

GREEN ENERGY | PROCESS | FACTORY | MACHINE



WE DO WHAT WE ARE EXPERT IN

# Company Profile



## **VASU AUTOMATION & ELECTRICALS**

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Electrical, Instrumentation & Automation Products  
and Turnkey Services/Solutions



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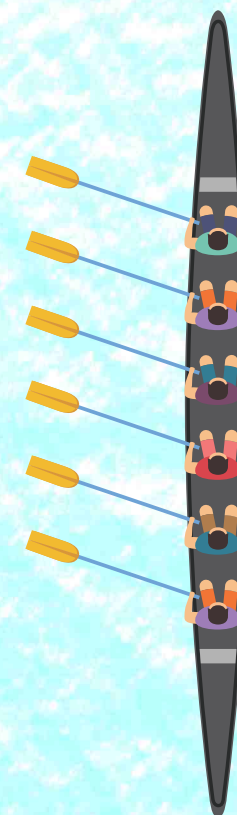
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# Who we are, What we do

## Solutions You Can Reckon. Partners You Can Trust

Vasu provides Electrical and Automation products and turnkey services/solutions to clients across the Gujarat, throughout the India. We have been employee owned company since 2007 and trace our origins to the early 1992s.

Working together, our engineers, technical specialists and technicians help clients for a complete project electrical, instrumentation and control automation related requirements.

### Work details at glance:

- Design, Procurement, Manufacturing, Supply and Start up- Electrical system
- Design, Procurement, Supply and Start up- Instrumentation
- Design, Procurement, Manufacturing, Supply and Start up- Control automation (PLC, VFDs/Servo, HMI/SCADA) systems
- Design, Procurement, Supply and start up - Cables, Illumination, Earthing
- Manufacturing of Panels  
(Electrical- CPRI tested HT & LT panels, DBs, special design panels, C&I- PLC integrated with HMI, Drive/Servo, RIOs and SCADA, Instrumentation JBs, etc. as required)
- Management & start-ups services  
(Installation, erection, commissioning, O&M and training for O&M staff).
- Repairing Services- VFDs
- Electrical liaison, Retrofitting / Modification
- Trading products: L&T switchgear, L&T ISP, RR cables, Neptune Ducati capacitors, Neptune Bals industrial sockets, Trinity meters, Excel motor protection relays

### Vasu delivers results with optimum recourses & best solutions!

Various application areas we serve are textiles, solar, steel, water & waste water, power, paper & packaging, dyeing & printing, diamond, machine systems, process and manufacturing along with others.

We'll bring to your projects the insights and expertise we've gained from our work and a promise to do our best work on your behalf. Vasu is always ready to accept new assignments regardless of their technical challenges.



## Infrastructure

Vasu having the allocation in over 12,000 sq. ft. of area with panel manufacturing facilities viz. Pneumatic Based Shearing Machine & Bending Machine, Pneumatic Torque Machine, Pneumatic Tools, HV & LV Equipments Testing Facilities, etc. Well-equipped quality control system line helps the Vasu designing the future of the company with the user friendly and durable products. Additionally Vasu having in-house testing & repairing lab for products.

