



# BHAWANI ELECTRICAL ENGINEERING WORKS

Bhawani Electrical Engineering Works specializes in industrial panel manufacturing and turnkey installations. We deliver precision-engineered power solutions and comprehensive electrical infrastructure, ensuring safety, operational reliability, and technical excellence across all industries.



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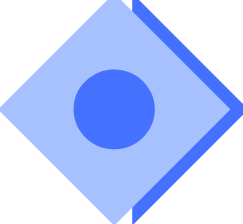
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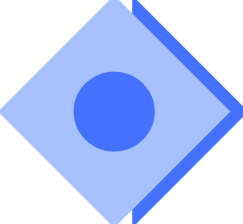


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# 1. Company Overviews

 Bhawani Electrical Engineering Works is a trusted and professionally managed organization specializing in the design, manufacturing, installation, and maintenance of a wide range of electrical and automation systems. With a strong focus on quality, safety, and innovation, the company delivers reliable solutions tailored to industrial and commercial requirements.

 Bhawani Electrical Engineering Works manufactures all types of Low Tension (LT) and High Tension (HT) electrical panels, designed as per industry standards and client specifications. Each panel is engineered with precision to ensure safety, durability, and optimal performance.



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## 2. OUR CORE SERVICES

At Bhawani Electrical Engineering Works, we provide complete end-to-end electrical and automation solutions for industries. Our core services include:

Electrical Panel Manufacturing

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04

Troubleshooting & Maintenance

PLC Programming Services

02

OUR CORE SERVICES

05

Complete Plant Installation

Industrial Automation Solutions

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Electrical Panel Installation



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# 1. Electrical Panel Manufacturing

We manufacture all types of LT & HT electrical panels, including:

- PCC Panels (Power Control Center)
- MCC Panels (Motor Control Center)
- APFC Panels (Automatic Power Factor Control)
- PDB Panels (Power Distribution Board)
- AMF Panels (Automatic Mains Failure)
- DG Synchronization Panels
- Automation Panels
- ELDP Panels
- PLC Control Panels



# BHAWANI ELECTRICAL ENGINEERING WORKS

All Types of Electrical Panels – Manufacturing | Installation | Testing | Commissioning | Maintenance



