



# VECTOR AUTOMATION

*A leading automation and data integration solutions provider*

## About Us

Since 2013, Vector Automation has been working in the field of Automation Engineering and Design Automation.

Vector automation believes in delivering value-added Industrial Automation and related IT services & solutions that consistently meet customer expectations on Quality, Cost and Schedule. All engineering efforts are eventually directed towards helping customers achieve operational excellence.

Vector Automation provides end to end plant automation and turnkey project execution wide variety industrial and process automation. Vector Automation Combines its multi Disciplinary engineering in DSC, PLC, SCADA, BMS, Field Engineering, software engineering with its deep domain knowledge to undertake contracts for projects.

Vector Automation has proven track record of delivering services and solutions using best established practices through a competent team of experts and engineers. Client base includes reputed Indian and International organizations

**CARE: Customers Are Really Everything**  
at Vector Automation, we proactively seek and understand customers' requirements to offer them end-to-end solutions. It has helped us in keeping abreast with the latest advancements and challenges in technology and enabled us to constantly innovate and serve our customers better.

**COIN: Continuous Improvements are Needed**  
Our technical teams keep themselves updated with the latest technologies and unceasingly work towards improving the existing solutions to help customers maintain operational excellence in a highly competitive business environment.

**TRAC: Training Accomplishes Competence**  
Upgrading employees skills is a vital part of the training program at Vector Automation. We conduct regular training programs to better ourselves and our technologies. This gives our employees an edge in understanding the customer better and offering them end-to-end solutions.



## Vision

To be a leading automation and data integration solutions provider that adds value and enhances returns on customer investment"

## Mission

Enabling customers to achieve growth by providing engineering services using automated solutions, resulting in Substantially shortening the engineering cycle, Higher Productivity, Accuracy and Standardization

## Values

- Ethics, Commitment, Nurturing
- Respect for all Right the first time Learning and sharing culture

## Long Term Relationship:

As we go along with the project, both organizations get familiar with each other's style from all aspects. As we develop the relationship, this helps in reducing implementation time & hence the costs.

## Safety & Health

We are relentless in keeping people safe from harm, and we provide a healthy work environment.

## Vector Automation Advantage

- Increased resources utilization.
- Improved quality and consistency of engineering projects
- Faster change response and turn around.
- Reduced time to market.







## QUALITY

Vector Automation is committed to a Quality Management System to provide cost effective, timely and customer focused solutions. We practice open & participative work environment for continual improvement in quality of our processes, products, services & quality management systems to achieve customer satisfaction.

### Quality & Delivery:

The Project team & staff have expertise in necessary domain & committed for quality & delivery to meet project deadlines.

### Training :

The staff is always trained to keep update about the latest changes in various domains.

### People :

Vector Automation Engineers goes through technical training, development process and testcovering business objective and automation lifecycle including company business, ethics, code of conduct, Our belend plus People use worldwide standards and design practices, project execution and deliverables, implementation, testing, commissioning, as-build and after sales customer support.

### Turnkey Solutions:

Turnkey Solutions for a wide spectrum in the domain of industrial automation. Based on the functional knowledge, expertise and valuable experience gathered over years of having consistently executed prestigious turnkey projects in the domain of automation.

Turnkey Solutions include the entire range of Electrical, Instrumentation and Control system solutions right from design, detail engineering, manufacturing, commissioning, start-up services and best of after sales support.



## Industrial Automation

Automation itself has reached a new level in today's world. Vector Automation uses it to empower a unique setup of real-world solutions. Following are the key domain area in which Vector Automation Solutions extends its automation services based on DCS, PLC, SCADA, HMI, Drives and MCC as per individual requirement and also provide up-gradation or migration of exiting system.

- OIL AND GAS
- FOOD AND BEVERAGES
- PHARMA
- TEXTILE
- WATER AND WASTE WATER
- OVERSEAS SYSTEM INTEGRATORS
- ORIGINAL EQUIPMENT MANUFACTURERS
- POWER PLANT
- AUTOMOBILE
- AUTOMOTIVE
- METAL AND MINERALS
- SUGAR, CEMENT, STEEL
- DCS, PLC & SCADA SUPPLIERS

## Building Automation

Building automation is rapidly finding importance and usability in real estate and construction sector. Vector Automation provides optimum solutions to building automation issues and needs like comfort, efficient operation of building systems and reduction of energy consumption and operation costs, and improve the life cycle of utilities.