# Our Philosophy



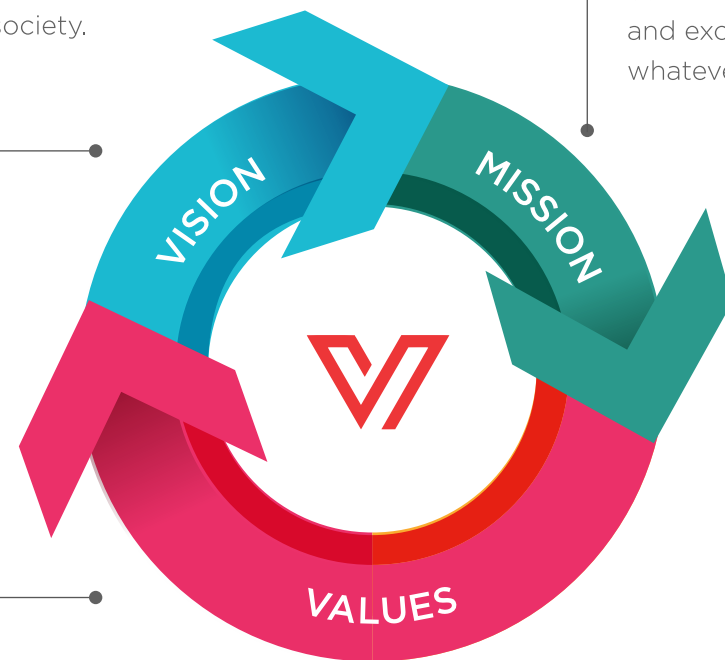
## OUR VISION

Be the foremost engineering organization by proposing fair price based finest products, services and solutions for industry, infrastructure & renewable energy sectors with fulfillment for our customers, our people and society.



## MISSION

Consistently deliver products or innovative solutions reinforced by quick to respond client service and a commitment to quality and excellence in whatever we deliver.



## VALUES

- Integrity:** Be open and honest with ‘Can do’ attitude
- Excellence:** Serve with innovation to add value & satisfaction. Improve continual to grow and achieve
- Relationships & Teamwork:** Build positive, long-term relationships with attitude of teamwork with clients, joint-venture partners, subcontractors, suppliers, and colleagues that are built on trust, respect, and collaboration.

# Manufacturing Division - HT Panels

## Product Range:

HT panels, LT panels-PCC, MCC, PDB/LDB, APFC, Synchronous panel, PLC panel, VFD control panel

Special application panels-hydraulic lift panel, crane panels, Machine operation logic control panels etc.

We offer CPRI tested Medium and Low voltage switchgear panels as per client/project specifications meeting all industrial standards with high efficiency, robust construction and compact design.

## Why our product ranges are eye-catching with smart prices?

- Our strength of trading all products required to build panels
- Good quality materials in accordance with industrial quality standards and latest technology.
- Complete in-house facility for panel building with latest tools, fabrication and pool of expert & qualified engineers
- Ensure durability, high performance, trouble free operation, less maintenance and low power consumption.



## High/Medium voltage switchgear panels:

### Features:

- Capacity: Up to 33 KV**
- Insulating medium: Vacuum
- Interrupting device: Vacuum circuit breaker
- Max. Current Rating: 1250A, 13.1kA & 25kA and 2500A, 40kA
- Rated Voltage: 3.6 KV, 7.2 KV & 12 KV, Ambient Temp.: 50 °C
- Construction type: Modular Metal clad, indoor type & Indoor & Outdoor
- Application: Transmission system, Distribution

# Manufacturing Division - LT Panels

LT Panel is an electrical distribution board that receives power from generator or transformer and distributes the same to various plant devices and distribution boards.



# Manufacturing Division - LT Panels



## PCC (Power Control Center) Panels:

### Features:

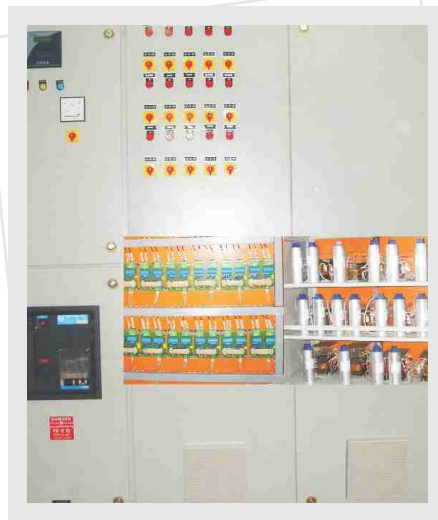
- **Capacity-Up to 6300 A**
- Construction Type: Modular /Fixed Type, Draw out/ Non draw out, Indoor & Outdoor
- Operation: Single front/Double front
- System Voltage: 600 V, Ambient Temp.: 50°C
- Integrate for protections: Over load, earth fault, under voltage etc.
- Integrate metering, Degree of protection(IP 54/55/65) as required