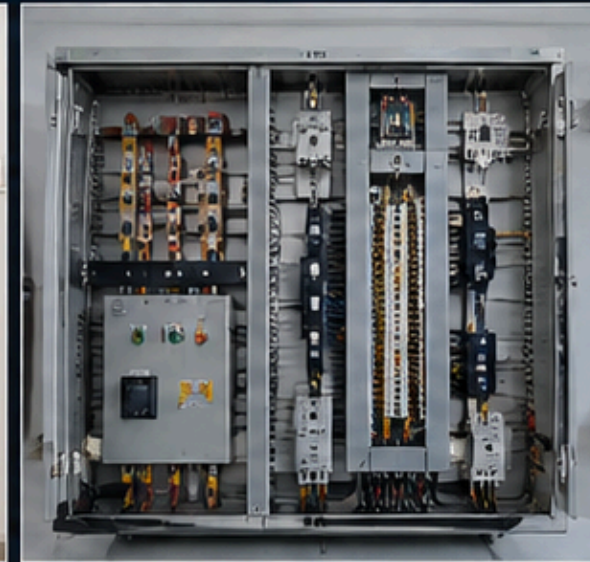
PCC PANEL



MCC PANEL



APFC PANEL



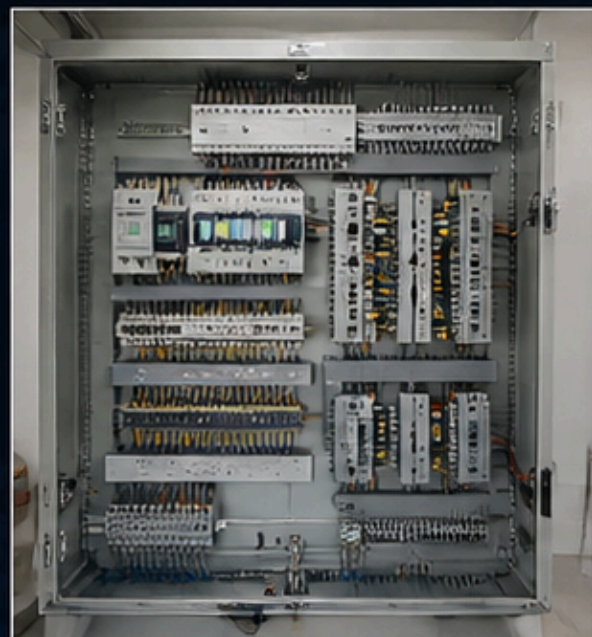
PDB PANEL



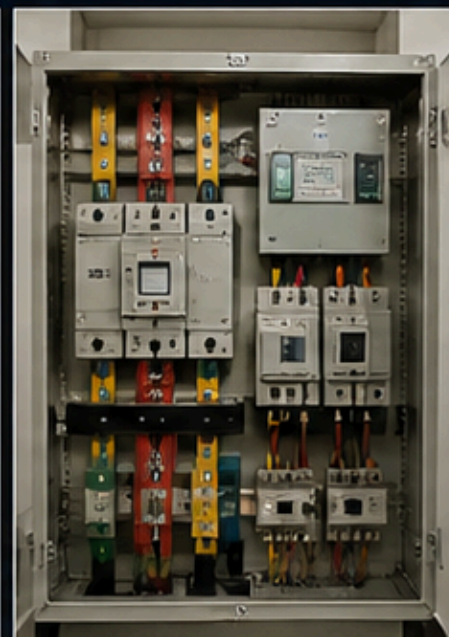
AMF PANEL



DG SYNCHRONIZATION PANEL



AUTOMATION PANEL



ELDP PANEL



HT PANEL



PLC PANEL



VFD PANEL



SCADA / HMI PANEL

✓ HIGH QUALITY

✓ RELIABLE SOLUTIONS

✓ CUSTOMIZED PANELS

✓ AFTER SALES SUPPORT



# PCC (Power Control Center) Panels

We manufacture PCC panels used for controlling and distributing electrical power from the main source to various loads.

Our services include:

- Custom design and fabrication of PCC panels
- Installation at site with proper cable termination
- Testing and commissioning
- Maintenance and troubleshooting for smooth operation



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# MCC (Motor Control Center) Panels

We provide complete solutions for MCC panels used to control multiple motors.

Our work includes:

- Manufacturing MCC panels with high-quality components
- Installation and integration with motors and machinery
- Motor protection system setup
- Troubleshooting and maintenance services



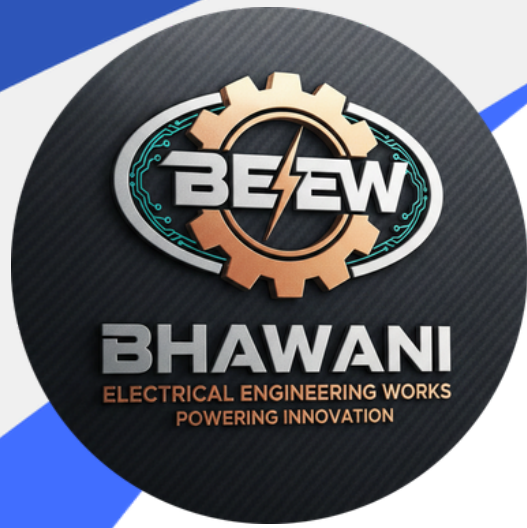
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# APFC (Automatic Power Factor Control) Panels

We design and manufacture APFC panels to maintain power factor and reduce electricity costs.

Our services include:

- Manufacturing of APFC panels with automatic capacitor control
- Installation and calibration at site
- Power factor optimization
- Maintenance and fault diagnosis



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# PDB (Power Distribution Board)

We manufacture and install PDB panels for efficient power distribution.  
Scope of work:

- Panel manufacturing as per load requirements
- Installation and wiring
- Load balancing and safety checks
- Troubleshooting and servicing



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# AMF (Automatic Mains Failure) Panels

We provide AMF panels to ensure automatic power switching between mains and generator.

Our services:

- Manufacturing AMF panels
- DG set integration
- Installation and testing
- Maintenance and repair



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# DG Synchronization Panels

We design and manufacture panels for synchronizing multiple DG sets.  
Our work includes:

- Panel design and manufacturing
- Load sharing configuration
- Installation and commissioning
- Troubleshooting synchronization issues



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# Automation Panels

We manufacture customized automation panels for various industrial applications.

