

LOGIX INDUSTRIAL AUTOMATION SOLUTIONS

LOGIX

Authorized Channel Partner



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We are the Authorized Channel Partner of **ABB India Ltd.** for Industrial Automation Products like AC Drives, DC Drives, & PLC, HMI, SCADA etc..

We are in a position to offer you the best solutions for ABB make AC Drives, DC Drives, Servo Drives with Servo Motors, PLCs, HMI and SCADA & Bijlee AC Motors, Timely Delivery & Prompt Service.

Whatever your automation needs, we offer reliable, cost effective & comprehensive solutions.

Introduction

Logix Industrial Automation Solutions is one of the Fast Growing Industrial Automation service provider & system integrator in India, with expertise in the field of PLC & Drives Systems, Integration and Commissioning of Intelligent MCC / PCC Switch board and undertake System Migration and Retrofitting of PLCs drives, HMI & SCADA system.

We will undertake repairs of Automation Products such as AC/DC Drives, PLCs etc.

We will undertake Annual Maintenance Contract (AMC) of Automation systems.

We have good presence & expertise into PLC, HMI, SCADA, DRIVE SYSTEMS, SERVO DRIVES AND MOTORS and intelligent MCC/PCC PANELS Programming, Commissioning and Parameterization with Customized software Development.

Vision

To lead manufacturing industry automation process by offering to customer in terms of Quality, Innovation and Delivery consistently & satisfy them with economic and reliable solutions.

Mission

To provided custom automation systems to the market place and have invested heavily in our number one resource; our talented human resources. We understand the development process and have the experience to mitigate risk. Our commitment to excellence along with long term relationships with our customers gives us a reputation that is unparalleled in the industry.

Our Strength

Our real strength is our expertise in SYSTEM ENGINEERING which has came through innovative approach of every single person towards all projects executed by us till date.

We have good team of DESIGN & APPLICATION ENGINEERS. We are not only in Automation but also in SERVISING, RERTOFITTING, and AMC & CONSULTANT for our customers to decide right thing for their growth in their sector.

We Supply and Commission the Following Products

1. ABB

- AC Drives
- DC Drives
- Servo Drives with Motors
- PLC
- HMI
- SCADA
- Soft Starters

2. Intelligent MCC & PCC Panels

3. Motors

4. Instrumentation

- Pressure & Temperature Transmitters
- Flow Meters
- Sensors
- Level Transmitter

Key Projects

- ✦ Environment Monitoring System(EMS) Automation with Hot Redundant PLC system in M/s. Gland Pharma.
- ✦ 2 x 60T Tandem EOT Crane with VFDs and PLC in DRDO.
- ✦ Paper Machine with Sectional Drives and PLC with SCADA in M/s. Ganga Papers, M/s. Shree Chakra Papers, M/s. Vinayaka Papers etc.
- ✦ Resistive Furnace Control and Automation project in M/s NFC.
- ✦ Bulk Material Handling system Automation Project in M/s. Bothra Shipping Services-Haldia.
- ✦ Engine Control & Monitoring Automation of TUG with PLC in M/s Visakhapatnam Port Trust.
- ✦ 2000A DC Drive Retrofitting for Rolling Mill Application in M/s NFC. 21 Nos of DC Drives Retrofitting in MMSM of M/s. Vizag Steel.
- ✦ Retrofitting of Analog Drives with Digital Drives for Speed Control of Slip Ring Motors of 07 Nos EOT Cranes in MMSM of M/s Vizag Steel.
- ✦ Retrofitting of PLC and Drives system with latest PLC and Drives system for Bucket Wheel Reclaimer in Essar Ports-Visakhapatnam.
- ✦ Retrofitting of PLC and Drives system with latest PLC and Drives system for Tipplers in Visakhapatnam Port Trust.

Our Key Customers

We have etched a respectable place in the industry with the support of huge high profile client base like

