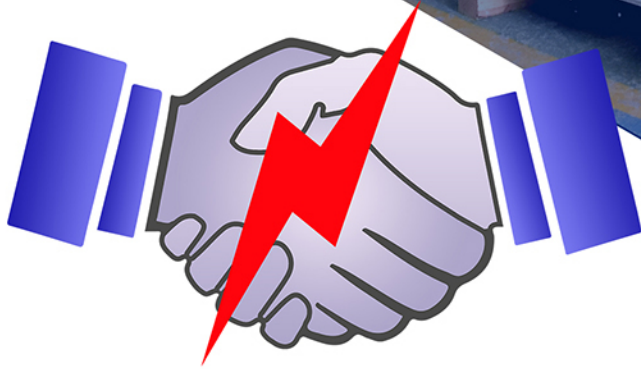


COMPANY PROFILE



POWER CONTROL SYSTEMS

YOUR POWERFUL PARTNER



✉ info@powercontrolsystems.in

🌐 www.powercontrolsystems.in



ABOUT OUR COMPANY

We are one of the India's leading Panel manufacturers. Incepted in 1994, Our company specializes in the manufacture of MCC, PCC, APFC panels, PLC panels, AC/DC Drive, bus duct and custom-built panels.

We manufacture custombuilt switchboards to meet the power distribution and motor control needs of major industrial sectors like Pharmaceutical, Cement, Steel, Automobile, Power Plant, Paper, Sugar co gen power plant, Solar, Wind Mill, Effluent Treatment Plant, and All our panels are specially designed for hot, humid, dusty and robust conditions.

We are Authorised Panel Manufacturer for DANFOSS, ABB, SIEMENS, EMERSON, PARKER.

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KEY HIGHLIGHTS



TECHNOLOGY

- ▶ Panel manufacture as per IEC-60439.
- ▶ Panel manufacture as per IEC-61439 with Rittal.
- ▶ Design and manufacture up to 1.4MW AC Drive system.
- ▶ Design and manufacture up to 3200A DC Drive.
- ▶ Design and manufacture up to 6300A PCC Panel.

STRENGTHS

- ▶ A leading manufacturer & exporter of VFD Panels.
- ▶ With rich industrial experience, we supply products that are in compliance to international standards and clients' specifications.
- ▶ With no compromise on quality, we delight our customers by reducing the operational costs.
- ▶ Our asset is our team of highly qualified professionals and skilled labor, comprising of some of the finest talents in the industry.
- ▶ We always welcome quality surveillance from our valued customers for continual improvements.



QUALITY

Delivering Quality Products through Safety, Reliable and Smart Solutions Proposing Cost Effective Solutions Sourcing Material from the Manufacturers Adhering International Quality Standards



VISION

Power Control Systems shall thrive for continual improvement and learning to meet the expectations of employees, customers and society.

MISSION

Mission of Power Control Systems is to focus on high quality services by utilising latest technology and conforming to industrial standards. Through our services we bring significant value to our customers and society.





POWER CONTROL CENTRE

These panels provide the power distribution & monitoring solution for your plant. Necessary safety features along with required accessories are provided for safe operation and operator safety.

Our design engineers collaborate with users / customers to bring out an optimum design solution. In special cases, we can also provide modular designs in PCC, allowing to shift feeders from one location to another to reduce the down time

FEATURES

- Modular/ Compartmentalized design
- As per Standards IS 60439/ IS8623/IEC 60439/IEC 61439
- Draw out/ Non-Draw out Design
- Construction with individual motor starter sections up to FORM 4 separation
- DOL/RDOL/Star-Delta/Soft starter/VFD Starters

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BUS DUCT

Safely transferring the electrical power from one location to the other is what Busducts do. These are usually a replacement to Power cables/ Cable bus when it comes to higher ratings. The Busducts are manufactured with air as a dielectric. Necessary clearance and creepage distances are maintained along with required supporting arrangement to withstand forces experienced during short circuits. Material of busbars is Copper or Aluminium based on system and customer requirements.