Services include:

- Panel design based on process requirements
- Manufacturing with PLC/VFD integration
- Installation and commissioning
- System troubleshooting and upgrades



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# ELDP (Electrical Load Distribution Panels)

We provide ELDP panels for proper electrical load distribution.  
Our work includes:

- Panel manufacturing
- Site installation
- Load management setup
- Maintenance and troubleshooting



**ELDP Panel**



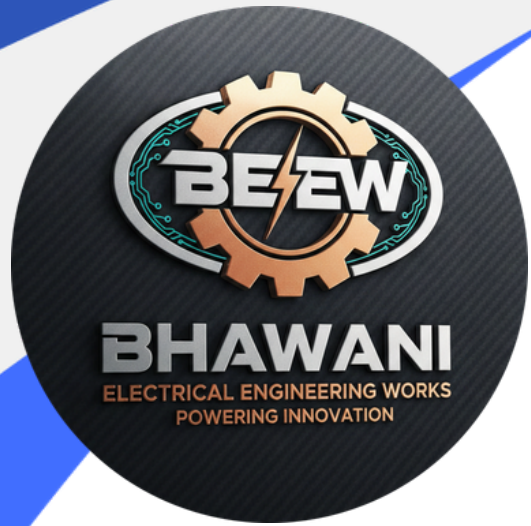
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# PLC Panels

We provide advanced PLC panels for industrial automation.  
Our scope:

- PLC panel manufacturing
- Wiring and integration with machines
- Installation and commissioning
- Troubleshooting and system upgrades



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## 2. PLC Programming Services

Bhawani Electrical Engineering Works provides professional PLC programming services for automation of industrial processes. Our work includes:

- Custom PLC programming
- Machine automation
- Program modification & upgrades
- Fault diagnosis and troubleshooting



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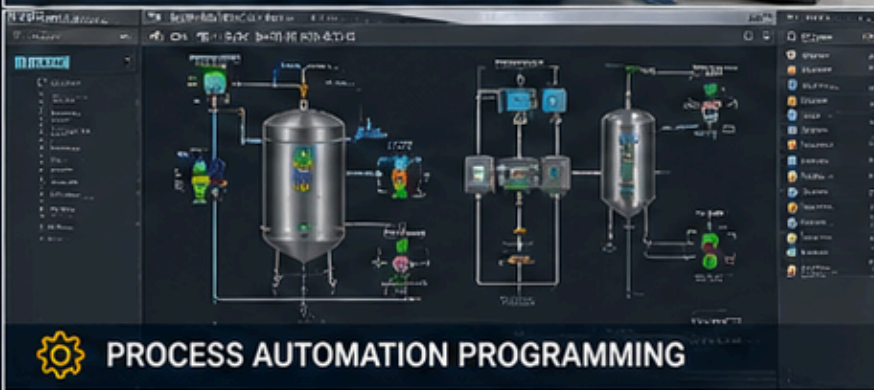
# BHAWANI ELECTRICAL ENGINEERING WORKS

## PLC PROGRAMMING SERVICES

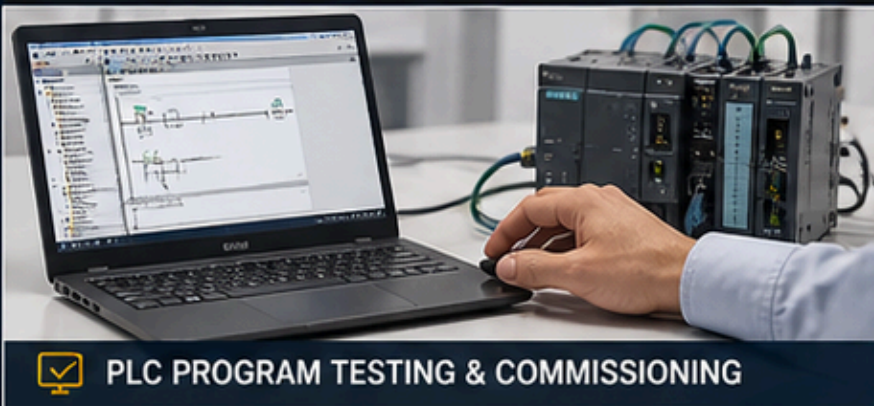
Smart Programming | Reliable Automation | Efficient Solutions



