pharma



Chemical



Petrochemical



Sugar and
Distilleries

Introduction to Turnkey Projects

At Elation, we specialize in delivering comprehensive turnkey solutions tailored to meet the unique needs of process industries. Our expertise spans the entire lifecycle of projects, from initial design and engineering to final installation and commissioning.

Turnkey Projects



Key Offerings:



- Detail Engineering



- Integrated Control Systems



- Field Instrumentation



- Electrical Panels



- Factory Digitization



- After Sales Support

Control Systems

Design, Engineering, Manufacturing, Supply, Testing & Commissioning

- Distributed Control System (DCS)
- PLC Control Systems
- SCADA Development & integration
- Upgradation & Migration of Legacy Systems
- Expansion of existing System
- Purge & Zone-1 Control Panels
- Sub-Station Automation
- Network Restructuring & Cyber Security Solutions.
- Alarm Management System
- Remote Monitoring Systems

Standards Followed

EC 61131-3

IEC 61850

IEC 61511

ISO 13849

IEC 62061

NEMA Standards

ANSI/ISA 88

ANSI/ISA 95

Brands We Offer

Honeywell

SIEMENS

 **Allen-Bradley**
by ROCKWELL AUTOMATION

ABB

Field Instruments

Design, Engineering, Manufacturing, Supply, Testing & Commissioning

- Instrumentation for Flow, Level, Pressure, and Temperature Measurement
- Smart Transmitters & Sensors
- Control Valves & Positioners
- Gauges (Pressure, Temperature, etc.)
- Switches (Level, Pressure, Flow)
- Gas Detection Systems
- Integration with Control Systems (DCS/ PLC)
- Analytical Instruments (pH, Conductivity, Dissolved Oxygen)
- Solenoid Valves & Hook-Up Materials
- Instrumentation Cables, Junction Boxes & Glands
- Instrument Calibration & Certification Services
- Instrumentation Loop Testing & Commissioning
- Asset Health Monitoring Systems



Brands We Offer

Honeywell

ABB

SEC SHINKAWA

FORBES MARSHALL

EMERSON

E&H

Electrical Panels

Design, Engineering, Manufacturing, Supply, Testing & Commissioning

- Custom Control Panel Design
- Low Voltage & High Voltage Panels
- Motor Control Centers (MCC)
- Power Distribution Panels
- VFD/Drive Panels
- APFC Panels
- Bus Ducts
- Synchronization Panels
- Switch Over Panels

Standards Followed

IEC 61439

UL 508A

CPRI

NEMA Standards

CE Marking

RoHS Compliance

Brands We Offer



Introduction to Engineering Services

At Elation, we offer comprehensive Engineering Services in Control Systems and Field Instrumentation, providing tailored solutions that ensure precision, reliability, and operational efficiency. Our expert team leverages advanced tools and technology to deliver innovative services across various industries, supporting projects from concept to commissioning and beyond.

Our Services Focus on



Control Systems Engineering



Field Instrumentation Engineering

We employ industry-standard software for optimal project execution

Database Tools



SMART Plant Instrumentation



AVEVA Instrumentation

Drafting Tools



AutoCAD



MicroStation
CONNECT Edition

Micro-station



PDS/PDMS

Control System Services

- System Design & Architecture Development
- Control Logic & Programming
- HMI/SCADA Development & Integration
- DCS & PLC System Engineering
- Legacy System Upgrades & Migration
- Safety Instrumented System (SIS) Engineering
- Testing, Validation & Commissioning
- Control System Trouble-shooting & Maintenance
- Annual Maintenance Contract
- Block Logic Diagram Development using Basic Gates
- 3rd Party System Integration
- As Built Documentation
- I/O List & Database Management
- Cybersecurity for Control Systems
- Energy Optimization & Efficiency Engineering
- Redundancy & Failover Strategies
- Advanced Analytics & Predictive Maintenance



& MORE +

Field Instrument Engineering

- Instrument Specifications
- Design Basis
- Instrument Index
- IO List Preparation
- Datasheets Preparation
- Instrument Testing & Troubleshooting
- Hazardous Area Classification & Compliance
- Standard Hook-Up / Installation Drawing
- Junction Box Grouping & Wiring Drawings
- Cable Schedule
- Location Layout & Cable Tray Routing Layout
- Loop Drawing Generation
- UPS & Power Distribution Calculation
- Interface with Control Systems
- Material Requisition
- Site Commissioning Support
- As Built Documentation