## MCC (Motor Control Center) Panels:

### Features:

- **Motor rating: 0.5 HP to 500 HP**
- Construction Type: Modular /Fixed Type, Draw out/ Non draw out, Indoor & Outdoor
- Type of starting: Direct on line (DOL), Star-Delta, autotransformer, Soft starter
- Operation: Single front/Double front , Local/Remote
- System Voltage: 440 V, Ambient Temp.: 50°C
- Integrate for protections: Over load, earth fault, under voltage etc.
- Integrate metering, Degree of protection(IP 54/55/65) as required



## APFC (Automatic Power Factor Correction) Panels:

### Features:

- **Capacity: As required**
- Construction Type: Modular /Fixed Type, Draw out/ Non draw out, Indoor & Outdoor, Compartmentalized/Non compartmentalized
- System Voltage: 440 V, Ambient Temp.: 50°C
- Outgoing -switching type: MCB+ Capacitor duty contactors, MPP/APP duty filled , Harmonic filters, Thyristor
- Integrate metering, Degree of protection(IP 54/55) as required

# Manufacturing Division - Control Panels



## Synchronous Panels:

### Features:

- **Capacity: As required**
- Construction Type: Modular /Fixed Type, Indoor & Outdoor
- System Voltage: 440 V, Ambient Temp.: 50°C
- Integrate metering, Degree of protection(IP 54/55) as required



## PLC Panel:

### Features:

- **IO Capacity: As required**
- **Remote IO: As required**
- Communication channel: RS 232, Mod bus TCP/IP, Ethernet, Wireless etc.
- System Voltage: 230 V, Ambient Temp.: 50°C/55°C
- Integrate metering, Annunciation, Degree of protection(IP 54/55) as required



## VFD Panel

Capacity : Upto 300 KW  
Operation : Single front/Double front  
Degree of protection IP : Upto 55

### Machine Automation

We have speciality for conversion from mechanical/DC system to VFD or servo system.

- Printing machine
- Stanter machine
- Airtex machine







## Turnkey Projects

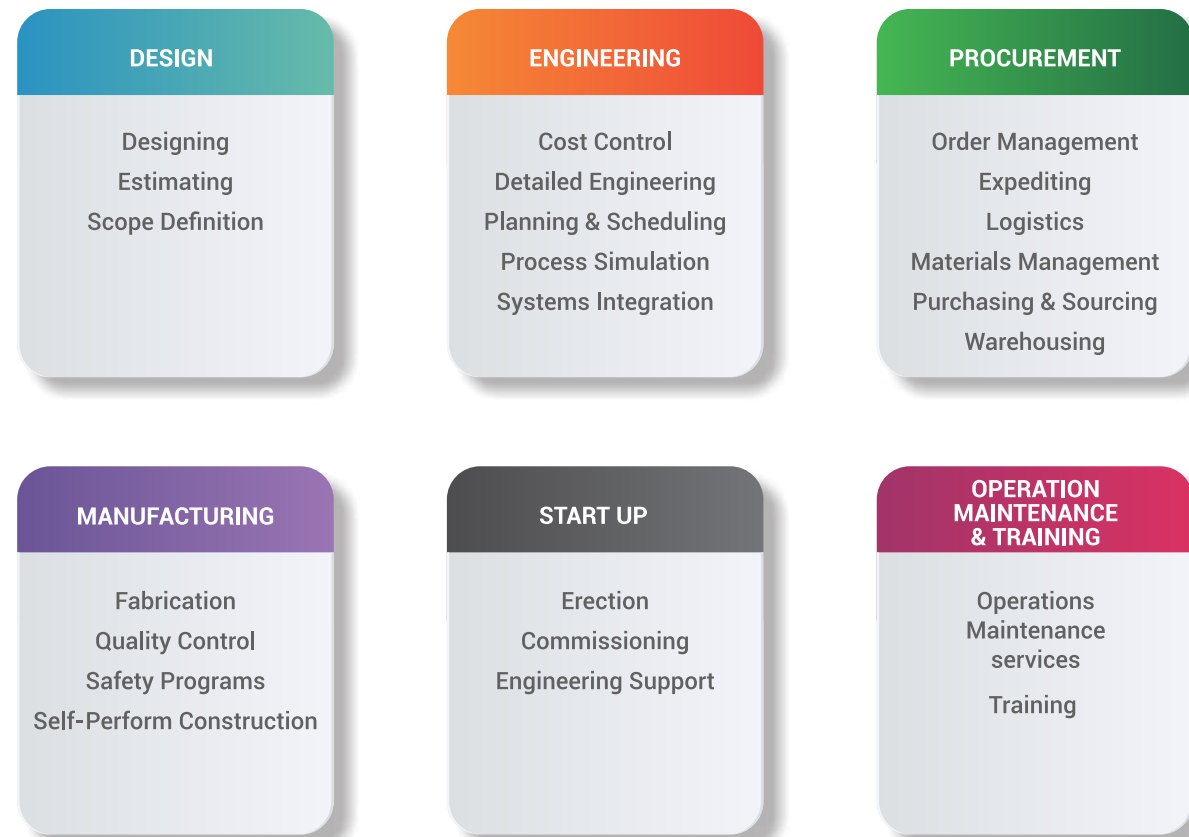
Vasu can step in at any phase of your project (Pre-bid /Bid revisions, new or existing facilities) — from the creation to the configuration and start up

