Industrial Automation, Electrical Control & Distribution Solutions

Automation Systems

Amplifying success for clients since 1995

www.automationsystems.org

Automation Systems

Established in 1995, Automation Systems, is a market leader in electrical control & distribution and industrial automation solutions. We support leading OEMs, SPM manufacturers and industry end users across multiple industries with cutting-edge solutions & components for their industrial processes. Be it setting up the electrical distribution network from scratch, or automating processes on the shop floor or setting up realtime data management & analysis tools or providing ongoing service & troubleshooting support, Automation Systems is your one-stop shop!

Our strong partnerships with industry-leading brands help us offer the latest advancements in automation technology and wider capabilities to meet your diverse needs.

Schneider Electric

EcoStruxure™
Innovation At Every Level

AVEVA

ABB

CONTROL TECHNIQUES

MITSUBISHI ELECTRIC

socomec
Innovative Power Solutions

legrand®
LIVE THE ADVANTAGE

LAPP

Delighting Customers

Our Automation & Control solutions cover the breadth of industrial, infrastructure and building sectors. We use our specific application & process experience to execute turnkey automation projects for OEMs, SPM manufacturers & industry end user clients across 12+ industries.

Our services have helped clients achieve:

- 18% reduction in energy & raw material consumption, driving substantial cost savings
- 27% increase in plant productivity, unlocking new levels of efficiency
- 22% improve in machine performance, ensuring optimal output
- Real-time data management & analysis for data-driven decision-making

| Pulp & Paper | Metals, Mining & minerals | Consumer Products | Water & Waste Water |
| Tyre & Rubber | Pharma | Cement | Building |

Our automation & control solutions have helped 100+ clients enhance processes and operations for stronger business performance.

Category	Clients
Pulp & Paper	KHANNA, TPM, Vishal Papertech, LPM, RUCHIRA PAPERS, Kuantum Papers Ltd, TRIDENT GROUP, KP, Quality Pulp, HARIPUR PAPER
Metals, Mining & Minerals	HERO STEELS LIMITED, Vardhman, Aarti, Vallabh, AVON, BHUSHAN, STELCO LIMITED, JL
Consumer Products (FMCG, Sugar, F&B)	Hindustan Unilever Limited, Cadbury, P&G, bonn, reckitt, Coca-Cola, Johnson & Johnson, Nestlé, RANA SUGARS LIMITED, CREMICA
OEMs	SED, HINDUSTAN HYDRAULICS, Marshall, MANGAL Mangal Machines Pvt.Ltd, HM, SURAJ, bansal, CPG
Tyre & Rubber	SPEEDWAYS TYRES, Dolfin TYRES & TUBES, PODDAR TYRES LIMITED, HINDUSTAN, METRO, HARTEX, DRF, BRAZA Tyres, राज्य, RRPL INDUSTRIES LTD
Pharma	RANBAXY, Panacea Biotec, Mankind Serving Life, ZEISS, Cipla, Alpha Pharm, innova CAPTAB, Alembic, SUN PHARMA
Cement	UltraTech, Ambuja Cement, ACC LIMITED, JKcement, LAFARGE CEMENT
Water & Waste Water	Bruhat Bengaluru Mahanagara Palike, ECO REFINE ENVIRO SOLUTIONS, Bengaluru INTERNATIONAL AIRPORT, सेल SAIL, ESSAR, Chennai International Airport

How we helped India's Leading Paper Mill reduce downtime

Client Background

Our Client manufactures writing & printing papers, newsprint papers, and paperboards, and is the largest plant in the country using paper waste. It is the first paper mill in India to produce writing and printing paper from de-inked pulp.

Problem Statement

- Existing installation of Allen Bradley (Rockwell) across PM-1 & PM-2
- Communication loss in existing system (Devicenet)

Solution Deployed

- Deployment of Schneider platform with Ethernet communication
- No communication loss with uniform 100 MBPS speed across HMI, PLC, VFD & SCADA

100 VFDs
11 PLC & HMI
2 SCADA

14 % increase in production rate
20 % decrease in machine downtime

How we helped India's Leading Sugar Mill reduce cost

Client Background

Our Client is a public limited company listed on the National Stock Exchange (NSE) and the Bombay Stock Exchange (BSE). It is one of the largest producers of sugar in India with manufacturing facilities in the states of Punjab and Uttar Pradesh

Problem Statement

- Current installation of Siemens on PM-4
- Frequent issue with respect to VFD failure

Solution Deployed

- Deployment of Schneider VFD, HMI, PLC & SCADA system for PM-4 machine
- Included VFD, PLC, HMI & SCADA with no failure issues

42 VFDs
5 PLC & HMI
1 SCADA

15 % decrease in operating costs
28 % decrease in machine downtime

Substantial improvements delivered for customers with Schneider's Industrial Automation & Control solutions

Life Is On | Schneider Electric

Industrial Automation Software

Automation Systems brings together a full spectrum of operations solutions, from SCADA control systems to HMI, predictive analytics, energy and data management software (AVEVA & EcoStruxure from Schneider) which enables you to optimize engineering, operations, and maintenance performance, realizing efficiency and cost savings rapidly.