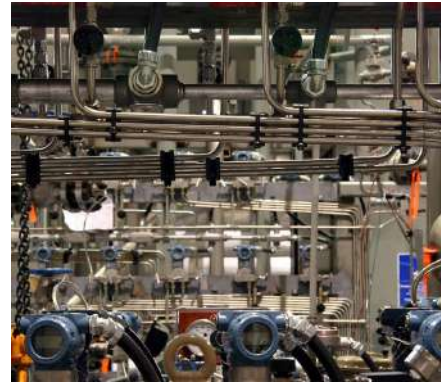
& MORE +

Solutions

Control system



Instrumentation



Electrical



Softwares



lets Connect →

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Factory Digitization Solutions for Optimized Operations

Revolutionize Factory Management with PlantIQ and PlantNav

Current Challenges in Factory Operations

- Lack of real-time insights into production performance and downtime
- Inefficiencies in energy and raw material consumption
- Limited visibility of instrumentation life-cycle and maintenance schedules
- Security risks in unmonitored IoT devices
- Difficulty finding suitable instrument replacements



Unlock the Full Potential of Factory Operations

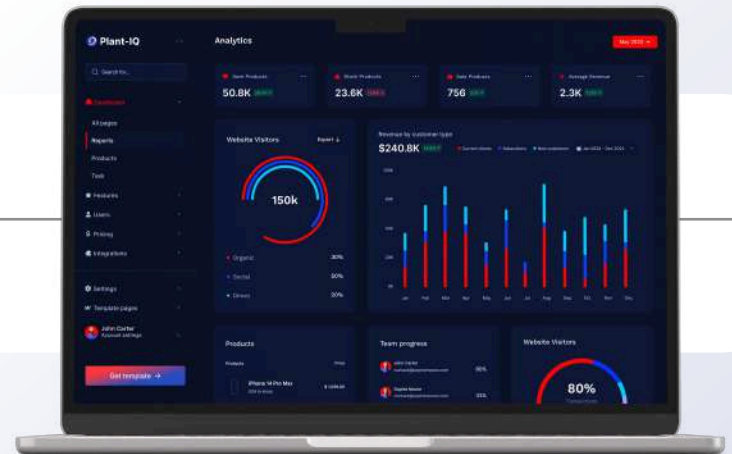
- Leverage IoT and data analytics to enhance decision-making
- Streamline instrument management with traceability
- Secure IT infrastructure without compromising operational efficiency



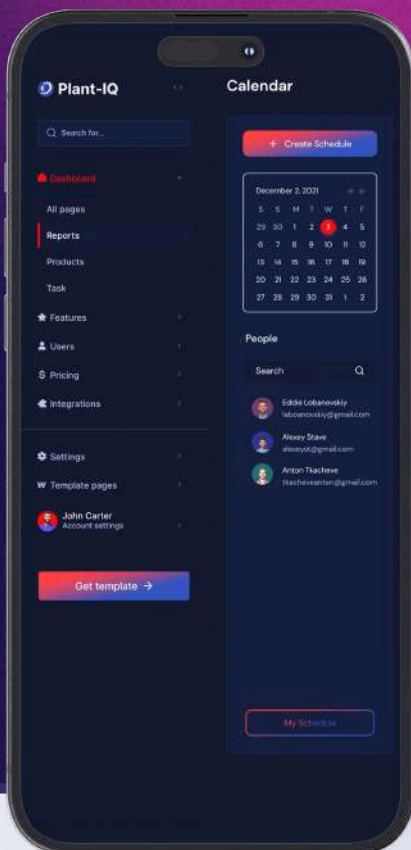
PlantIQ: Real-time Data for Smart Decision-Making

- IoT Data Collection: Connect factory IoT devices to gather real-time data
- Management Insights: Get detailed reports on:
 - Production outputs and performance
 - Energy consumption tracking
 - Downtime alerts
 - Raw material usage
- IT Security: Robust network security for IoT devices

PlantIQ



PlantNav



PlantNav: Instrumentation Traceability Simplified

- Traceability: Track instruments from panels to the end instrument, including:
 - Locations of cabinets and boxes
 - Maintenance schedules for instruments
- Datasheets & Documentation: Access all relevant documentation in one place
- Alternative Instruments: Find replacements with match percentage, pricing, and vendor links

Why PlantIQ and PlantNav?



Easy Replacement:

Simplify procurement with alternative options



Operational Efficiency:

Identify inefficiencies in real-time



Cost Reduction:

Reduce wastage through actionable insights



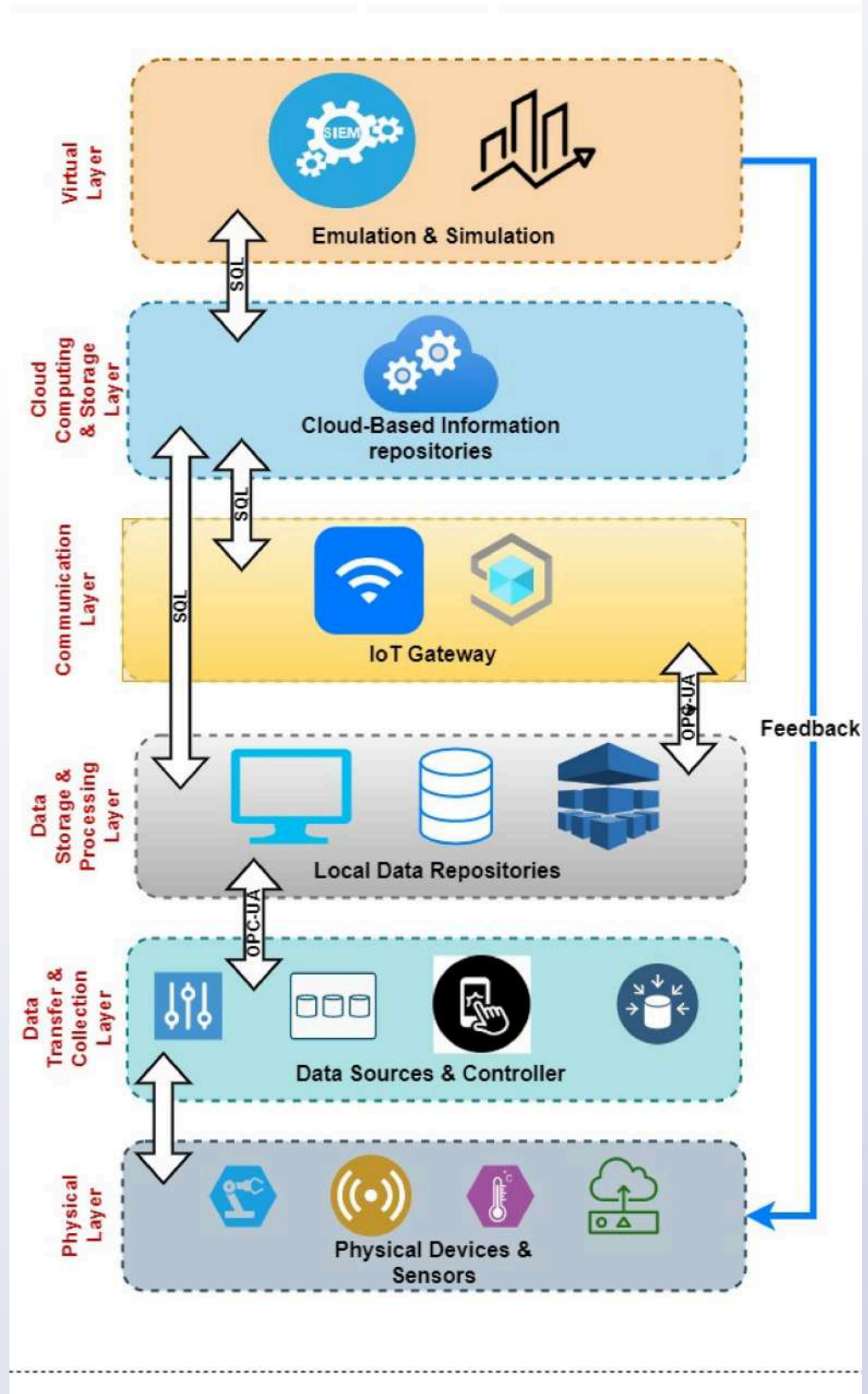
Proactive Maintenance:

Track and manage instrument lifecycles

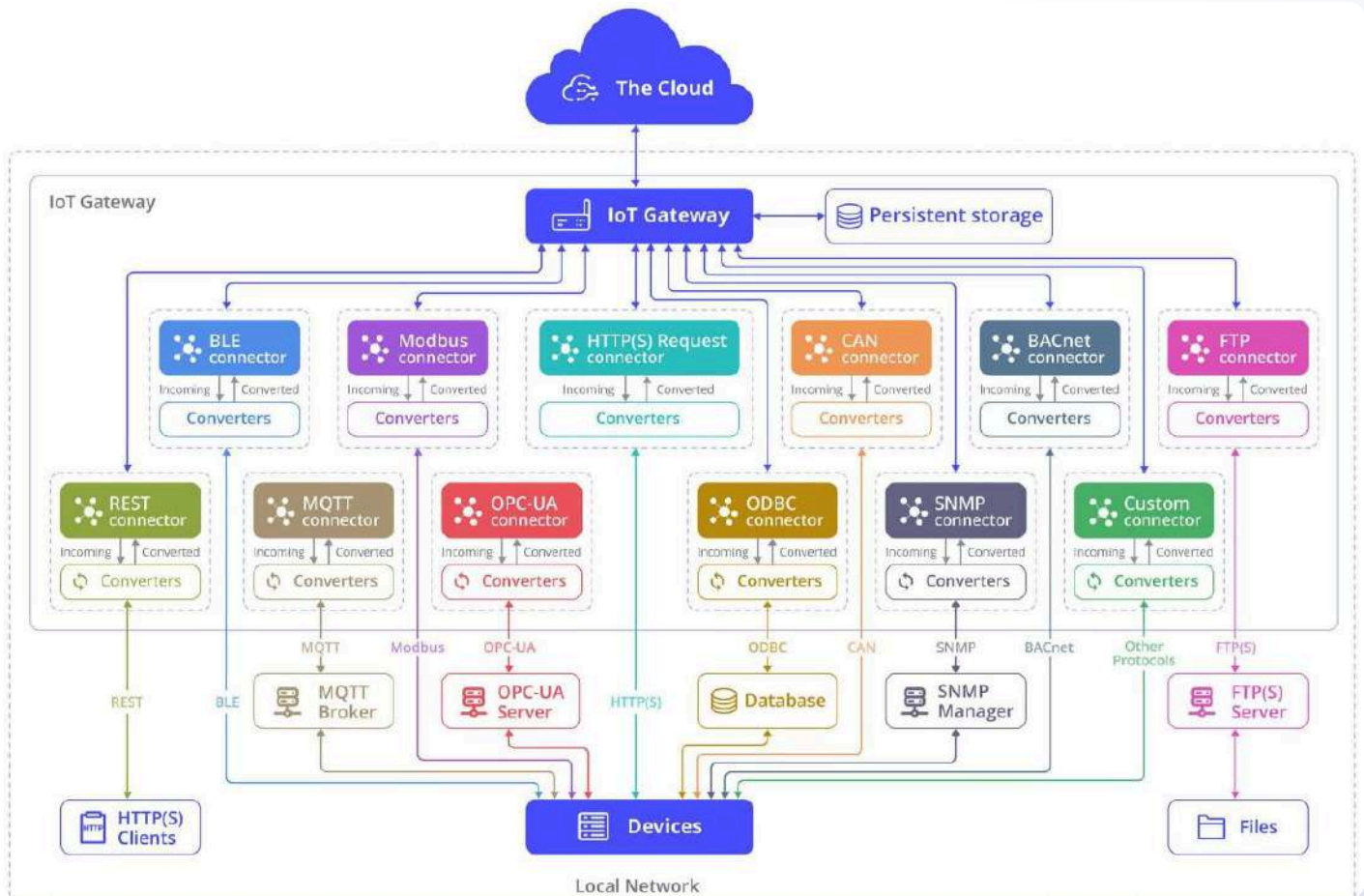


IT Security:

Keep factory data secure



IoT Hardware & Protocol Capabilities



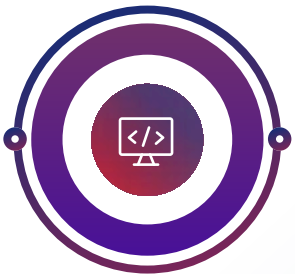
- **Robust IoT Devices:** Our IoT hardware is designed to seamlessly integrate into factory environments, capturing data from machines and processes in real time.
- **Protocol Converters:** We offer a range of converters that support multiple communication protocols, ensuring flexibility and compatibility across various industrial systems:
 - **Modbus:** Widely used in factory automation and industrial control systems.
 - **MQTT:** Lightweight messaging protocol for efficient IoT data transfer.
 - **OPC UA/DA:** Industry-standard protocol for real-time data exchange between machines and software applications.
- **Data Collection & Aggregation:** Our hardware collects data from different machines and sensors using these protocols and feeds it into a centralized system for analysis. This enables comprehensive visibility into factory operations, from legacy systems to modern equipment.
- **Plug-and-Play Integration:** Our hardware is designed for easy installation, ensuring a smooth deployment with minimal disruption to existing processes.
- **Scalable Infrastructure:** Whether you are managing a single factory or multiple plants across locations, our hardware and converters allow for scalable data collection and analysis.

Tailored Solutions for Specific Factory Requirements



Custom IoT Solutions:

In addition to our out-of-the-box hardware and software offerings, we specialize in creating bespoke solutions for factories with unique operational needs.



Protocol Customization:

We can adapt our hardware and converters to support additional protocols or custom integrations, ensuring seamless data collection across diverse systems.



Bespoke Dashboards & Analytics:

We offer customized dashboards and reporting tailored to specific production metrics or operational KPIs that are most critical to your business.



End-to-End Implementation:

From assessing your factory's infrastructure to designing and deploying a tailored solution, we ensure that our technology is perfectly aligned with your unique production workflows and security requirements.



Collaborative Approach:

We work closely with your team to understand challenges and design solutions that meet both current and future needs, ensuring long-term value.



**let's
connect
and
reshape
the future
together.**

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