



A one-stop solution provider for
Electrical & Electronics Automation



Industrial Automation Solution Shelter

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PROFILE

We introduce ourselves as one of the Industrial Automation Solution provider since 20 years of dedicated experienced automation engineers and exposure in complete life cycle of the automation industry.

Our core activity for industry is of automation products sales with complete integration of products with commissioning for machine & process requirement as per customer satisfaction.

We have our dedicated engineer team which providing services for the products after sales. We also have our own service center with experienced engineers who provided service as well as repairing facility for the products AC Drive, Servo Drive PLC, SCADA & DCS.

We also design, manufacture, supply and commissioning of automation panels and electrical all type panels i.e. DG Changeovers, PCC Panel, Drains Panel, MCC & IMCC Panel, PCC Panel, APFC Panel & Customized control panels as per required by the customers confirming to various standards like IP55 & IP65 according to the customer needs.



OUR ASSOCIATIONS

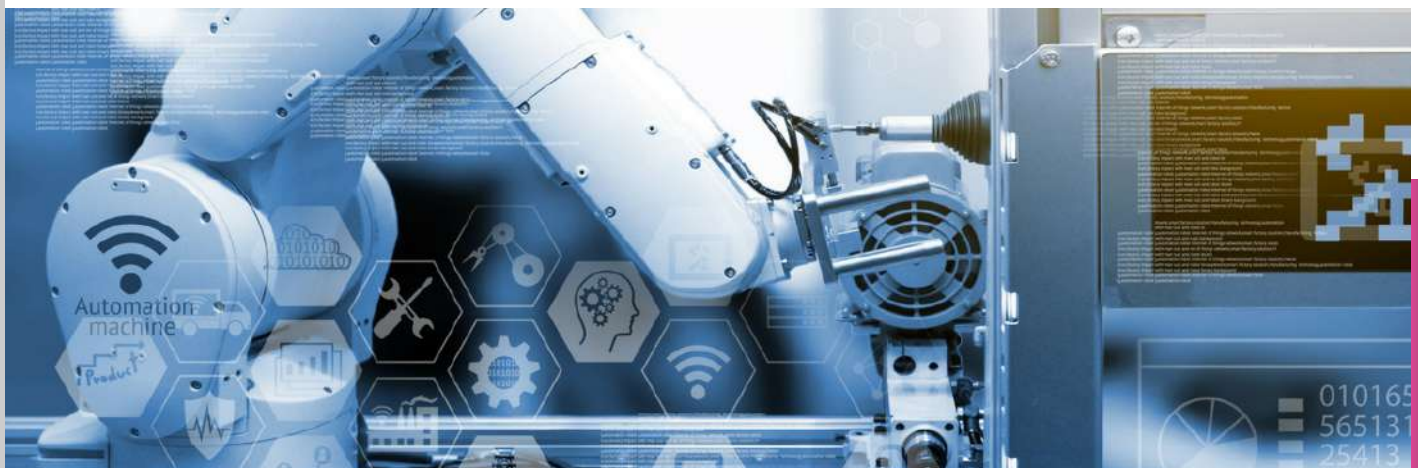
We are authorized for various MNC as a system integrator under one roof which help us to provide complete solution under one head. MNC who are associated with us are:-



WORKING SECTORS

Over the years Innovative Controls has successfully designed, implemented and commissioned products and solutions to its OEM and to end-customers in the following sectors:

- Factory Automation
- Process Automation
- Retrofitting Automation
- Elevators / Lift Panel



