

WE PROVIDING
SMART IDEAS
TO GROW YOUR BUSINESS





About Us

Beginning with the manufacturing of Electrical Panel, we have steadily evolved with time and technology and have significantly expanded our operations. Today, We are manufacturing complete range of electrical panels.

We JENIL POWER AUTOMATION believes in co-operation the friendly and pleasant working atmosphere at JPA, Makes business with company a please to the Customer. The company's continuous investment in technology & training.

It's dedication to total quality management in all disciplines from research & development to marketing, from manufacturing to after sales services, have created competitive advantage for the company.



Who we are

- JENIL POWER AUTOMATION is fast growing, professionally managed company in the field of Electrical and instrumentation.
- JENIL POWER AUTOMATION is professionally managed by a team of technocrats having more than 2 decades experience in the area of Instrumentation & electrical. We have been offering high technology products, designed by incorporating innovative solutions and latest production methods. A team of competent professionals always works relentlessly towards meeting the requirements of our clients. With quality products and high end services, we have won the trust of our clients, located all over the globe.
- JENIL POWER AUTOMATION has proven expertise for various types of control panels and automation solutions, mainly all type of electrical control panel & projects, rotating equipment instrumentation and Automation applications. The Control Panels are designed using AutoCAD / E-Plan software, which provide unique advantage of Project Planning, Control panel engineering documentation and management of electrical engineering / automation projects.
- Design, Develop & produce customized CNC sheet Metal Fabrication.
- Design, Develop & produce All Type Of LT & Automation Panels.



Why Us

The company is providing an assortment of products, services and solutions to its esteemed clients. They are as follows

- | | |
|----------------------------------|-------------------------------------|
| Latest manufacturing techniques. | High productivity. |
| Wide distribution network. | Customer centric business policies. |
| Experienced team of engineers. | Maximum safety. |
| Consistent quality output. | User friendliness. |
| Innovative range of product. | Ease of maintenance. |
| Competitive prices. | |

Activity

- Automation Solution & Manufacturing
(PLC, SCADA,DCS System & Instrument Control Panel)
 - Manufacturing Low Voltage Electrical Panel
(PCC, MCC, VFD, Starter, IMCC, PMCC, APFC, PDB & BUSDUCT)
 - Drive Solution (AC, DC & SERVO Drive).
 - EPC Of All Electrical Control Panels.
 - Erection and Commissioning
 - After sales services, Maintenance services.
 - Contracts in
Fabrication & Mechanical | Electrical Industrial & commercial | Telecom Towers.
- 

Panel Mfg Works





All Type of Starter Panels

Auto Start Starter starts the motor automatically when power resumes in auto mode . It checks power supply condition before restarting and it has inbuilt feature of time delay before restarting.



DOL
Starter



Star
Delta
Starter



ATS
Starter



Specification

Range upto 200A relay

Wide band coil available

Phase Reversal Protection

Phase Imbalance Protection

Single Phase Protection

Auto/ Manual Mode available

Sheet Steel enclosure
conforms to IP 40

Monitor power supply
condition before restarting

Time delay before restart to check stable
power supply (5 Sec or 5 Minute options)



Soft Starter & AC Drive

Soft Starter

- Soft-starter to reduce Starting current upmax 3 x In.
- All motor protection with communication for data exchange & control.



AC drive

- Energy Saving and Variable speed operation.
- Ac drive Panel with/Without Bypass Circuit for 100% feeder availability.
- Low Harmonics & Regenerative to have low power loss.

Smart MCC Panels

- When was my motor installed?
- How many time sit tripped?
- Which fault is more frequent?
- How severe was last fault?
- What do I need to fully protect my motor?
- What needs to be checked during next shutdown?



Smart PCC with/without Energy Management system.

- PCC (Power Control Centre) Panels are used to supervise and control the voltage and power of the power system. These panels are made of high-quality raw material and are extremely sturdy in fabrication. Main power instrument panel which consists of feeder breakers and provide breakers, monitoring devices and control devices. A reputed pcc panel manufacturer read all field data received for electrical power panels are designed.
- Power control centre Panels are the most essential part of electrical system. An industry from where the power of the industry is controlled. Perfect Products (India) is widely known for premium quality power distribution board designed and made consistent with the customer specifications. Best quality switchgear and bus bar are used for reliable and efficient performance.
- Power Control Centre is used for distribution and control of various power source used in industry. Normally Power Control Centre's is installed near power source hence faultlevel is high. It is designed for fault level 65 KA for 1-sec Bus bar system.

Electrical interlocking of ACB & MCCB

Mechanical interlocking of ACB & MCCB

Numerical relay protection

Earth leakage protection .

Lock out relay for protection .

annunciate for the fault indicator

energy management of power

position of electrical power

local and remote operation

terminal for PLC operation



APFC Panel

- APFC Panel has microcontroller based programmable controller which switches the capacitor banks of suitable capacity automatically in multiple stages by directly reading the reactive load (RKVA) which works in the principle of VAR sensing tends to maintain the PF to 0.99 Lag. The capacitor banks may be selected in number of stages as 4/6/8 according to the loadpattern.