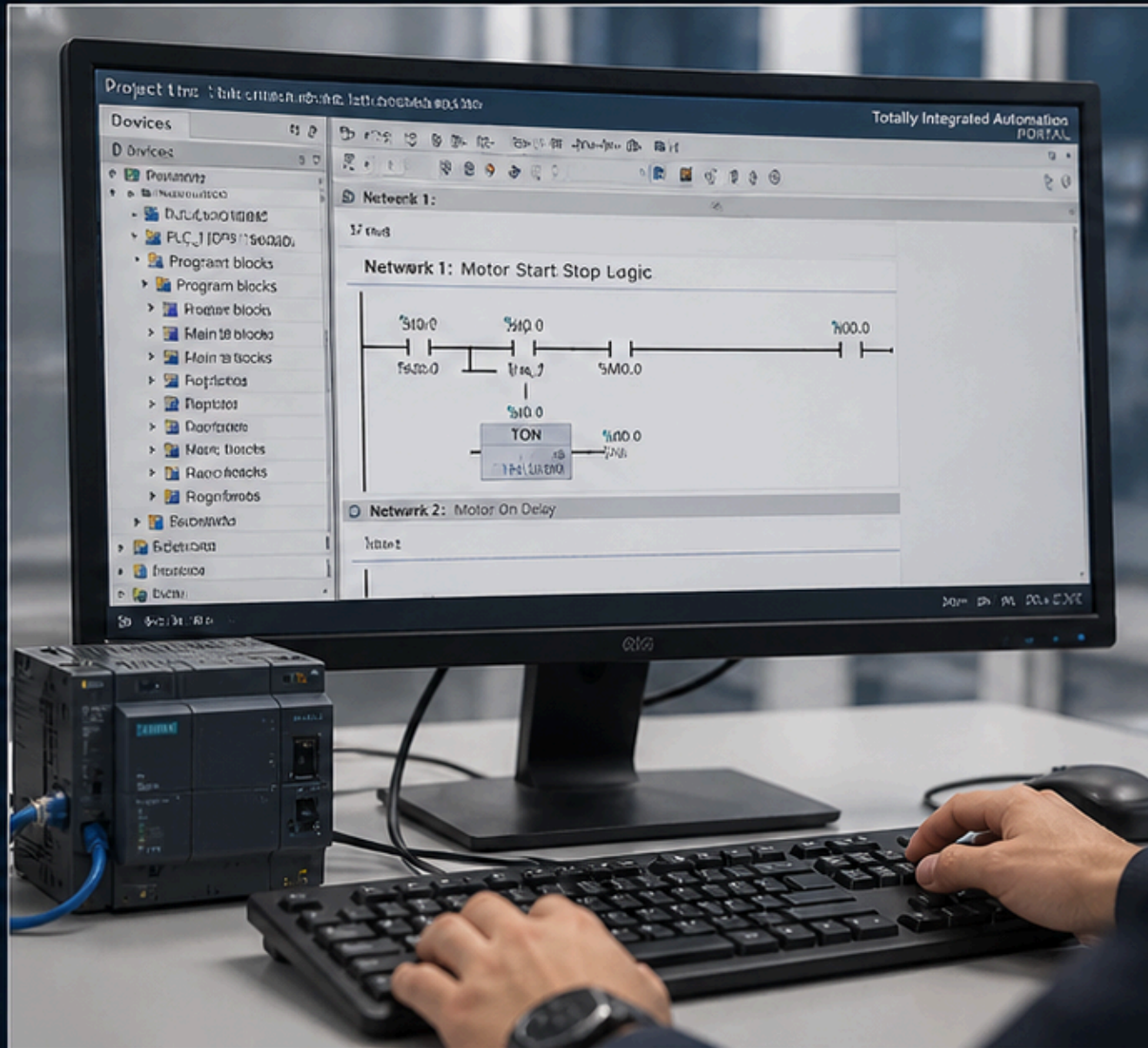
PLC PROGRAM DEVELOPMENT



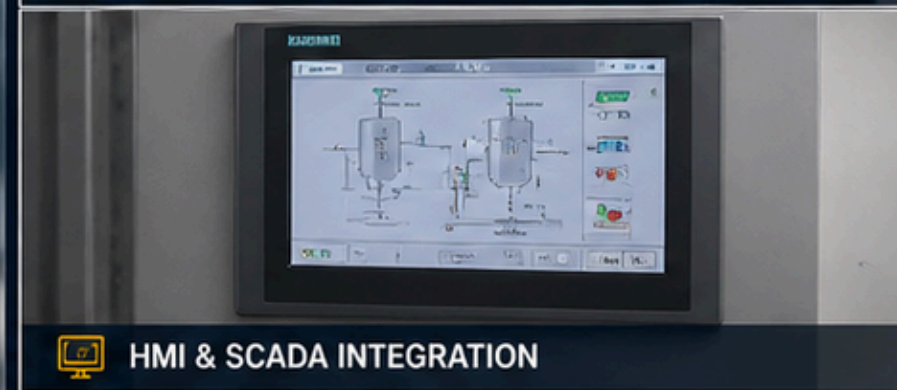
PROCESS AUTOMATION PROGRAMMING



PLC PROGRAM TESTING & COMMISSIONING



PLC LOGIC DESIGN & CONFIGURATION



HMI & SCADA INTEGRATION



SYSTEM OPTIMIZATION & UPGRADES

Custom PLC Programming

Machine Automation

Program Modification & Upgrades

PLC Fault Diagnosis & Troubleshooting

On-site Support & Commissioning

Reliable & Efficient Solutions



## 3. Industrial Automation Solutions

**Complete automation services with:**

- VFD (Variable Frequency Drive)
- SCADA Systems
- HMI (Human Machine Interface)
- Industrial Drives Installation & Configuration



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## 4. Electrical Panel Installation

We offer expert installation services for all types of panels:

- Panel mounting and setup
- Cable laying and termination
- Earthing and safety compliance
- Testing and commissioning



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## OUR INSTALLATION SERVICES

-  Site Survey & Planning
-  Panel Positioning & Mounting
-  Cable Laying & Termination
-  Earthing & Safety Compliance
-  Testing & Commissioning
-  System Integration
-  Documentation & Handover
-  After Installation Support

## ALL TYPES OF ELECTRICAL PANELS INSTALLATION



PCC PANEL INSTALLATION



MCC PANEL INSTALLATION



APFC PANEL INSTALLATION



AMF PANEL INSTALLATION



PDB PANEL INSTALLATION



DG SYNCHRONIZATION  
PANEL INSTALLATION



AUTOMATION PANEL  
INSTALLATION



ELDP PANEL INSTALLATION



HT PANEL INSTALLATION








PLC PANEL INSTALLATION

## OUR INSTALLATION PROCESS





## WHY CHOOSE US?

-  Experienced & Skilled Technicians
-  Standard Compliance & Safety
-  Quality Installation
-  Timely Project Completion