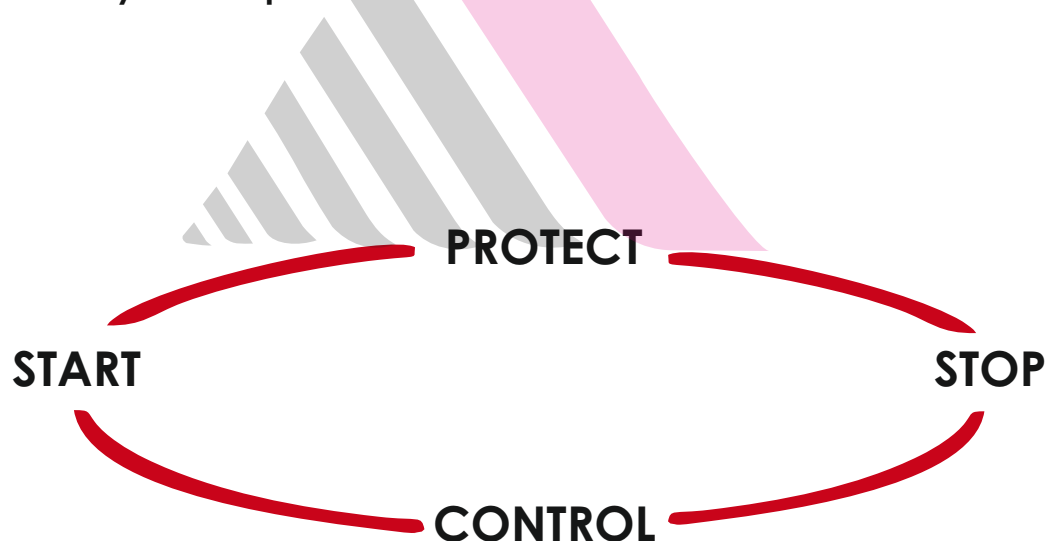
With our innovative development of systems with new upgraded automation products in industry like textile, metals, Pharma, packaging helps to customers to run their plant which are dead due to absolute of technology and products which result to loss of industry for their investment.

In such case we provide valued solution of Industrial controls & process by newly technology of Drives, PLC, and Panels & also in industrial automation system & solutions and SCADA.

Our focus is always for continuous innovation through research and development with vigorously newly Innovative Systems & Automation.

As a core activity for INDUSTRIAL MACHINE & PROCESS AUTOMATION SOLUTION PROVIDER

We offer a complete product portfolio for protecting & controlling machines & process driven by electric motors. We provide reliable, efficient & user – friendly solutions developed for flow control, HVAC, Material Handling & many more solutions to Textile & other Industries. You will benefit from the unique features based on lots of year's experiences.



+ SUPPORT AND SERVICE =

Aditya Industech Ltd

ACTIVITY STEPS TO CREATE SOLUTION

We are specialized to support and enhance the bottom line of your business by providing value added services in the Industrial Automation arena. Our technical expertise and domain experts from various process industries can bolster your projects from concept to commissioning. These services are ideal for OEM's, End Customers with large engineering teams and System Integrators.

The major activities of this Business Unit are

In-depth System Study and Design

Hardware selection

PLC, HMI, SCADA and communications software generation

SW Configuration and Testing

Sensor and Instrument Selection

Field Device Configuration and Programming.

Pre commissioning

Commissioning and startup

Hand holding during Startup

Operator training

Creation of System Reference Manual

We have an immense experience from various Industry Segments. Please refer to our Industry vercticle section to learn more on the type of Industries we serve.