Maintains high Power Factor constantly

High efficiency

In-built independent fuse

Protection from excess power in the system.

Prevents leading Power Factor in low load conditions

Clearly marked buttons and indicators

Minimizes harmonic current

Avoid manual disruption

Corrosion-resistant

Long lasting

Electrical insulation

Protects electrical equipments



PLC Control Panel

PLCs are often used in factories and industrial plants to control motors, pumps, lights, fans, circuit breakers and other machinery. Integrated PLC Panel can monitor any process and provide data wherever and however you need it.

industrial automation

Oil & gas plant automation

Plastic machine automation

Construction machine automation

Textile machine automation

Printing & packaging

Pharma machine automation

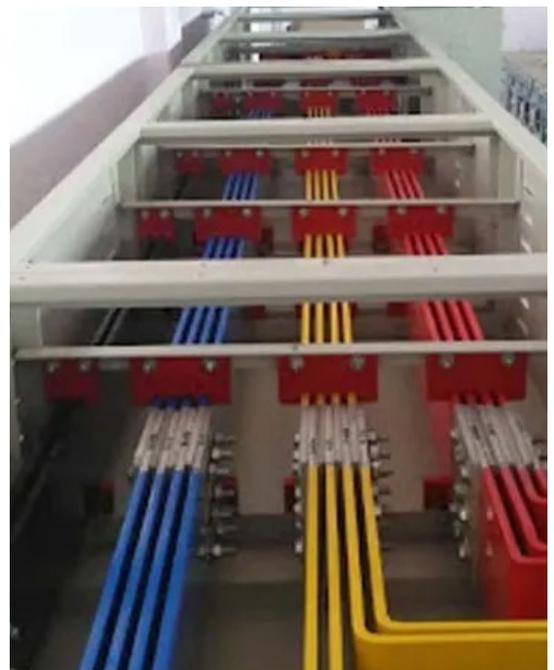
Engineering service

All type of plc instrument



BUS DUCT

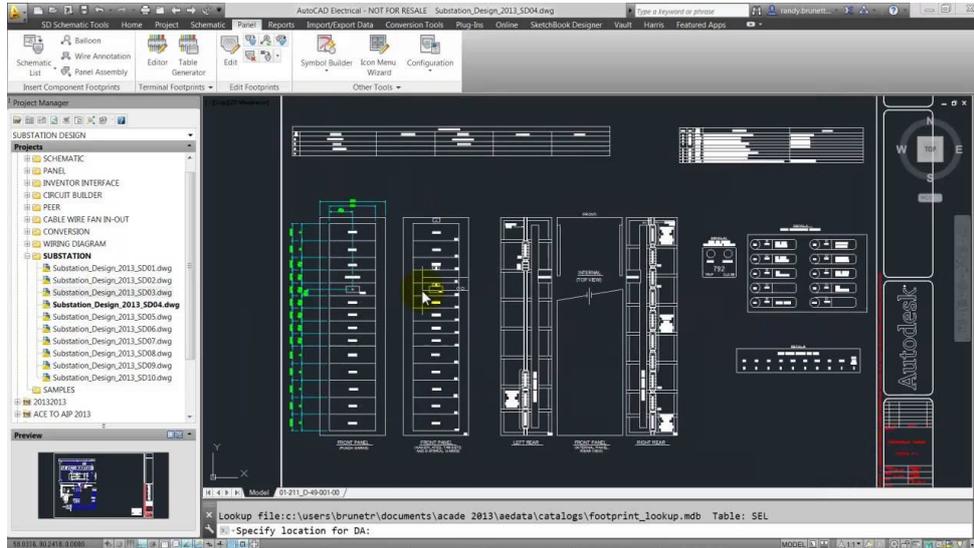
- Copper Bus duct, the bus bars shall be of high conductivity copper of 99.9% pure grade and shall be continuously nickel/ tinned / copper / suitably plated for the entire length. Rating of busbar shall be as per data sheet, and it shall be 3Phase +100% Neutral+ 50% integral earth including bends.
- This specification is intended for design, manufacture, transporting, installation and testing at site of compact sandwich type Aluminum/Copper conductor LT Bus Bar Trunking system (Bus duct) suitable for indoor/outdoor installations as specified .
- 415 V, 3 Phase, 50 Hz, self cooled, sandwich construction Al/Cu bus duct as per the specific requirements shall be supplied. The bus bar systems offered shall be complete with all necessary accessories like elbows, off sets, reducers etc.





Electrical Design

The electrical design process is a vital part of the product development cycle. It involves designing the power and control systems of devices such as batteries, inputs and button functionality.



Fabrication Work

All Type Of fabrication Work .

All Type Of Engineering fabrication Work .

All Type Of Mechanical Machine Job work .



Lighting pole



Panel enclose



Compact Substation



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