-  Reliable After-Sales Support


 SAFE INSTALLATION  
STRONGER PERFORMANCE

 EXPERT TEAM  
PROVEN EXPERIENCE

 QUALITY MATERIALS  
& WORKMANSHIP

 ON-TIME DELIVERY  
EVERY TIME

 CUSTOMER SATISFACTION  
OUR PRIORITY

 LET'S POWER YOUR PROJECT  
Contact Bhawani Electrical Engineering Works Today!



## 5. Troubleshooting & Maintenance

We provide expert fault finding and troubleshooting services for all electrical panels and automation systems. Our services include:

- Fault finding and diagnosis
- Panel and automation system repair
- Preventive maintenance
- Emergency breakdown support





## 6. Complete Plant Installation

We handle full industrial plant electrical and automation setup:

- Electrical system design
- Panel installation and wiring
- PLC, SCADA, HMI integration
- Testing, commissioning & handover



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# HT (High Tension) Panels

We manufacture and install HT panels for high-voltage applications.  
Our services include:

- Design and manufacturing as per safety standards
- Installation with proper insulation and protection
- Testing and commissioning
- Maintenance and fault handling



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## Industrial Automation Solutions (VFD, SCADA, HMI, Drives)

We offer complete automation solutions with supply, installation, and support.

### VFD (Variable Frequency Drive)

- Supply and installation of VFDs
- Motor speed control setup
- Energy-saving optimization
- Troubleshooting and repair



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**VFD PANELS**



**VARIABLE FREQUENCY DRIVE PANELS**

- ✓ Precise Motor Speed Control
- ✓ Energy Saving & Efficiency
- ✓ Soft Start / Stop
- ✓ Overload & Short Circuit Protection
- ✓ Custom Built as per Process Requirement