FEATURES

- Sturdy Design and Construction
- Busbar material – EC Grade Copper / E91E Grade Aluminium
- Busbar Supported on SMC/DMC support
- Busbar with Heat Shrinkable Sleeve
- Material of Enclosure – Mild steel / Aluminium
- Busduct Rating – Up to 4000A

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MOTOR CONTROL CENTRE

These panels are used for providing the control of various motors for your plant. We work with the customer to understand their design philosophy and develop the control wiring diagrams accordingly. In special cases, we can also provide modular design allowing to shift feeders from one location to another to reduce the down time

FEATURES

- Modular/ Compartmental / Non-compartmental design
- As per Standards IS 60439/ IS8623/IEC 60439/IEC 61439
- Ingress Protection up to IP55
- Designed Isc Level – As per Customer Requirement
- Rated Current – As per Customer Requirement
- Busbar material – EC Grade Copper / E91E Grade Aluminium
- Draw out/ Non-Draw out Design
- Construction with individual motor starter sections up to FORM 4 separation
- DOL/RDOL/Star-Delta/Soft starter/VFD Starters

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VFD PANEL

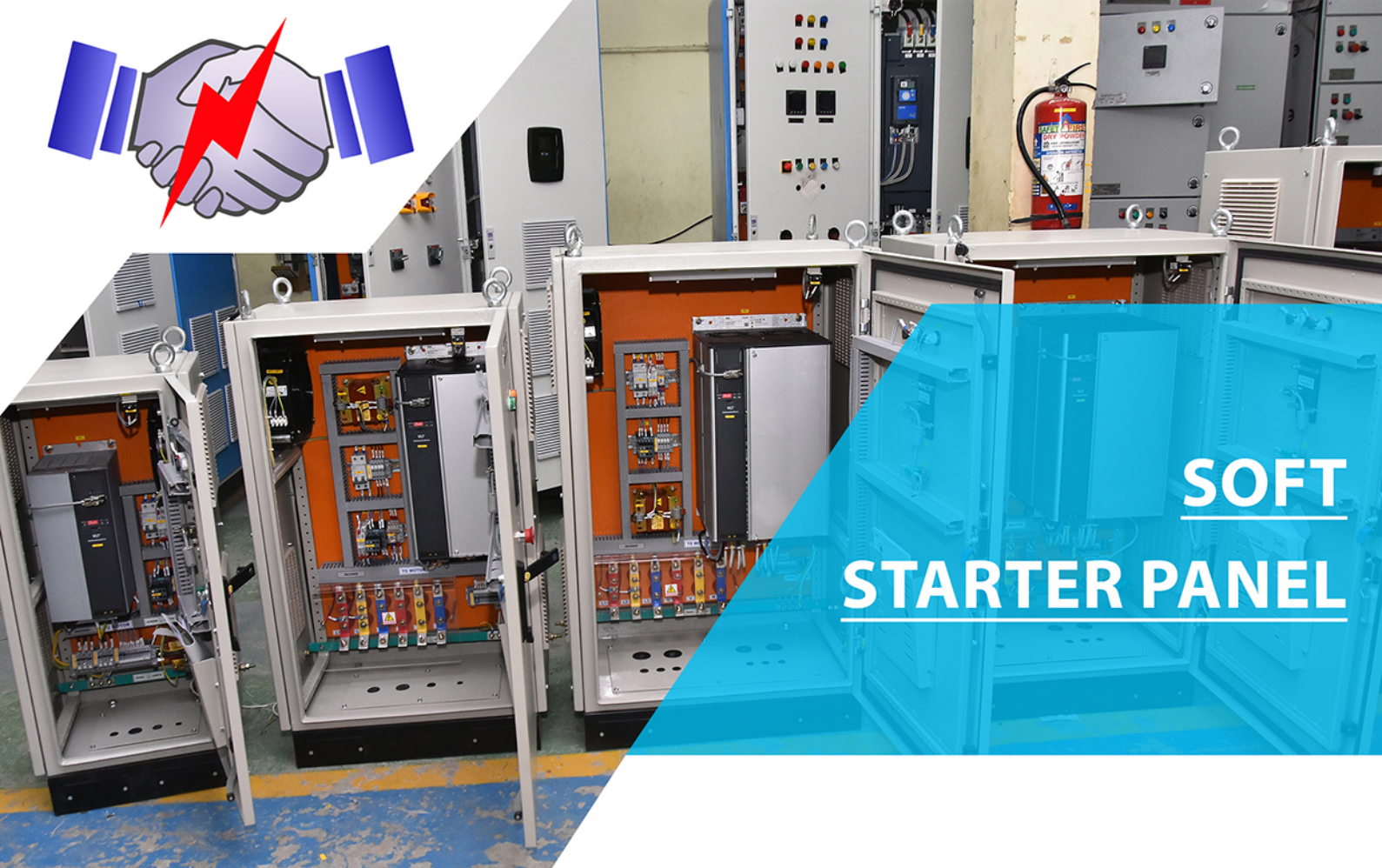
Working out on best solution for given application is what we have for you in case of VFD panels. Advantages like reduced energy consumption, extended life and low maintenance is making this product a favourite choice of users. Power Control can provide you with appropriate solution based on your requirement. Providing dirt proof enclosures, maintaining internal ambient along with necessary protections for VFD is what we serve you for enhanced performance of VFD's.