Our services are renowned for various necessary operations like ventilation, air conditioning, fire management and heating management inside complexes whether residential or commercial. These are very easy to operate and highly reliable. They can be customized according to client's specifications at acceptable prices.

- INFRASTRUCTURE
  - Controller
  - Occupancy
  - Lighting
- AIR HANDLER
  - Constant volume air-handling unit
  - VAV (Variable air volume) hybrid systems
  - Variable volume air-handling unit
- CENTRAL PLANT
  - Chilled Water System
  - Condenser Water System
  - Hot Water System
- ALARMS AND SECURITY
- ROOM AUTOMATION



## Our Services

### Field Instrumentation

Vector Automation has hands on experience in engineering and detailing of domestic project as well as international project. Vector Automation provides field Instrumentation & Engineering services to our clients, which are designed as per set industrial standards. Moreover, these services involves measuring and solving real-wold problems on operating structures and equipment such as measuring of Strain and stress, Load Forces, Displacement, Temperature, Vibration and Acoustic emission. We have a dedicated team that comprises of engineers skilled in numerous disciplines, including mechanical, civil, electrical and metallurgical engineering working with our experienced technicians.

Following Field Instrumentation Services are provided by Vector Automation

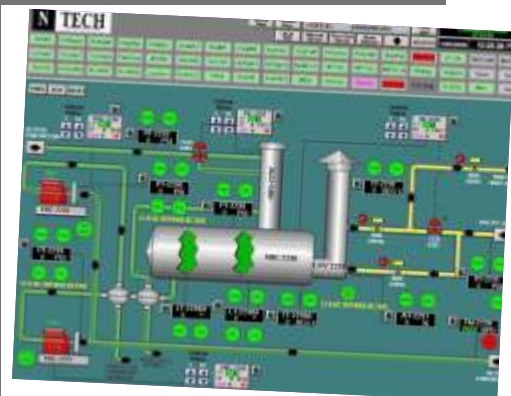
- P & ID reconciliation
- Field Instrumentation Specification & Selection
- JB Schedules & Drawings
- Cable Schedules & Cable Routing Drawings
- System Inspection Services
- I/O Listing
- Instrument Location & Hook-up Drawings
- Control Room Layouts
- Procurement Support Services

### Engineering Service

Vector Automation have pool of expert engineers having capability in PLC & DCS system programming, Logics & interlocks, Recipe & Batch Programming, SCADA and ASM. The engineering discipline that applies control theory to design systems with desired behaviors.

Following System Engineering Services are provided by Vector Automation

- Detailed Functional Specifications
- Logics & Safety Interlocks
- Integration of Different Plant Control Systems
- Logs, Reports, History, Trends
- FAT/SAT Support
- Onsite Troubleshooting
- Maintenance Support
- Plant Control Loops
- Implementation of Sequence of Operations
- HMI & SCADA Design & Development
- System Architecture Design
- Onsite Installation & Commissioning
- Onsite Residence Support
- AutoCAD/ Microstation Drawings Design Drafting
- Turnkey Project DCS, PLC, SCAD





## Panel Integration

Vector Automation is aware of requirement of different domains. Vector Automation has templates that is uses for System Integration projects and also flexible align to customers' standards.

Following Panel Integration Services are provided by Vector Automation

- Signal Interconnection Diagrams
- Power Consumption & Heat Load Calculations
- Loop Drawings
- Wiring & Testing
- Panel Design like (System Cabinet, Marshalling Cabinet, Power Cabinet)
- Distribution Cabinet, Auxiliary Console and Control Panel
- Power Distribution Schemes
- Electrical Ground Distribution
- Panel Wiring Drawings
- Hardware Bill of Material





**VECTOR**  
AUTOMATION

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