Our solutions portfolio allows customers to view operations, engineering, and other business data from many different sources into a single graphical environment for enterprise visualization - all in one contextual environment which helps improve operational awareness, crisis response, machine reliability & uptime, and real-time performance management.

The rich intelligence offers a high-level perspective in a consolidated software environment that brings new value across complex and multi-site operations, increases agility responding to performance opportunities, and optimizes operations with teams making decisions in parallel to each other.

		Oil, Gas & Petrochemicals	Mining, Minerals & Metals	Consumer Packaged Goods	Water & Wastewater	Machinery	Discrete Industries
Apps, Analytics & Services		AVEVA — Engineering, Operations, Performance		EcoStrucxure Plant Advisor		EcoStrucxure Machinery Advisor	
Edge Control	End-to-end Cybersecurity — Cloud and/ or On Premise	Modicon — Industrial Edge Control for IoT	EcoStrucxure Automation Expert	EcoStrucxure Process Expert	EcoStrucxure Foxboro DCS	EcoStrucxure Triconex Safety System	SCADA Systems	EcoStrucxure Power Monitoring Expert
Connected Products		Harmony — Advanced operator interface & industrial relays	Altivar — Variable speed drives & soft starters	EcoStruxure — Process Instrumentation	TeSys — Innovative & Connected solutions for motor starters	Lexium — Advanced motion control robotics	Set Series — Comprehensive, robust portfolio of power distribution and motor control centers	Telemecanique Sensors — Sensors & RFIDs

Industrial Automation & Control Products

Our Automation & Control products cover the breadth of industrial, infrastructure and building sectors - from programmable relays to variable frequency drives to servo motors & drives to programmable logic controllers and interface modules, for applications from simple machines to complex process systems.

By adopting our industrial automation control systems, you will improve the quality and flexibility of your company's manufacturing process hugely, enhancing the efficiency & productivity of your business, reducing operating costs and minimizing the possibility of human errors.

Reassuring you with complete peace of mind and confidence in your business ventures and investments, Automation System has long-lasting partnerships with Schneider Electric, Veichi and other industry leading brands.

Pushbuttons	Starters & Contractors	Human Machine Interface (HMI)	Variable Frequency Drives (VFD)	Programmable Logic Controllers (PLC)	Servo Motor & Drives

Schneider Electric · ABB · Nidec · CONTROL TECHNIQUES · MITSUBISHI ELECTRIC

Energy Management System

Schneider Electric's award-winning EcoStruxure™ Power Monitoring Expert (PME) is purpose-built to help power critical and energy-intensive facilities maximize uptime and operational efficiency. As a key element of EcoStruxure Power, PME is the window to your digitized power network, taking advantage of IoT connectivity and distributed intelligence.

Power Monitoring Expert gives insight into electrical system health and energy efficiency so you can make informed decisions to improve performance.

Open, scalable architecture that connects to smart devices across your electrical system – and integrates with process control systems

Convert data to action with a customizable and intuitive web interface to allow real-time power and equipment monitoring. Use PME to track KPIs for energy and reliability and apply advanced power quality analysis to ensure reliable network operation, equipment performance and reduced network outages.

Unlock your power system's full potential with smart alarm management that clusters events and alarms for intuitive and powerful filtering, searching and categorization of events and alarms.

Use the most advanced energy visualization and analysis tools to calculate, model, forecast and track your main energy performance indicators (EnPIs).

Help keep people and assets safer

Optimize business reliability and continuity

Maximize operational lifecycle efficiency

Simplify compliance

Building Management System

EcoStruxure Building Operation is Schneider Electric's uniquely open, integrated building management platform that lets you monitor, manage, and control building operations in a single view. The software turns data from connected devices, sensors, and systems into actionable intelligence. What's more, the flexible platform scales easily to meet the evolving needs of any enterprise and is designed with security top-of-mind.