- | | | |
|---|----------------------------------|--------------------------------------|
| ✦ Viskhapatnam Port Trust | ✦ DRDO | ✦ Hindustan Coca-Cola |
| ✦ Vizag Seaport Pvt Ltd | ✦ Mishra Dhatu Nigam Ltd | ✦ Pepsi |
| ✦ Gangavaram Port Ltd | ✦ Sree Chakra Papers | ✦ EID Parry Sugars |
| ✦ Bothra Shipping Services | ✦ Laxmi Tulasi Papers | ✦ Natems Sugars Pvt Ltd |
| ✦ Vedanta Ports | ✦ Ramdas Paper Boards | ✦ Nava Bharat Ventures Ltd |
| ✦ Shipyard | ✦ KVR Industries Pvt Ltd | ✦ The Andhra Sugars Ltd |
| ✦ Essar Vizag Terminal Ltd(Essar Ports) | ✦ Akula Boards Ltd. | ✦ Dredging Corporation Of India Ltd |
| ✦ Vizag Steel Plant | ✦ Vinayaka Papers Boards Pvt Ltd | ✦ Visakha Container Terminal Pvt Ltd |
| ✦ Sarda Metals & Alloys Ltd | ✦ Sirpur Paper Mills Ltd | ✦ Pharma Zell Pvt Ltd |
| ✦ Mangal TMT (Maa Mahamaya Industries) | ✦ Deevyashakti Papers | ✦ Smilax Laboratories Ltd |
| ✦ Taurus Steel | ✦ JK Papers-Rayagada | ✦ Bio Max Fuels Ltd |
| ✦ Vishal Steel | ✦ Murthy Constructions | ✦ ONGC Rajahmundry & Kakinada |
| ✦ Essar Steel | ✦ Rank Cranes Pvt Ltd | ✦ Brandix India Apparel City Pvt Ltd |
| ✦ Tojym Steels | ✦ Pedvak Cranes Pvt Ltd | ✦ HBL Power System Ltd |
| ✦ Nuclear Fuel Complex | ✦ Grip Engineers | |
| ✦ SF Complex Jagdalur | ✦ Techmech Cranes | |

ABB drives are designed for industrial applications, and especially for applications in process industries such as the pulp & paper, metals, mining, cement, power, chemical, and oil & gas. ABB industrial drives are available both as complete AC drives and as modules to meet the requirements of the users, OEMs and system integrators. These drives are highly flexible AC drives that can be configured to meet the precise needs of industrial applications, and hence order-based configuration is an integral part of the offering.

ABB low voltage AC Drives

The ABB low voltage AC drives product range, from 0.18 to 5600 kW, is the widest selection available from any manufacturer. These drives establish the global benchmark signifying reliability, simplicity, flexibility and ingenuity throughout the entire life cycle of the drive

ABB DC Drives

ABB's DC drives portfolio, from 9 to 18000 kW, provides the highest power-to-size ratio on the market. The drives are designed for most industries and applications including metals, cement, mining, pulp and paper, printing, food and beverage, wire manufacturing, and test rigs. ABB DC drives are available as complete cabinets, modules for cabinet assembly, and retrofit kits.

Services to match your needs

We have identified our customers four most common needs and defined service options to satisfy them. What is your choice to keep your drives at peak performance?

Is uptime your priority?

Keep your drives and softstarters running with precisely planned and executed maintenance.

Example services include:

- Installation and Commissioning
- Spare Parts
- Preventive Maintenance
- ABB Drive and softstarter Care
- Drive and softstarter Exchange



Operational efficiency

Is rapid response

a key consideration?

If your drives and softstarters require immediate action, our network is at your service.

Example services include:

- Technical Support
- On-site Repair
- Response time agreements
- Training



Rapid response

Need to extend your assets' lifetime?

Maximize your drive's lifetime with our services.

Example services include:

- Upgrades, Retrofits and Modernization
- Replacement



Life cycle management

Is performance most critical to your operation?

Get optimal performance out of your machinery and systems.

Example services include:

- Consulting
- Inspection and Diagnostics
- Upgrades, Retrofits and Modernization
- Workshop Repair
- Tailored services



Performance improvement

ABB general purpose drives



ACS560

Power range 0.75 to 160 KW
(3-phase 208 to 240 V,
380 to 480 V)

Wide power range and vector control for variable and constant torque applications from pumps and fans to conveyors and mixers— Many built-in features including an EMC filter for 1st environment, a Modbus interface and a swinging choke enhance drive performance and help reduce the space needed for installation

Intuitive control panel and assistant functionality for fast setup and commissioning.



ACS580

Power range 0.75 to 500 KW
(3-phase 380 to 415 V,
440 to 480 V)

Assistant control panel as standard with new primary settings and diagnostics menu with various assistants for effortless use of the drive

Built-in patented 2nd generation swinging choke for frames R10 and R11

Brake chopper up to 22 kW (R3)

Adjustable switching frequency control reducing motor audible noise

Options :

Wide range of fieldbus adapters and remote monitoring
Relay extension, PTC-thermistor, 115/230 V DI plug-in options

Free entry level PC tool with USB connection on control panel

All-compatible machinery drives



ACS380

Power and voltage range:
1-phase, 0.25 to 2.2 kW,
200 to 240 V

3-phase, 0.37 to 7.5 kW,
380 to 480 V

- Preconfigured drive variant for fast installation and commissioning
- Integrated icon based user interface for faster usability
- Adaptive programming for extended application programming
- Optimal application performance with vector control
- EMC variant with built-in C2 EMC filter
- Integrated safe torque off (STO) as standard
- Scalar control, open and closed loop vector control
- Built-in braking chopper
- Common DC connection with built-in charging unit



ACS880

Power and voltage range:
3-phase, 0.37 to 75 kW,
200 to 240 V AC

3-phase, 0.75 to 250 kW,
380 to 500 V AC

- Control of synchronous and asynchronous motors with direct torque control (DTC) in open or closed loop
- Advanced Control panel with USB or Bluetooth Connectivity
- Wide range of integrated functional safety features
- Supports a wide range of fieldbus protocols
- Wide range of speed feedback and communication options
- Integrated safe torque off (STO) as standard
- Built-in braking chopper
- Built-in EMC filter, category C2
- Extended connectivity to I/O

Options

- Extended connectivity to I/O
- Speed and EtherNet communication options
- Built-in/plug-in EMC filters for category C3, external EMC filters for category C2

AC500 PLC Platform



The AC500, AC500-eCo, AC500-S and AC500-XC scalable PLC ranges provide solutions for small, middle and high end applications.

