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# VPB Infra Tech Pvt. Ltd.

*Accelerating your growth*

ELV System | Fire Fighting | Plumbing  
Industrial Electrical Works | Solar  
ACDB (AC Distribution Board)  
HT VCB (Vacuum Circuit Breaker)

www.vpbinfra.com

## About Us

VPB Infra Tech is a leading Electrical, MEP, Engineering and Contracting company offering turnkey solutions.

Our commitment to innovation, excellence, and professionalism helps us deliver complex projects with the highest customer satisfaction.

## Mission

To enable growth for our customers by delivering effective and efficient solutions to their requirements from concept to completion.

## Vision

To provide creative and enduring solutions as a trusted partner allowing all our stakeholders to thrive.

## Associated Partner



**Engineers & Engineers**  
**(Electricals) Pvt. Ltd.**

With immense knowledge, expertise and experience of 39+ years, ENEEPL has been a leading electrical control panel manufacturer in Rajasthan, manufacturing all types of Electrical Control Panels, MCC Panels, PCC Panels, APFC Panels, and Bus Ducts etc. with modern engineering infrastructure and latest technology.



## Channel Partners



a global leader in electrical and digital building infrastructures. We offer a wide range of premium and commercial quality Legrand products to meet the diverse needs of our clients in Wiring Devices, Home Automation, Lighting Management & Cable Management Systems.



is a world-renowned global firm that helps the world to get much more out of less, delivering an extensive range of products and solutions across our Climate Solutions, Drives and Power Solutions business segments.

## SIEMENS

As a trusted Siemens Automation Channel Partner, we deliver cutting-edge automation solutions, expert technical support, and unparalleled customer service. Together, we drive innovation, efficiency, and success for our customers. Partnering for a smarter tomorrow.



We are authorised Franchisee partner, for the manufacture and sale of Low Voltage Switchgear & Control gear assemblies in Enersys design. These assemblies will conform to Enersys design and manufacturing guidelines which will include supplied components & switchgear products of Lauritz Knudsen Electrical & Automation.

Enersys design is a fully type-tested assembly in accordance with IEC 61439 – 1 & 2.



global pioneers for Hollow Metal Doors and is well known for its range of fire rated doors with well established global network of manufacturing and service centers catering to various customers' groups/ industry like Pharma, Warehousing, Educational Institutions, Hospitality, Healthcare, Manufacturing, Real estate amongst others.

# Our Services



## Electrical

Provide end-to-end solution in electrical works like Power Distribution systems (HT & LT Cabling), Cable Tray installations, Cable Terminations, Interior Lighting, Street Lighting, Facade Lighting, Earthing, Lighting Protection system etc.



Surface/Slab Conduiting



Fixtures Installation



Busduct Installation



DB Dressing



Lighting Installation



EV Chargers



Cabling Installation



Cable Terminations



Earthing



Lifts



Street Lighting



## Fire Fighting

Provide solutions in fire protection and detection solutions such as Fire Pumping, Hydrants, Wet Sprinklers, Water Curtains, Deluge Valve, Fire Alarm and Detection systems as per NBC 2016 Guidelines and global standards.



Hose Reel & Fire extinguisher



Fire extinguisher Installation



Fire hydrant Installation



Fire fighting design



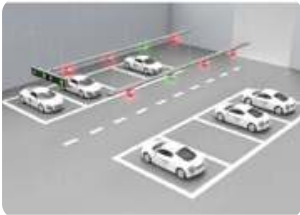
Pumproom Installation





## ELV System

Design and execute fully integrated and automated ELV systems for seamless and efficient building operations including Fire Detection & Alarm systems, Data & Structural Cabling, CCTV, Access control systems, Public Addressable systems and more.



Parking Management System



Audio Visual Solutions



Gate Barriers



Access Control



Public Address System



Video Surveillance



Sliding Glass Doors



Lighting Control System



## Plumbing

Professional plumbing services for installation, maintenance, and repair of plumbing systems, including pipes, fixtures, and appliances. Our services cater to a wide range of industries, residential and large-scale commercial projects.