Enhance security and compliance

- Meet GMP/GEP in highly regulated manufacturing environments
- Manage users with SAML 2.0 SSO integration
- Secure transport of BACnet information with BACnet/SC (Secure Connect) networks

Improve performance and efficiency

- Manage projects of any size or complexity with a fully modular and scalable architecture
- Control HVAC, lighting and blinds and easily reconfigure floor plans with EcoStruxure Connected Room Solutions
- Speed program creation with dynamic visual programming and other enhancements
- Use a mobile application for convenient, ladderless commissioning
- Extend EcoStruxure Building capabilities with the EcoStruxure Smart Connector open and flexible application framework

Gain access to more information

- Access, search and filter data faster and easier with Brick Schema semantic tagging
- Enable real-time insight into building operations with customized dashboards, reports, and alarms
- Provide access to all data directly without the need for third-party tools
- Obtain remote anytime, anywhere access to information via mobile applications

Electrical Control & Distribution Panels

We are one of the leading manufacturers of Electrical Control & Distribution Panels. We manufacture all kinds of electrical control & distribution panels for both indoor and outdoor applications catering to all industries.

All our electrical control and power distribution panels are manufactured in accordance with the guidelines of CPRI (Central Power Research Institute) and stand high on the counts of performance, durability and quality. Our panels also meet ICE 61439 and IP 55 rating standards.

We have a state-of-art manufacturing unit well integrated with several units such as fabrication, electrical wiring & assembly and in-house testing & measuring to ensure quality delivery for customers. Some of the key panels we manufacture inlcude:

- **LT Panels (MCC & PCC)**
- **VFD, VCB & PLC Panels**
- **Control Desk & Operator Panels**
- **APFC (Capacitor Bank) Panels**
- **DCS with remote I/O Panels**
- **Distribution Panels**

Cables, Lighting & Switchgear

Automation Systems has been a well-known name for over 2 decades, delivering end-to-end electric solutions across categories and sectors, from residential & commercial, to industrial. We pioneered the concept of providing end-to-end solutions in the electrical field.

Our electrical product range includes cables, switchgear components such as MCCBs, MCBs, AFPC relays, switches, sockets etc, pneumatic products such as air line equipment, valves, actuators etc., motors and a wide range of LED lights that find usage in domestic, commercial & industrial arenas.

Our wide product range is enabled through strong partnerships with industry leading brands such as Schneider, Legrand, LAPP, Havells, Syska and many others.

MCCB, MCB & ACB	Pneumatic Valves & Actuators	Cables
Schneider Electric legrand LIVE THE ADVANTAGE	SMC	LAPP KABEL POLYCAB IDEAS. CONNECTED.
Industrial Motors	LED Lights	Switches
HAVELLS WEG ABB Kirloskar	SYSKA Crompton	Schneider Electric legrand LIVE THE ADVANTAGE

Industrial Automation & Control Products

Variable Frequency Drives

Optimally control the direction and speed of the motor, leading to high-performance results while considerably saving energy costs by only delivering the required speed levels. Range of variable frequency that give you complete control of your electric motor's applications

Schneider Electric | ABB | Nidec | MITSUBISHI ELECTRIC

Servo Drives & Motors

Wide range of servo motor drives and motors for independent or synchronized motion control critical in machinery that needs intricate position control commonly used in functions such as robotics, automation, CNC machining, and even in the processes of manufacturing semiconductors

Schneider Electric | ABB | Nidec | MITSUBISHI ELECTRIC

Stepper Drives & Motors

Stepper drives and stepper motors with its excellent constant velocity characteristics & high torque at low speeds particularly suitable for short-distance positioning

Schneider Electric

Programmable Logic Controllers (PLC)

Extensive range of PLC for Industrial Machine offering a full range of solutions to meet your automation needs. From small automated machines to advanced machine automation, our robust offer of trusted automation solutions enhances machines and processes across manufacturing industries.

Schneider Electric | ABB | MITSUBISHI ELECTRIC

Human Machine Interface / Display Unit (HMI)

New-age HMI panels from industrial high-performance modular HMI to hand-held panels for carrying out diagnostics, increasing control, and regulating system settings to fill your specific HMI application needs with connectivity openness, variety of panel sizes, touchscreens and keypad interfaces

Schneider Electric | ABB | MITSUBISHI ELECTRIC

Pushbuttons, Switches & Pilot Lights

Diversified portfolio of reliable and cost-effective switches, pilot lights, and push buttons for all your signaling and control applications that help you carry out your daily industrial tasks with optimum comfort and ease

Schneider Electric

Motor Management System

Diversified portfolio of motor management system solutions like motor starters, motor controllers, direct online starters, and more

Schneider Electric

Motor Protection Circuit Breakers

Range of motor circuit breakers that integrate low voltage circuit breakers as well as thermal overload relays functions and facilitate the protection of motor branch circuits against overloads, phase-loss and short-circuit, besides enabling secured wiring