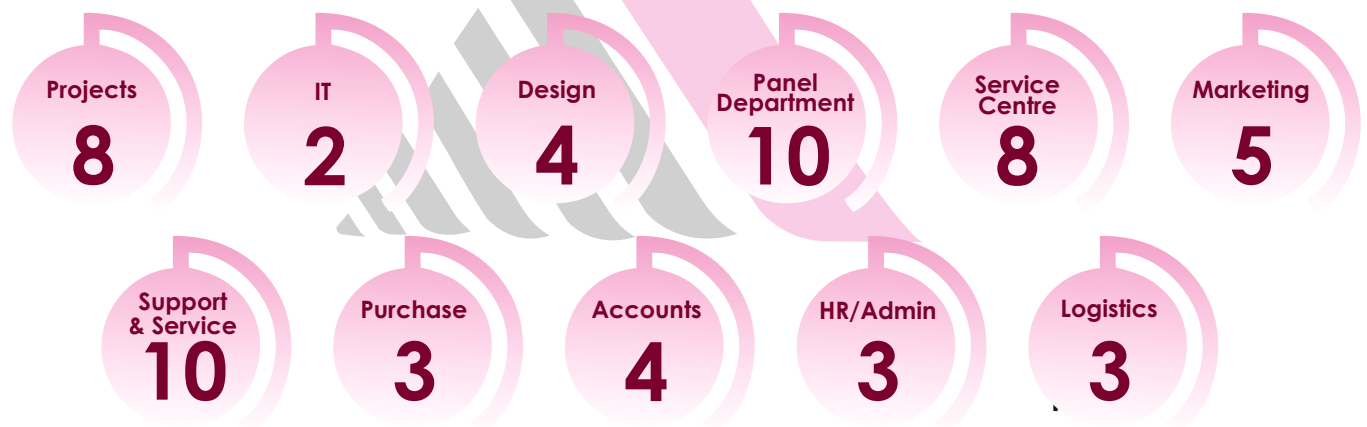
COMMITMENT

OUR VISION
Is to be the premier
provider of
automation
solutions to
our clients.

OUR MISSION
To be the best
chain in the world by
offering world-class
technology.

OUR VALUES
Innovation
Alignment
Accountability
Integrity
Community

OUR TEAM STRENGTH



So, Support is available 24 * 7.

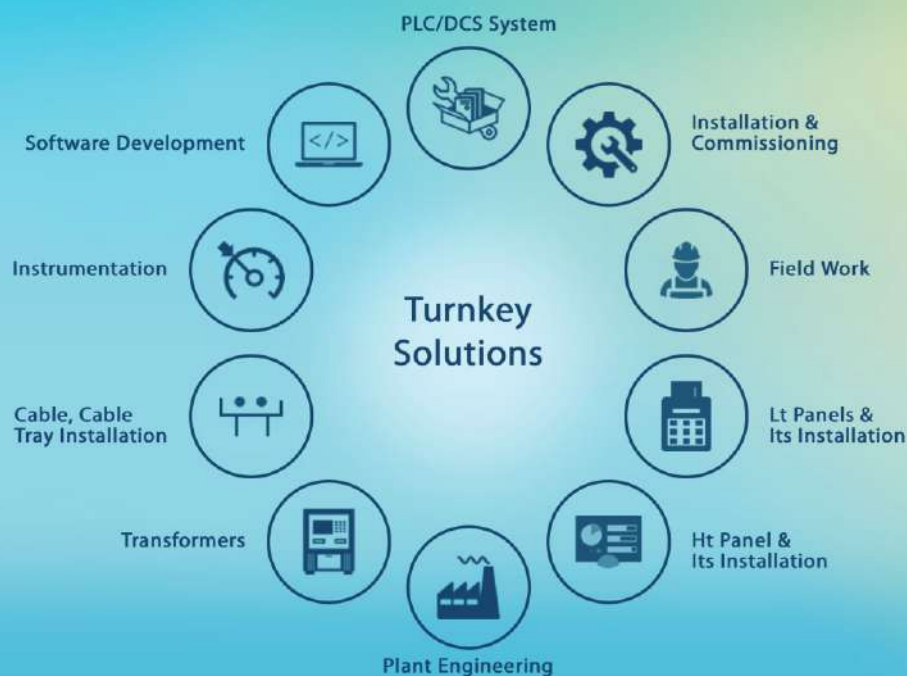


INFRASTRUCTURES

Spread over the expanses, our infrastructure comprises of head office, application engineering and service area. The application-engineering unit is equipped with the latest machineries that can design and develop in variety of configuration while keeping the production cost low. Further, a team of highly qualified and experienced engineersably supports the department.

PRODUCT & SUPPORT PORTFOLIO

- Project Engineering
- Site Services
- Industrial Reports
- Robotics
- Special Purpose Machines
- Panel Manufacturing
- Automation Training
- System Up-gradation
- IIoT



OUR PRODUCTS

Every panel is engineered, fabricated, wired and routine-tested in-house on CNC-based fabrication with powder-coated CRCA enclosures and type-tested components, conforming to **IEC 61439-1 & 2** with protection classes up to **IP65**.