Drainage Installation



Utility Piping Installation



Vitreous Installation



CP Installation



Drainage Installation



UPVC & CPVC Piping Installation





## SOLAR



## ACDB (AC Distribution Board)

In solar power systems, both ACDB (AC Distribution Board) and HT VCB (High Tension Vacuum Circuit Breaker) panels play critical roles in ensuring the efficient and safe distribution of electrical power. The ACDB is vital in solar power systems, managing AC power distribution from the inverter to circuits. Its key roles include:

1. **Protection:** Equipped with breakers and SPDs, it safeguards against faults like overcurrent and short circuits.
2. **Control:** It allows operators to manage and switch power distribution to various loads.
3. **Monitoring:** Modern ACDBs offer real-time tracking of power and system performance, ensuring efficiency and reliability.



### Key features:

An 800V AC Distribution Board (ACDB) typically has several key features designed for safe and efficient distribution of electrical power. Here are some common features:

- ▶ **Voltage Rating:** Supports up to 800V AC for safe handling of high loads.
- ▶ **Circuit Protection:** Equipped with MCCBs/ACBs for overload and short-circuit protection.
- ▶ **Isolation:** ACB/MCCB ensure safe disconnection for maintenance or emergencies.
- ▶ **Busbar System:** Efficient current distribution using aluminum busbars.
- ▶ **Metering:** Devices for monitoring voltage, current, and power.
- ▶ **Enclosure:** Weatherproof and insulated for safety.
- ▶ **Safety:** Proper earthing to prevent hazards.
- ▶ **Labeling:** Clear circuit/component identification.
- ▶ **Customizable:** Designed for specific applications.
- ▶ **Compliance:** Meets IEC and local electrical standards. These features ensure reliable and safe power distribution.



## HT VCB (Vacuum Circuit Breaker)

HT VCB panels play a crucial role in solar power systems, especially in high voltage applications like grid connectivity and large solar farms. Here's why they matter:

1. **High Voltage Control:** Manage voltages between 11kV-33kV for safe power transmission.
2. **Vacuum Interruption:** Use vacuum breakers to protect circuits, ensuring safety.
3. **Grid Connectivity:** Facilitate smooth power transmission to the grid by matching voltage and frequency.
4. **Equipment Protection:** Safeguard key equipment like transformers and inverters, extending their lifespan.



### Key features:

HT VCB Panels are designed for safe and efficient control of high-voltage systems. Key features include:

- ▶ **High Voltage Capacity:** Supports up to 33kV.
- ▶ **Vacuum Circuit Breaker:** Reliable arc extinguishing with low maintenance.
- ▶ **Protection:** Guards against overloads and short circuits.
- ▶ **Control & Monitoring:** Includes meters, indicators, and remote monitoring.
- ▶ **Isolation:** Ensures safe circuit maintenance.
- ▶ **Durable Enclosure:** Weatherproof and protective.
- ▶ **High-Quality Insulation:** Prevents electrical leakage.
- ▶ **Safety Interlocking:** Avoids unsafe operations.
- ▶ **Efficient Busbar System:** Uses copper/aluminum for power distribution.
- ▶ **Modular Design:** Easy configuration and maintenance. This design ensures reliable high-voltage power distribution and protection.

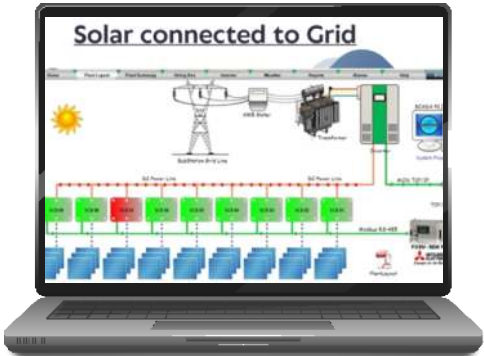
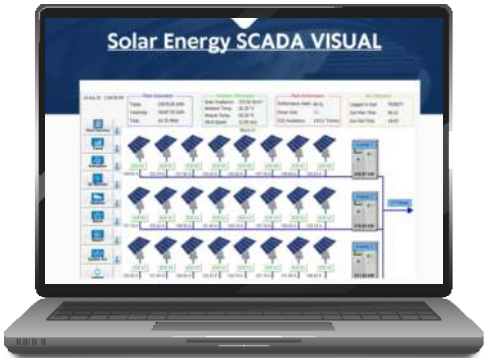


# SCADA Solutions for Seamless Solar Energy Management:

At VPB Infratech Pvt. Ltd, we not only provide high-quality Solar ACDB and HT VCB panels but also offer cutting-edge SCADA (Supervisory Control and Data Acquisition) systems for enhanced monitoring and control. Our SCADA solutions empower you to manage and optimize your solar installations with real-time data, improving efficiency and ensuring reliability.