Successful Integration of Design, Engineering, Procurement, Manufacturing, Start up, O&M and Training to deliver projects safely, on-time and within budget.

### Products Offer:

**Electrical:** Pole structures, HT panels, Transformers, LT panels, Electrical Cables (HT, LT), Internal/External Illumination, Earthing, Emergency power

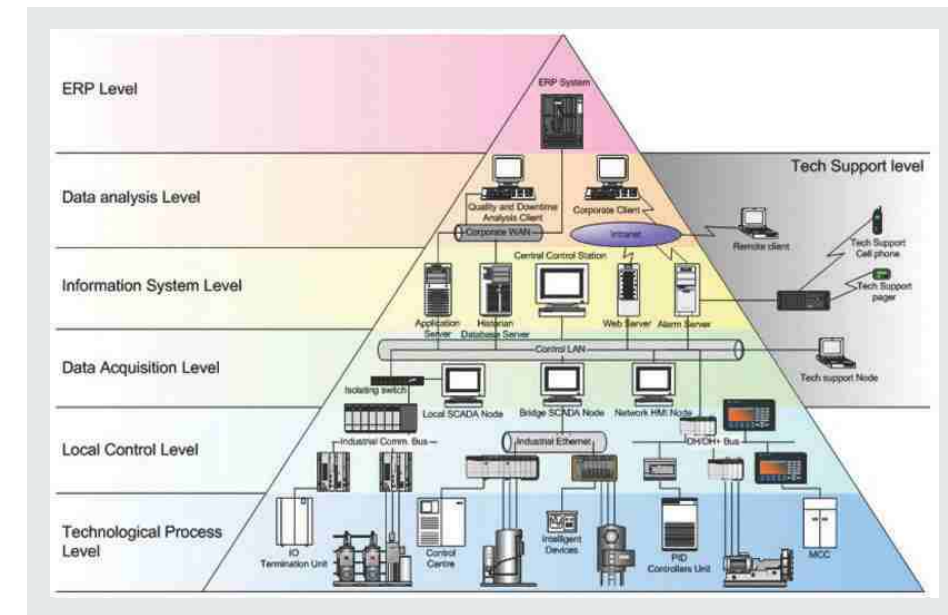
**Control & Instrumentation:** Complete range of Instruments, PLC with RIOs (as required), HMI, Scada, Drives/Servos, Cables



## Project Application

Vasu combines the strengths of an EPC firm with engineering capabilities to equip clients with an integrated project electrical, instrumentation and automation control solutions. The result is a proven, comprehensive approach that provides value to our clients. Incorporate a facility into the self-perform scope of services improves cost, schedule, and execution predictability and avoids process uncertainty.