■ PCC Panels

Power Control Centres up to 6300A / 70kA with ACB incomers, draw-out & fixed designs for main power distribution.

■ APFC Panels

Automatic power factor correction with detuned reactors, thyristor/contactors switching and intelligent PF controllers.

■ VFD / Drive Panels

Variable frequency drive panels with line/load reactors, forced ventilation, bypass logic and harmonics mitigation.

■ Instrumentation Panels

Field instrumentation, flowmeter and pressure loops, junction & marshalling cabinets with loop drawings.

■ DG Synchronization Panels

Auto-synchronising of multiple DG sets with load sharing, load management & grid changeover logic.

■ Control & Relay Panels

Protection C&R panels for switchyards & feeders with numerical relays, annunciation and SCADA gateways.

■ Junction Boxes

Industrial JB's — IP65 / flame-proof / SS316 options with gland plates, terminals & ferruled wiring.

■ Industrial Electrical Solutions

Complete electrification — cabling, earthing, lighting, busducts & substation packages on turnkey basis.

■ MCC & iMCC Panels

Motor Control Centres for DOL, star-delta and soft starters; intelligent MCCs with communication-ready modules.

■ PLC Automation Panels

PLC / RIO / purge panels with redundant power options, marshalling, HMI integration and documented I/O engineering.

■ SCADA Systems

Plant-wide SCADA & DCS engineering — historian, reporting, alarm management and IIoT-ready connectivity.

■ HT & LT Panels

Indoor metal-clad HT switchgear up to 33kV and complete LT panels up to 6300A with busduct interface.

■ AMF Panels

Auto Mains Failure panels with engine start/stop control, changeover switching & battery-charger supervision.

■ Distribution Boards

PDB / LDB / MLDB / building-meter boards with energy metering, surge protection and selective co-ordination.

■ Automation Solutions

Factory, process & retrofitting automation, robotics interfaces, special-purpose machines and system upgradation.

■ Solar LT Panels

Solar 800V LT distribution, ACDB/DCDB, metering & synchronisation panels for rooftop and utility-scale PV plants.

PRODUCT SPECIFICATIONS

Panel	Application	Type / Construction	Max Rating	System Voltage	Protection
PCC Panel	Main power distribution	Fixed / Draw-out, Form 3b/4b	6300 A	415 / 690 V	IP-42 to IP-55
MCC / iMCC Panel	Motor feeders & starters	Fixed / Draw-out, intelligent option	3200 A	415 V	IP-42 to IP-55
APFC Panel	Power factor correction	Contactor / Thyristor switched	1200 kVAr	415 / 525 V	IP-42 / IP-54
VFD Panel	Variable speed drives	Enclosed drive + bypass	2 MW drive	415 / 690 V	IP-42 / IP-54
PLC / Automation Panel	Process control & interlocks	PLC / RIO / Marshalling	—	24VDC / 230VAC	IP-54 / IP-65
HT Panel	Primary distribution	Indoor metal-clad VCB	2500 A / 40 kA	11 / 33 kV	IP-4X
DG Sync / AMF Panel	Standby power management	Auto-sync / changeover	4000 A	415 V	IP-42 / IP-54
Distribution Boards	Downstream LT distribution	PDB / LDB / MLDB	800 A	415 V	IP-42 to IP-65
Solar 800V LT Panel	PV inverter aggregation	ACB / MCCB feeders, Form 3b/4b	6300 A	800 V AC	IP-54 / IP-65

- **Build standards** — IEC 61439-1/2 verified assemblies; internal separation Form 2b / 3a / 3b / 4b; fault withstand up to 70kA/1s; 2.0 mm CRCA, seven-tank pre-treated & powder coated (RAL 7035 standard).
- **Switchgear makes** — Schneider Electric, Fuji Electric, Siemens, L&T and equivalent, with Phoenix Contact, Pepperl+Fuchs and INVT components as specified.
- **Testing** — HV, IR, continuity, functional & secondary-injection routine tests with documented FAT protocols before despatch; witness testing welcome.



