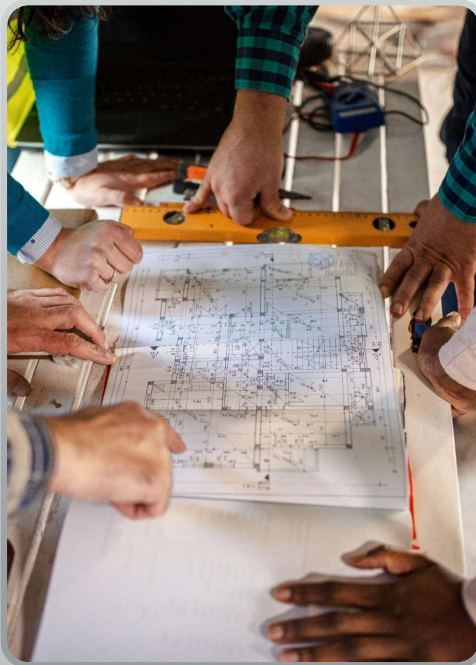


# Welcome to P & S Engineering



## **Innovative Engineering Solutions**

We offer basic & detailed engineering service for electrical discipline for oil & gas, chemical, Fertilizer, power & all other type of process industries.

## **Commitment to Quality**

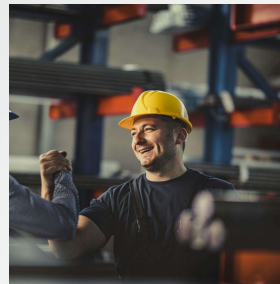
Our focus on quality ensures every project meets the highest industry standards and client expectations.

## **Customer-Centric Approach**

Customer satisfaction is at the heart of our philosophy, fostering lasting partnerships and tailored service.

425/426, Blue Diamond Commercial  
Complex, near Fatehgunj Petrol Pump,  
Fatehgunj, Vadodara, Gujarat - 390002

# Vision, Mission & Values



## Vision of Leadership

We strive to be a trusted leader in delivering high-quality electrical engineering solutions for process and power industries.



## Mission for Excellence

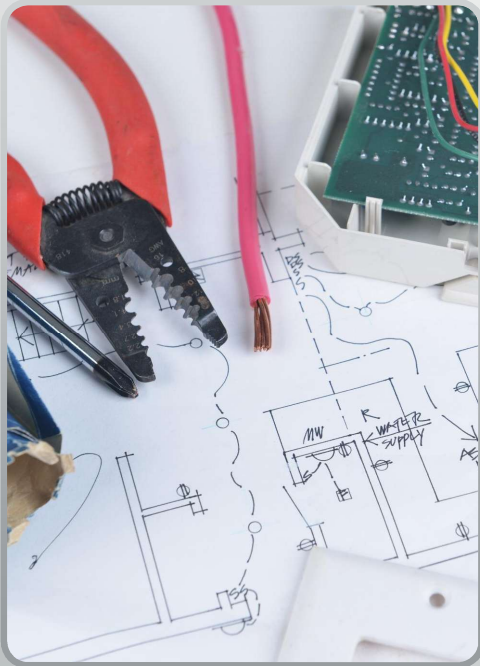
We focus on providing safe, reliable, and cost-effective services, always prioritizing client satisfaction and global compliance standards.



## Core Values Commitment

Our core values—quality, integrity, safety, commitment, and technical excellence—guide every aspect of our business.

# Driving Electrical Innovation



## Comprehensive Electrical Solutions

Since our establishment in 2021, we have remained committed to deliver high-quality, reliable, and efficient engineering solutions with a strong focus on customer satisfaction and technical excellence.

Our scope of services spans from conceptual design to FEED and Detailed Engineering, along with technical assistance for procurement.

## Expertise in Multiple Industries

We specialize in providing comprehensive Electrical Engineering services to a wide range of industries, including Oil & Gas, Refinery, Petrochemical, Chemical Process, and Power sectors.

## Customer-Focused Approach

We emphasize customer satisfaction by delivering dependable solutions on time and supporting clients from initial design to procurement assistance.

We support our clients with robust and customized electrical engineering solutions aligned with international standards and project-specific requirements.

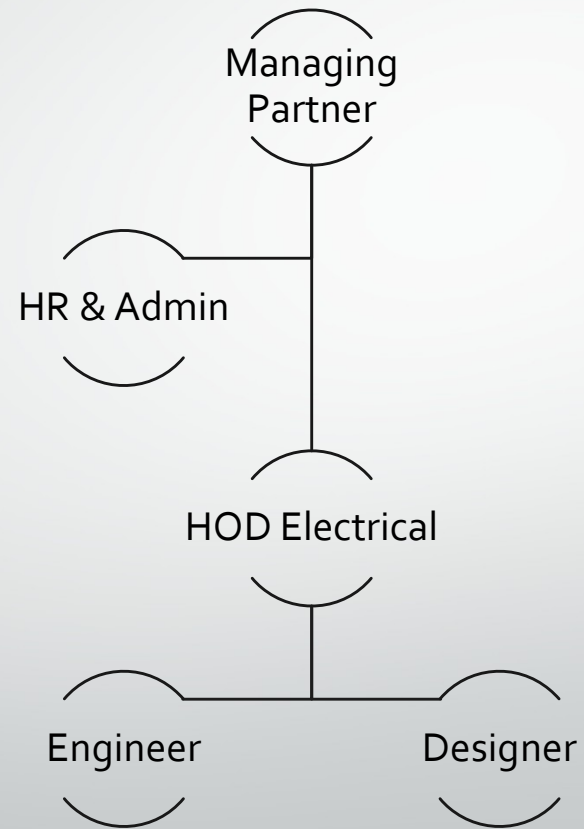
# Comprehensive Electrical Services

- **Electrical Design Basis**
- **Key Single Line Diagram**
- **Metering & Protection SLD for HT/LT Switchgear**
- **Equipment Sizing Calculation:**
  - Transformer sizing calculation – Power & Distribution transformers, generator transformer.
  - MV & LV cable sizing calculation
  - CT/PT sizing calculation
  - DG set sizing calculation
  - Battery & charger sizing calculation
  - UPS sizing calculation
  - Lightning protection calculation as per IEC – 62305
  - Illumination calculation – DIALux software
  - Earthing calculation
  - Capacitor bank sizing calculation
  - Bill of Material