## Why Choose Our SCADA Systems?

- Real-Time Monitoring:** Track and manage the performance of your solar energy systems in real-time.
- Data-Driven Insights:** Utilize detailed analytics to improve performance, troubleshoot issues, and maximize energy output.
- Seamless Integration:** Easily integrates with existing solar infrastructure for a comprehensive energy management solution.
- Remote Access:** Monitor your systems from anywhere, offering convenience and immediate response capabilities.Our SCADA solutions ensure that your solar power systems are not only reliable but also optimized for peak performance. Let us help you achieve operational excellence with our complete solar energy and monitoring solutions.



# Solar Installation

Provides complete services from concept to commissioning, including, land acquisition, government liaising support, government approvals, compliances, feasibility reports, electrical, civil works and O&M, etc. for commercial, utility-scale and off-grid projects.



On Grid



On Shed



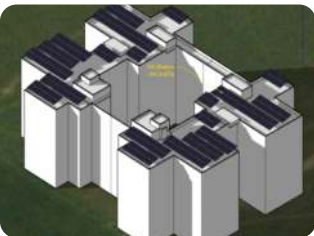
Offgrid Solar



Walkway



Hybrid Solar Plant



PV Syst Analysis



3D Modelling



HDGI Structure



Roof Top Solar



# Our Valuable Clients

## Few Of Our Current Projects



## Cement & Process Industries



## Hospitals



## Hotels & Real Estate



## Engineering & Other Industries



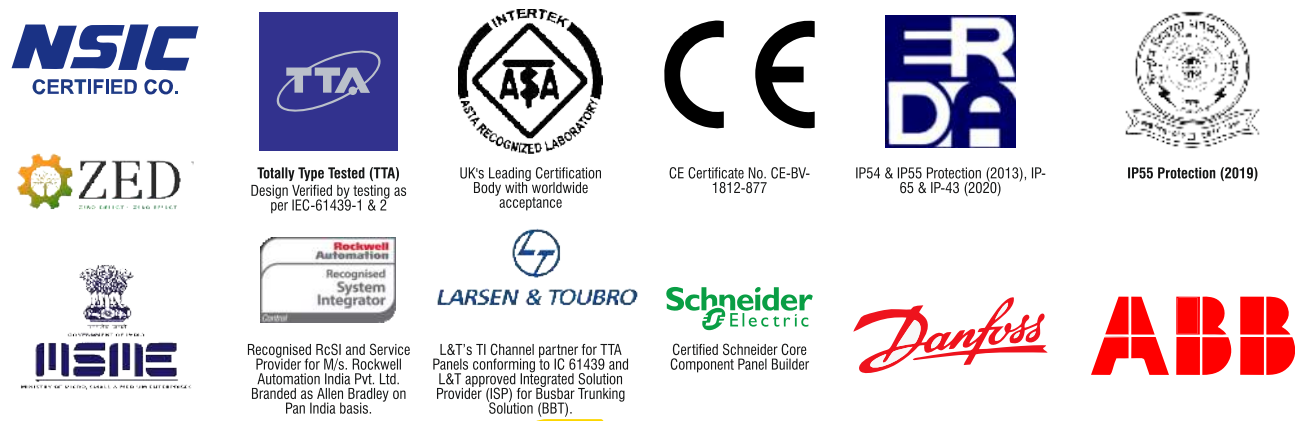
## Government Organizations



## Approved Panel Builders for



## Esteemed Associations / Accreditations



## Contact Us

P: +91-9571065555  
E: info@vpbinfra.com  
Road No. 4, H-138, Hans Vihar,  
RIICO Industrial Area,  
Mansarovar, Jaipur, Rajasthan 302020

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