SOLAR 800V LT PANEL

Modern solar PV plants are moving from 415V architecture to **800V AC LT systems** — cutting cable cross-sections, reducing I²R losses and shrinking balance-of-system cost. Our dedicated Solar 800V LT Panels aggregate inverter outputs, distribute solar power safely and integrate seamlessly with plant SCADA — engineered for the higher voltage class, elevated ambients and cyclic loading of solar duty.

TECHNICAL FEATURES

- 800V AC rated; 1000V insulation class; busbars up to 6300A, 70kA/1s.
- Form 3b / 4b separation; IP-54 / 55 / 65; 2.0 mm CRCA, RAL 7035.
- Class 0.5s MFMs with Modbus; designed for 50°C ambient.

SAFETY FEATURES

- Type-tested ACB / MCCB rated for 800V solar duty; SPD Type I+II.
- Earth-fault, over-voltage & reverse-power protection schemes.
- Interlocked, shrouded, arc-vented & padlockable construction.

Standards: IEC 61439-1 & 2 • IS/IEC 60947 • IEC 60269 • IEC 61643 • CEA Regulations • MNRE Guidelines • IS 5039 / IS 8623 • DISCOM Norms

TYPICAL PANEL CONFIGURATION

Section	Typical Build
Incomer	1 × ACB 800V, 2000–6300A, microprocessor release (LSIG), with spring-charge motor & castell interlock
Busbar Chamber	TPN electrolytic copper, air-insulated, colour-coded heat-shrink, 50°C design ambient
Outgoing Feeders	4–16 × MCCB 250–800A per central inverter / inverter cluster, solar-duty rated with rotary handles
Metering	Class 0.5s MFMs per feeder + plant check meter, CTs class 0.5, RS-485 loop to SCADA gateway
Protection	SPD Type I+II per section, earth-fault relays, under/over voltage & frequency monitoring
Auxiliary	Panel space heater with thermostat, illumination, anti-rodent sealing, 24V DC control supply
Communication	Modbus TCP/RTU gateway, hard-wired trip/status to plant SCADA & remote monitoring portal

SOLAR PROJECTS

From industrial rooftops to utility-scale plants, we deliver the complete electrical backbone of solar power — panels, protection, automation and monitoring — as a single-point EPC partner.

■ Solar EPC Support

Complete engineering, procurement & construction support for rooftop and ground-mounted PV plants.

■ Inverter ACDB / DCDB

String-combiner DCDBs and inverter-side ACDBs with solar-duty rated protection.

■ Synchronization Panels

Solar-DG-grid synchronising with zero-export & hybrid control schemes.

■ SCADA & Monitoring

Plant SCADA with string-level analytics, alarms, reports & performance-ratio dashboards.

■ BESS & Grid-Tied Systems

Battery energy storage integration and grid-tied hybrid architectures with export control.

■ Solar LT Distribution Panels

800V & 415V LT panels aggregating inverter outputs for safe plant-wide distribution.

■ Metering Panels

Net-metering & gross-metering panels engineered to DISCOM interconnection norms.

■ Plant Automation

PLC-based plant control — tracker interfaces, auxiliary systems and pump automation.

■ Remote Monitoring & EMS

Cloud dashboards and energy-management systems for portfolio-wide visibility.

1

Site Survey

2

Design & Engineering

3

Procurement

4

Panel Manufacturing

5

Installation

6

Testing & Commissioning

7

SCADA Integration

8

O&M Support



Industrial Rooftop Solar Installation



Ground-Mounted Solar Installation

OUR EXPERTISE



Textile & Plastic



Packaging



Chemical



Tyre



Food & Beverages



Dairy



Pharmaceuticals



Fertilizer



Furnaces



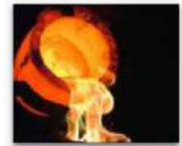
Oil & Gas



Machines



Elevators Panel



Foundry

BREAK DOWN SUPPORT

Aditya Industech Ltd provides services round the clock 365 days for our customer.

- We also maintain critical spares which belong to critical installation bases.
- We also offer preventive maintenance plans/ schedule.
- Wide experiences for repairing of different make drive & PLC products.