# Comprehensive Electrical Services

- **Material requisition for electrical equipment, offer evaluation & vendor document review.**
- **Power System Study – ETAP Software**
  - Load flow study
  - Short circuit study
  - Motor starting study – static & dynamic
  - Harmonic analysis
  - Relay setting calculation & co-ordination study
  - Arc Flash study
- **Electrical Layout & Physical Design**
  - Cable raceway & conduit sizing & layout
  - Lighting Layout including raceway & conduit plan
  - Lightning Protection Layout
  - Earthing Layout
  - Electrical switchgear room & control room layout

# Organogram



# Our Team & Manpower Strength



- Senior Electrical Engineer with **15+ yrs.** Exp. – 2 person
- Junior electrical engineer with **2-5Yrs.** Exp. - 3 Person
- Electrical designer with **3-5Yrs.** Exp. – 3 Person.

# Meet Our Managing Partner



**Mr. Ronak Patwa**

**Qualification:**

B.E. Electrical  
From S.V.I.T, Vasad,  
Gujarat University - 2009

## Extensive Engineering Experience

- Over 16+ years of expertise in electrical system design for power plants, oil and gas facilities, chemical, and fertilizer plants.
- Proficient in electrical system design, equipment sizing calculations, power system studies, preparation of equipment specifications, data sheets, and material requisitions, as well as technical bid analysis and vendor data evaluation

## Previous Employers:

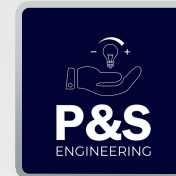
- ESSAR
- SNC-LAVALIN
- L&T - Sargent & Lundy

## Key Engineering Projects Overview



Projects	Client
DALMIA POLYPRO INDUSTRIES PVT. LTD., Nasik, Maharashtra	Libra Process Tech.
35 TPD Brown Field Expansion at Excel Nagda for NF/LF/SCF Project - Grasim Industries Limited	Vcare Engineering
150 TPD Lyocell project at Harihar , Karnataka - Grasim Industries Limited	Vcare Engineering
ALKYL AMINES CHEMICALS LIMITED, Pune, Maharashtra	Quanta Process Solution
GFCL-EV PRODUCTS LTD., Dahej, Gujarat	Quanta Process Solution
NO <sub>x</sub> ABSORPTION SYSTEM, Global Atomic Corporation, Niger, Africa	BVR Engineered System
EPSILON CARBON, Jharsuguda, Odisha	Quanta Process Solution
Glycol Ejector Project, Reliance, Barabanki	Libra Process Tech.
ETHYLENE PIPELINE PROJECT, SIPCHEM, Saudi Arabia	Quanta Process Solution

# Key Engineering Projects Overview



Projects	Client
T-8104 ADD ON FACILITY, ETHYLENE VAPORIZER SYSTEM, Finolex Industries, Maharashtra	Bankapur Engineers
ACRYLIC ACID (AA) & BUTYL ACRYLATE UNIT (BA), IOCL, Dumad, Gujarat	PCC (Package supplier)
ACN REVIVAL PROJECT, RELIANCE (IPCL), Vadodara, Gujarat	PCC (Package supplier)
West Qurna, Phase-2, Iraq	Technomak, UAE
ROMPETROL COGEN POWER PLANT (70 MW), Romania	Key Oil & Gas, Turkey
EARLY PRODUCTION FACILITY PLAN B NC 200, ERAWIN FIELD, Libya	Technomak, UAE
ZUBAIR MISHRIF DGS EXPANSION, ZUBER OIL FIELD, Iraq	Technomak, UAE
TATAOUINE GAS PROJECT BOTTLING UNIT	Abra Engineering, Turkey

# Impressive Project Milestones



## **Extensive Manhours Achieved**

Our team has surpassed 1,00,000+ total manhours, showcasing commitment, diligence, and expertise across all projects.

## **Successful Project Portfolio**

We have completed over 20 projects, demonstrating our ability to deliver results and meet diverse client needs. Currently completed Facility-1 & 2 for west Qurna phase-2 gas plant & working on facility-3. Scope of this project includes complete detailed engineering activities from scratch to end which includes 70MW power distribution network from 33KV up to 400V LV distribution.

## **Diverse and Global Clientele**

With clients in India and abroad, our services reflect a broad global reach and cultural versatility. We have more than 10 clients in India & three clients in abroad.

# OUR CLIENT



QUANTA PROCESS  
INDIA



LARSEN & TOUBRO  
TECHNOLOGY SERVICES  
INDIA



Libra Process  
Technologies PVT. LTD.



KEY OIL & GAS  
TURKEY



ABRA ENGINEERING  
TURKEY



Unistar-Universal  
Cable LTD.



BASELINE  
INDIA



HI-MAK PVT. LTD.



HITECH CONTROLS PVT. LTD.  
INDIA



TECHNOMAK ENERGY  
INTERNATIONL FZC, UAE



CHEMINOVA INDIA LTD.  
INTERMEDIATE DIVISION



Vcare ENGINEERING  
PVT. LTD.



**THANK YOU**