FEATURES

- Free Standing, Floor Mounted, Wall mounted Type
- Ingress Protection up to IP55
- Designed Isc Level – As per Customer Requirement
- Rated Current – As per Customer Requirement
- Busbar material – EC Grade Copper / E91E Grade Aluminium
- Powder Coating with RAL 7035 / RAL 7032 or User specified
- Sturdy Construction

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SOFT STARTER PANEL

We supply qualitative Soft Starter panels that are used to eliminate the high inrush current and start-up torque on every start. Soft Starter panels, offered by us, provide starting parameters that increase the life of heavy-duty compressor & blower, ID/FD, fans, chillers, coolers and pumps.

FEATURES

- Free Standing, Floor Mounted, Wall mounted Type
- Ingress Protection up to IP55
- Designed Isc Level – As per Customer Requirement
- Rated Current – As per Customer Requirement
- Busbar material – EC Grade Copper / E91E Grade Aluminium
- Sturdy Construction
- Powder Coating with RAL 7035 / RAL 7032 or User specified
- Doors are open able with hinges for 110° Opening

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APFC PANEL

A smart approach towards reducing electricity bill charges along with eliminating Power Factor penalty is to go in for APFC (Automatic Power Factor Correction) panel. Lower Power Factor is caused mainly by inductive loads (such as induction motors) which require reactive (KVAR) power to produce magnetic fields. Primarily consisting of capacitor banks and contactors for addition / removal of the required KVAR to system so as to improve Power Factor, is what APFC panels do. An APFC relay automatically switched the capacitor banks ON or OFF on based on the actual working load, thereby providing required KVA and maintaining the power factor close to unity.

FEATURES

- Auto/Manual Modes
- Construction In transport Sections for easy transport
- Modular/Compartmental/Non-compartment construction
- Forced Air Cooling

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THYRISTOR CONTROL PANEL

Thyristor control panels are basically used to control voltage and monitor the working of heaters and variable applications in a production line. We manufacture a wide range of these panels. It consists of high-grade Thyristor with fuses, MCBs and MCCBs, Heaters, contactors, Isolation switches, Indication lamps, Alarm system etc. with correct current ratings. In our panel PID/PLC controllers are used for controlling the system.

FEATURES

- PID/PLC based control system
- SCR power controller – Single or Three Phase and Phase angle fired.
- Alarm system.
- Auto / Manual Controlling.
- Soft start – Brake out feature prevents moisture at start up.
- Current Limit, Phase Loss Trip and Over Temperature Trip.
- Economical and long durability

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PLC PANEL

Most of the process plants are now-a-days operated by PLC systems. We can offer variety of PLC panels to suit the customer requirements, such as stand-alone type panels, workstation type, desk type panels etc. We can provide total solution including PLC programming and required site support or we can we can install PLC hardware supplied by customer, depending upon customer preference

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CONSOLE/CONTROL DESK/PRINTER TABLE

Console ,control desk & Printer table consists of welded or bolted type's construction. These are building up different type of shape and it can design as per customer's specific applications. Keyboard Tray facility can provide as per Customer requirement

SPECIFICATIONS

- Degree of Protection : Up to IP55
- Operating Voltage : Up to 440V
- Dimension : As per requirement
- Materials : Type of Control Panel
- MS/SS : As per requirement
- Usage/Application : Control desk is use where operation is different side from panel.