MAJOR PROJECTS EXECUTED

Dairy, Food and Beverages



- Standardized Solution
 - Pasteuriser Process
 - Powder Plant Process
 - Compressor and Chiller Control
 - Sterilization Process
 - Cattle-feed Solution
 - Cleaning in Process
 - Recipe Control
 - Utility Control
 - MIS Reports
- Complete Dairy Solution
 - Paneer Plant
 - Shrikhand Plant
 - Cheese Plant
 - Curd and Lassi Plant
 - Continuous Butter Making Machine
 - ICE Silos
 - Juice and Cold-drink Machines
 - Packing Machines

Chemical & Petrochemicals



- Chemical Process Plant
 - Batch Plant
 - Continuous Plant
 - Ion Exchange Unit
 - Distillation Columns
 - Electro-Formation Process
 - Color and Dyes Plant
 - Resin and Solvent Plant.

Textile & Plastic Industry



- Standardized Solution
- Line Synchronization
- Tension Control with Load-cell and Dancer
- Winder/Un-winder Control
- Dosing Ratio Control
- Recipe Control and Management
- Consumption Reports
- Medium Range Textile Solution
- Splice Control
- Washing Machine
- Bleaching Machine
- Merceriser Machine
- Dye Padder
- Singing Machine
- Desize Washer
- Continuous Linev Machines
- Printing Machine
- Laminator
- Coating Machine
- Extruder Application

Glass & Ceramics



- Batch House
- Glass Furnace
- Glaze Furnace
- Annealing Line
- Printing
- Ceramics Press
- Dual Fuel Upgradation
- IS Machine

Pharmaceuticals



- API Process
- Formulation Plant
- EMS System
- Water System
- Tablet Machines
 - Granulator
 - Blender
 - RMG
 - Compression, etc.
- Liquid Filling Machine
- Injectable
- 21 CFR Part – 11 Compliant Automation and Reporting systems

Furnace Automation



- Annealing Furnace
- Glass Furnace
- Metal Furnace
- High Frequency Induction Furnace
- Precious Metal casting Furnace
- BMS with SIL-3 Control System
- Copper Casting Furnace

Oil and Gas



- Gas Metering and Skids
- Air Separation Plant
- Loading/Unloading Automation
- O₂ & N₂ vaporization System
- Polybutene Extraction
- H₂ Handling

Material Handling



- Continuous material Conveying
- Batch Plant Automation
- Stacker-Reclaimer Automation
- Pneumatic Conveying Automation
- Crusher
- Palletizer

Machine Tools



- Tyre Building Machines
- Ply Cutter Application
- Automatic Conveying Line
- Curing Press
- Bearing Machine
- Stamping Machine
- Coating Machine
- Winding/Unwinding Machine

Water & Waste Water Solution



- Demineralized Water Plant
- Reverse Osmosis Plant
- Effluent Treatment Plant
- UHT
- Sewage treatment plant Automation

Fertilizers & Pesticides



- Compressor Automation
- Mill Control
- Evaporator
- ESP System
- Ammonia Storage & Handling
- Batch Weighing System
- Soot Blower System
- Boiler Automation
- Dryer Automation

Power & Energy



- Steam Turbine Automation
- Solar power Plant
- Captive Power Plant
- Hydro Turbine
- Load Shedding and Monitoring System
- Energy management and Protection System
- HRSG System
- Wind Blade Manufacturing Automation
- Transformer Stamping Machine
- Auto Tap Changer

Panel Engineering



- PLC Panel
- Drive Panel
- Control Panels
- MCC & iMCC Panels
- PCC Panels
- APFC Panel
- RIO Panels
- Operator Console
- Flame Proof Box
- Test Bench
- Purge Panel
- Customized Panel
- Elevators / Lift Panel

Services



- Site Service for Commissioning
- Break Down Services
- Harmonics Analysis
- Cable Management
- Commissioning Support
- AMC Contract

SIEMENS

**Rockwell
Automation**
 **Allen-Bradley**

SOME OF OUR CLIENTS



rajashree polyfil



& many more.....



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