**Segments we serve:** Textiles, solar & green energy, steel, water & waste water, power, paper & packaging, dyeing & printing, diamond, machine systems, process and manufacturing, chemical, oil & Gas, Pharmaceutical & Railway, Commercial buildings



### GREEN ENERGY | PROCESS | FACTORY | MACHINE



Substation



Power Transformer & Breaker



Control Device, SCADA & Drives



Field Instruments



## Trading

**Rockwell  
Automation**

Rockwell Automation, The world's largest company dedicated to industrial automation and information, makes its customers more productive and the world more sustainable. Throughout the world, our flagship Allen-Bradley® and Rockwell Software® product brands are recognized for innovation and excellence.

**Products:**

Advance Process Control, Condition Monitoring & I/O, Design & Operations Software, Distributed Control System, Drives, Drives System, Human Machine Interface, Industrial Control & Network Products, Manufacturing Execution System, Motion Control, Programmable Controllers, Safety Components, Safety Instrumented Systems, Training.

**Schneider  
Electric**

Pioneer World Leader Schneider Offer Compact, Stub bun And high effocient wide range of low, middle and high voltage Switchgear. Pioneer in Merline Product. Industrial Automation wider range with Solution.

**Product:**

ACB, MCCb's, Power Contactor, DBs-MCB's, PLC with Scada, Servo, VFD as well as Automation full Range.

**L&T SWITCHGEAR**  
SAFE & SURE

Pioneer leader L&T offers compact, stub bun and high efficient wide range of low and medium voltage switchgear, electrical systems, marine switchgear, industrial and building automation solutions, energy management systems and metering solutions.

**Products:** ACBs, C-link Change over switches, Contactors, Power quality products, HRC fuse link, Switch disconnector fuse, Final distribution products (MCCB, RCCB, RCBO, DBs),MPCB5, MCCBs Panel accessories (Analog Panel Meters, Cable Ducts, Digital Panel Meters, LED Indicators, Push Button Actuators & Stations, Rotary & Load Break Switches, Timers, Time Switches, Supply Monitors & Counters)



**L&T Electrical & Automation**

L&T Electrical & Automation offers a wide range of products, solutions and turnkey services for electricity distribution and control, across various sectors: Industries, Utilities, Buildings, Residences, Marine and Agriculture. We are ISP-Integrated solution provider for Pioneer leader L&T automation range products.

**Products:**

- Automation - PLC, RIO, Communication cards, Accessories, HMI
- VFD -variable frequency drive, servo drives, softstarters
- Bus duct, Building automation products

## Trading

**RR KÄBEL**

As one of the premier wire & cable companies in the world, RR Kabel are the pioneers of wire design, technology & applicability. RR kabel's technology & research have continually enhanced the efficiency, reliability & safe conduction of electricity.

**Products:**

Flexible control & power cables, Instrumentation cables, crane & drag chain cables, data & signal communication cables, building wires, auto cables, silicon cables, single core cables, fire resistance cables and application based cables



Elmex is a pioneer in the field of Electrical Wire Termination Technology in India. Products of elemex carry certification from Underwriters Laboratories Inc.-USA & Canada, UL International Demko A/S-Denmark, Intertek ETL SEMKO-Sweden, SGS Fimko Ltd.-Finland, Nemko AS Norway, Det Norske Veritas - Norway (for ATEX).

**Excel ELECTRONICS**

Excel Electronics is a Leading Company Engaged in Manufacturing Electronics Products

**Products:** Micro Computer Motor Protection Devices (With LCD Display / LED Display / Without Display)



Neptune is very respected name based in India, propagates its association in all aspects of Electrical Energy that includes Connecting Energy, Distributing Energy, Controlling Energy, Saving and Managing Energy.

**NEPTUNE-DUCATI**

Neptune - Ducati offers best energy efficient products for power factor control needs.

**Products:**

Capacitors - heavy duty, super heavy duty, APP type

**NEPTUNE-Bals**

Neptune-Bals offers range of compact and high efficient Plug sockets to cater all industrial needs.

**Products:**

Panel Mounting Socket Outlets, Surface Mounting Socket Outlets etc.

# Clients



# Awards & Certificates