Our AC500 platform offers different performance levels and is the ideal choice for high availability, extreme environments or safety solutions. Our AC500 PLC platform offers interoperability and compatibility in hardware and software from compact PLCs up to high end and safety PLCs.

AC500-eCo PLC



Meets the demands for cost-efficiency of the compact PLC market whilst offering total inter-operability with the core AC500 range.

Up to 10 I/O modules can be connected to the CPU, fast counter onboard CPU with up to 50 kHz.

Web server, FTP server and Modbus[®] TCP for all EtherNet versions.

A pulse train output module is available for multi-axis positioning.

**AC500-XC PLC**

“Extreme conditions” modules for extended operating temperature ranges in rough environments, immunity to vibration and hazardous gases, suitable for high altitudes, humid conditions, etc.

The built-in protection against dirt, water, gases, dust makes it the perfect alternative to costly cabinets.

Operational information at one single touch



The CP600-eCo and CP600 HMI control panels offer a wide range of features and functionalities for maximum operability.

ABB control panels are distinguished by their robustness and easy usability, providing all the relevant information from production plants and machines at a single touch. CP600-eCo. The economic control panel series offers touch screen graphic displays from **4.3” up to 10.1”**.

CP600 : This control panel series offers a wide range of touch screen graphic displays from **4.3” up to 15”**.

DCS (Distributed Control Systems)

With a 20% market share across industries, the number one ranking from ARC Advisory Group is testament to ABB as the leader of digitally enabled control and automation as confirmed by the “Distributed Control Systems Global Market 2018-2022” report

System 800xA



System 800xA is not only a DCS (Distributed Control System) it's also an Electrical Control System, a Safety system and a collaboration enabler with the capacity to improve engineering efficiency, operator performance and asset utilization.

AC800M



ABB AC800M Most advanced Controller For Plant operations.

The rich function block library includes several types of control loops, including advanced control and auto-tune capabilities as well as integration for ABB drives and motors.

7 CPU Range as per suitable Applications.

Suitable for Both redundant and Non redundant application.

Hot Swappable facility provide easy to replacement.

Easy OPC Connectivity with SCADA system.

SCADA Software



ABB Zenon

Zenon is a software platform that makes the engineering and automated operation of manufacturing and infrastructure equipment incredibly easy. Whether working in manufacturing or in the energy industry, zenon can help you reach and sustain your operational goals

Low Voltage Motors



Standard induction motors – Process performance motors – General performance motors

Motors for explosive atmospheres – Flameproof motors – Increased safety motors – Non-sparking motors – Dust ignition protection motors

Frequency controlled motors – Synchronous reluctance motors – Permanent magnet motors – High speed motors – HDP AC servomotors

Special application motors – Marine motors – Water cooled motors – Brake motors – Motors for high ambient temperatures – Smoke extraction motors – Single phase motors – Traction motors

VFD Control Panels



We Design VFD Panels are specially with front and rear access for easy wiring and maintenance. These are designed to give sophisticated front appearance and spacious internal layout to facilitate easy preservation

Some of the Salient Features :

- Sturdy Construction
- Reliability
- Excellent Performance
- Lesser Consumption of Electricity



PLC Control Panels



Design of Automation system for plant and machinery.

Supply of PLC, DCS, Drives and related hardware.

Design, Manufacturing, Supply of all kinds of PLC based Control Panels for Machines.

Software for PLCs, DCS and Man Machine Interface.

SCADA systems and data management software for complete MIS for production and related activities.

PCC/ MCC Control Panels



Design, Manufacturing, Supply of all kinds of Electrical Distribution Panels. Such as PCC, PDB, & MCC, PMCC..

Installation, Commissioning and servicing for all type of Electrical Installations and Equipment's.

Turnkey project execution.

Our Achievement



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India

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TO WHOM SO EVER IT MAY CONCERN

9-3-18

M/s Logix industrial Automation Solutions-Visakhapatnam has supplied and commissioned Schneider make PLC system on 06.01.2017 against our Purchase order no:4200905186, Dt:14.06.2016 for Bucket Wheel Reclaimer(BWR-4). The system is working satisfactorily from the date of commissioning.



For Essar Vizag Terminals Limited



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