Schneider Electric

Strong partnerships with industry leading brands to provide comprehensive solution for clients' wide range of automation requirements

Industrial Automation & Control Products

Contactors & Reversing Contactors

Highly efficient range of contactor relays and reversing contactors that ensure the electrical circuit of your instrument turns on and off in accordance with the power requirements of the of the equipment

Schneider Electric

Thermal Overload Relays

Flexible & adaptable range of thermal overload relays that can be mounted directly under contactor relays for compactness and can be used as a stand-alone solution or mounted directly onto miniature contactors for advanced motor protection

Schneider Electric

Electronic Over Current Relays

Highly robust & reliable electronic overcurrent relays with definite time characteristics with adjustable current threshold & time delay that provide protection against the locked rotor & mechanical shocks

Schneider Electric

Motor Switch-Disconnectors & Fuses

High-performance motor switch-disconnectors and fuses that are imperative to prevent hazardous situations like fire breakout, explosions, short circuits, and more

Schneider Electric

Interface, Measurement & Control Relays

Range of electric relays including control, timer and solid state relays for automation, analog converters and electromechanical and solid-state interfaces

Schneider Electric

Universal Power Supplies

Broad range of Universal power supplies for powering a electrical devices and machines catering to commercial and industrial requirements, panel mounting, rail mounting, three-phase power supplies, and single-phase power supplies

Schneider Electric

SCADA, BMS, EMS & Automation Software

Strong agnostic software solutions portfolio including AVEVA & EcoStruxure to bring automation digitisation and energy management, allowing the utilisation of technologies such as IoT, and enhanced connectivity, sensors and analytics

Schneider Electric   **EcoStruxure** Innovation At Every Level   **AVEVA**

Signaling Units

Range of signaling devices, including tower lights, beacons and audible alarms, to provide operators with reliable status indication and voice guidance

Schneider Electric

Experienced in-house team of technical and functional experts with wide application expertise to help execute your projects flawlessly

Electrical Infrastructure Products

Air Circuit Breakers (ACB)

Range of high threshold Air Circuit Breakers (ACBs) that save the system from overcurrent and short-circuit

Schneider Electric   legrand

Miniature Circuit Breakers (MCB)

Best in class industrial Miniature circuit breaker(MCBs) for secure and sound operations, and to protect it from unwanted breakdown

Schneider Electric   legrand

Residual Current Device (RCD)

Range of Residual Current Devices (RCDs) suitable for both commercial and residential buildings to provide optimum protection against electrocution, fire, and earth fault

Schneider Electric   legrand

Molded Case Circuit Breakers (MCCB)

Wide range of MCCB for industrial applications depending on different load requirements

Schneider Electric   legrand

Switches & Wiring Devices

Range of Batten, LED bulbs, Flood lights, UFO lights, Panel lights, Street lights and electrical switches, sockets, dimmers and regulators designed to seamlessly fit with every interior & exterior design

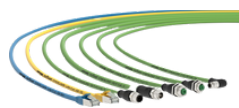Schneider Electric   legrand   SYSKA   Crompton

Motor & Pumps

Wide range of motors & pumps designed to fulfil the applications requiring high-performance levels and total reliability for a long time

HAVELLS   Kirloskar   ABB   Weg

Cables & Wires

Wide range of power cable for power supply, control cables for extremely reliable signal transmission and data cables for absolutely uninterruptible data transmissions

LAPP KABEL   POLYCAB

Industrial UPS & Power Solutions

Industrial UPS designed for higher IP rating with integrated transformers providing complete galvanic isolation and adapts to several neutral arrangement systems

Schneider Electric   socomec
Innovative Power Solutions

From circuit breakers to enclosures, and switchboards, we offer a full range of safe, reliable solutions for low-voltage electrical distribution applications

Solutions for every stage of your equipment's life cycle

At Automation Systems, our expertise enables you to cut costs, reduce energy consumption, and keep your systems up and running through routine maintenance, process enhancements, and migrations to new, state-of-the-art functionality.

Ajay Neb
Founder & Director

Varun Jalota
Director

Saurabh Rai
Director

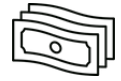## When it comes to your industrial needs, we are your one-stop shop

Founded in 1995

5 Cities

100+ active clients

Annual revenue of 70+ Crores

75+ in-house experts

12+ industry sectors served

Net Promoter Score of 59%

Annual Growth Rate of 19.8%

Automation Systems | Amplifying Success for Clients Since 1995

India's Leading Provider of Electrical Distribution & Industrial Automation Solutions

Connecting.
Automating.
Electrifying.

Automation Systems

Amplifying Success for Clients Since 1995

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