

ACCURE POWER TECHNOLOGIES (P) LTD

INNOVATIVE TECHNOLOGIES FOR BETTER TOMORROW



ACCURE



Pioneer In - • INDUSTRIAL AUTOMATION SOLUTIONS • AC AND DC DRIVE SOLUTIONS • SOLAR POWER PLANT SOLUTIONS

ABOUT US

ACCURE is a sister concern of **Suman Electric Udyogs Pvt Ltd.** Bangalore, which established in 1991.

ACCURE team members jointly working for ABB drives and automation in their many projects, having vast field experience over 15 years. This long and rewarding journey has been remarkable with trials and triumphs, challenges and achievements. Today, our team takes great pride in the experience it has gathered, the expertise it has developed and the skills it has got in planning, designing, execution and effective operation of large process and manufacturing industrial projects.

INTRODUCTION TO INDUSTRIAL AUTOMATION

Automation is the use of machines, **control systems** and **information technologies** to optimize productivity in the production of goods and delivery of services.

Application of automation can net as much as 3 to 4 times original output with no increase in current human labor cost. Automation greatly decreases the need for human intervention and mental requirements while increasing load capacity, speed, and repeatability. Automation plays an increasingly important role in the **world economy**.

PROCESS AUTOMATION

Process control is a complex system using statistics and engineering methods in conjunction with architectures, mechanisms, and algorithms to control the output of an industrial automation process.

The most common industrial automation control device used for process control is the programmable logic controller (**PLC**). PLCs read a set of digital and analog inputs, process logic statements, and generate analog and digital outputs to the industrial automation process.

Large complex systems can be controlled by a Distributed Control System (**DCS**) or **SCADA** system. A distributed control system is a control system usually a manufacturing system, process or any kind of dynamic system, where the controller elements are not in a central in location but are distributed throughout the process where each sub-system can be controlled by one or more controllers. The entire systems of controllers are then connected by a network for communication and monitoring.

SCADA is an acronym for **Supervisory Control and Data Acquisition**. SCADA systems perform data collection and control at the supervisory level.

OUR BUSINESS

- Design, Engineering, Programming of PLC, SCADA and drives.
- Detailed Engineering, Consultancy and Training.
- Manufacturing of PLC Based control panels and drive panels.
- Solar power plant engineering and system integrations

one of the leading dealer for Industrial automation products which includes

- LV and MV AC/DC/Servo Drives and Motors.
- HMI, PLC and SCADA.
- Power supply, Interface relay module Temperature controller for OEM, SPM's, HVAC and Industrial Applications.
- Channel partners of ABB, DELTA, & CONNECTWELL automation products.

Executing Turnkey Projects, Installation And Commissioning For ;

- Process Automation industries
- Metals industries
- Cement, Minerals industries
- Pulp & Paper industries
- Water Industry
- Chemical industries
- Rubber and Plastics industries
- Food and Beverage industries

- Cranes automation
- Ports handling equipments
- Mining equipments
- Marine industries
- Panel Builder Solutions
- Automotive industries

- Power Generation
- Solar Power Solutions
- Wind Power Solutions
- Energy Efficiency solution

**Go Green
Through
Innovative
Technologies**

ACCURE POWER TECHNOLOGIES PVT. LTD. is a Quality Management System company Introduces complete range of products with different Electric Engineering Distribution for Electrical Applications & Industrial Electronics. We run by teams of technical experts, Trained Marketing professionals and a determined Commissioning engineering workforce for Industrial Automation Products who put immense efforts to achieve success by providing full satisfaction to our customers for ever lasting relationship.

OUR PRODUCTS & SERVICES

DRIVE PANEL, PLC AND CONTROL PANELS BUILDING SOLUTIONS



SLIM AND MODULAR RELAY

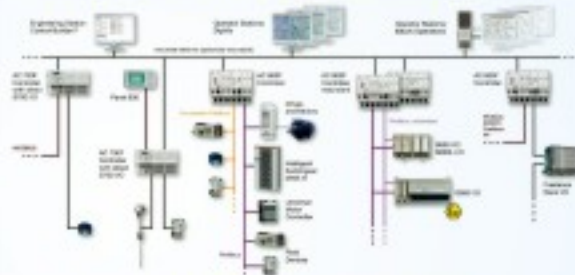


POWER SUPPLY AND INTERFACE MODULES



- Different power supply modules
- Ac to dc converters (rectifiers)
- Dc to ac converters (inverters)
- SMPS

INTERFACING OF PLC, HMI, SCADA AND FIELD INSTRUMENTS FOR AUTOMATION CONTROL



DIFFERENT FIELD BUS COMMUNICATION

- Profibus
- Modbus
- Ethernet
- Device Net
- Canopen
- Apcnet

SOLAR POWER PLANT AND SYSTEM INTEGRATION



Grid-connected high precision solar inverters can work in any rugged situations having international standards and qualities. We maintain the same in our complete project execution.

OUR TECHNICAL SOLUTIONS FOR ...

LOW AND MEDIUM VOLTAGE AC/DC DRIVES FOR REDUCED ENERGY CONSUMPTION AND OPTIMIZED PROCESS CONTROLS



ADVANTAGES

- The steady state and dynamic characteristics of electric drives can be shaped to satisfy load requirement.
- They are available in wide range of torque, speed and power.
- They have high efficiency as compare to other drive system.
- They can be simply applied to any condition like explosive or radioactive conditions.
- They can be integrated through all international standard communication protocols.
- They can operate in all four quadrants of speed-torque plane with smooth decrease and increase in speed.
- Unlike other prime movers, there is no need to refuel or warm up the motor.
- They can be started instantly and immediately with fully loaded conditions.

PLC, SCADA AND HUMAN-MACHINE INTERFACE (HMI) SYSTEM SOLUTIONS



THE ADVANTAGES OF THE PLC / DCS SCADA SYSTEM ARE

- Thousands of sensors over a wide area can be connected to the system.
- The computer can record and store a very large amount of data.
- The data can be displayed in any way the user requires.
- The operator can incorporate real data simulations into the system.
- Many types of data can be collected from the RTUs.
- The data can be viewed from anywhere, not just on site.



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