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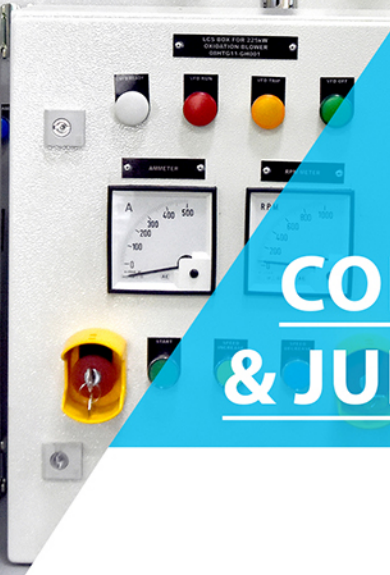
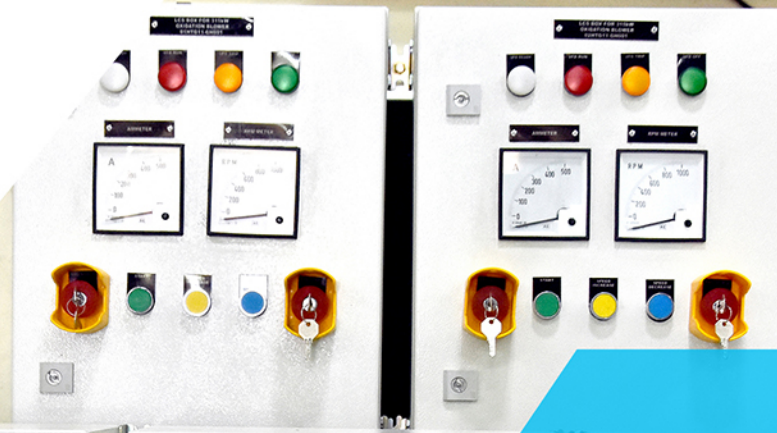


INSTRUMENTATION PANELS

Monitoring and controlling process parameters is what we achieve by use of Instrumentation panels. Monitoring and watching your whole process work from a single location is made easy by Instrumentation panels. These are tailor-made panels and are designed taking into account the needs of the plant. We are into design and manufacturing of Instrumentation Panels in various constructions and shapes like Wall Mounted, Stand alone, Desk type etc.

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LOCAL CONTROL PANELS & JUNCTION BOXES

Our Local Control Push Button Stations are weather proof and suitable for indoor as well as outdoor use. LCS are industrial type and can be manufactured with or without a canopy as per the requirement. All LCS come with S.S. hardware and earthing provision. Sizes can be customized as per the specifications of clients.

SPECIFICATIONS

- Degree of Protection : Up to IP65
- Operating Voltage : Up to 440V
- Dimension : As per requirement
- Materials : Type of Control Panel
- MS/SS/FRP : As per requirement
- Usage/Application : Industrial remote-control applications

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PRODUCTS WE USE



VFD

- Danfoss
- Parker
- ABB
- Siemens
- Nidec
- Fuji Eletric



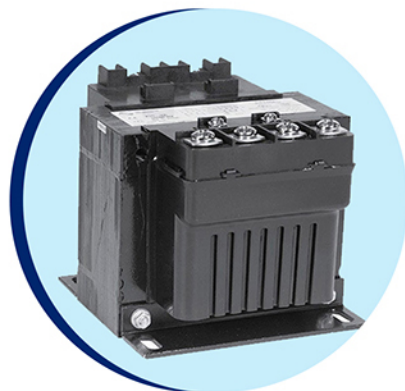
SWITCH GEAR

- Siemens
- ABB
- Schneider
- L&T



TRANSFORMERS

- Kalpa
- Indcoil
- Pragati
- Unit Services



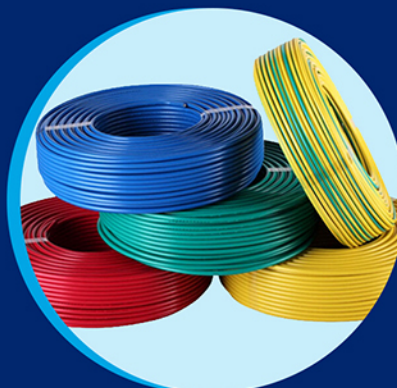
PLC

- Siemens
- Rockwell Automation
- ABB

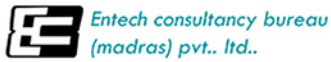


CABLES

- Polycab
- RR Kabel
- Finolex
- Lapp



OUR CLIENTS



“It’s not about having the right Opportunities. It’s about handling The opportunities Right.”

-MARK HUNTER



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