**SCADA PANELS**

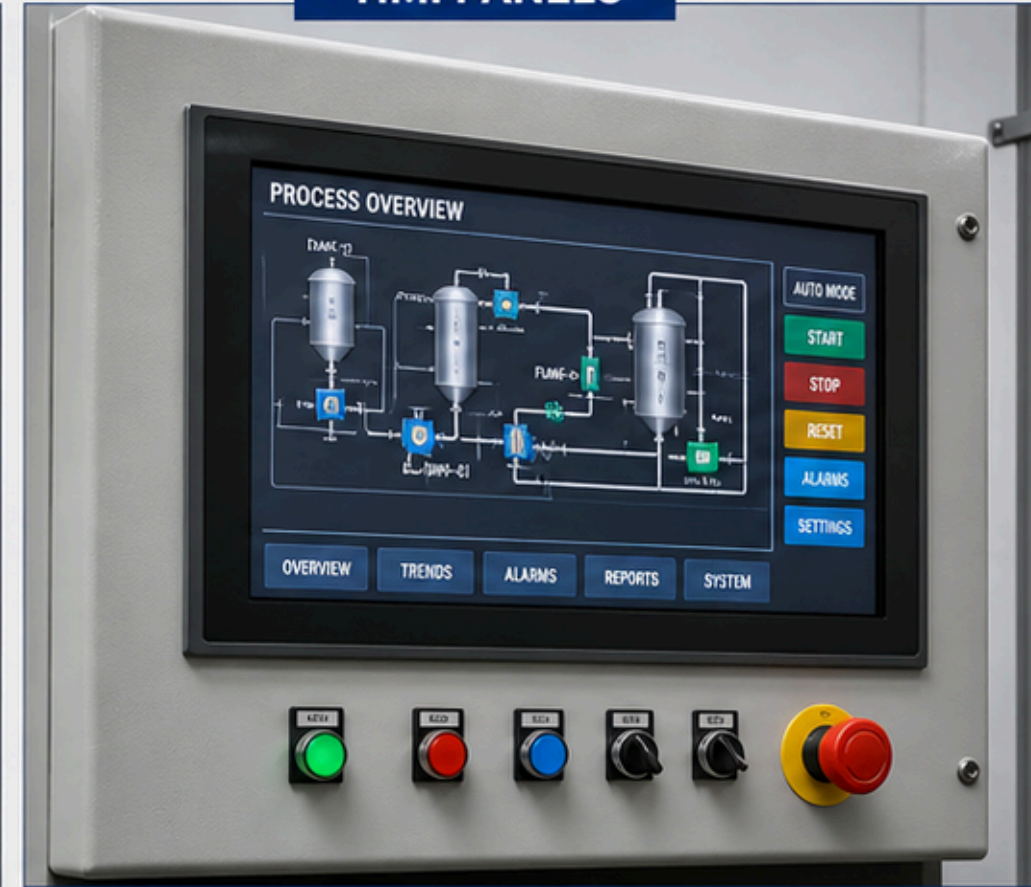


**SUPERVISORY CONTROL & DATA ACQUISITION**



- ✓ Real Time Monitoring & Control
- ✓ Data Acquisition & Logging
- ✓ Alarm Management
- ✓ Trend Analysis & Reporting
- ✓ Remote Access & Connectivity

**HMI PANELS**



**HUMAN MACHINE INTERFACE**



- ✓ User Friendly Interface
- ✓ Real Time Process Visualization
- ✓ Easy Operation & Control
- ✓ Multi Level Security
- ✓ Custom Graphics & Animation



# SCADA Systems

- SCADA system design and development
- Real-time monitoring system setup
- Installation and configuration
- Maintenance and troubleshooting



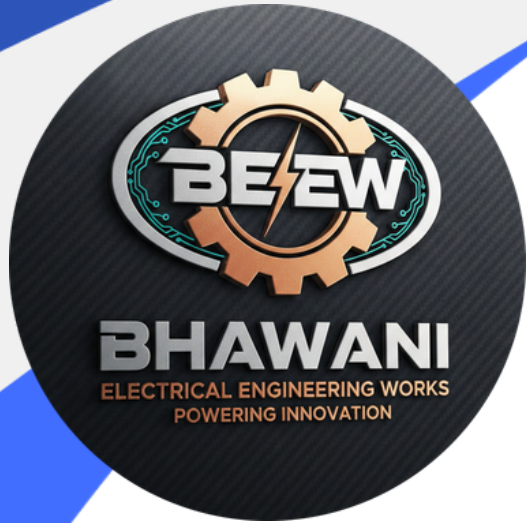
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# HMI (Human Machine Interface)

- HMI design and programming
- Operator interface development
- Installation and integration
- Troubleshooting and upgrades



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# Industrial Drives

- Installation of all types of drives
- Configuration and tuning
- Performance optimization
- Repair and maintenance



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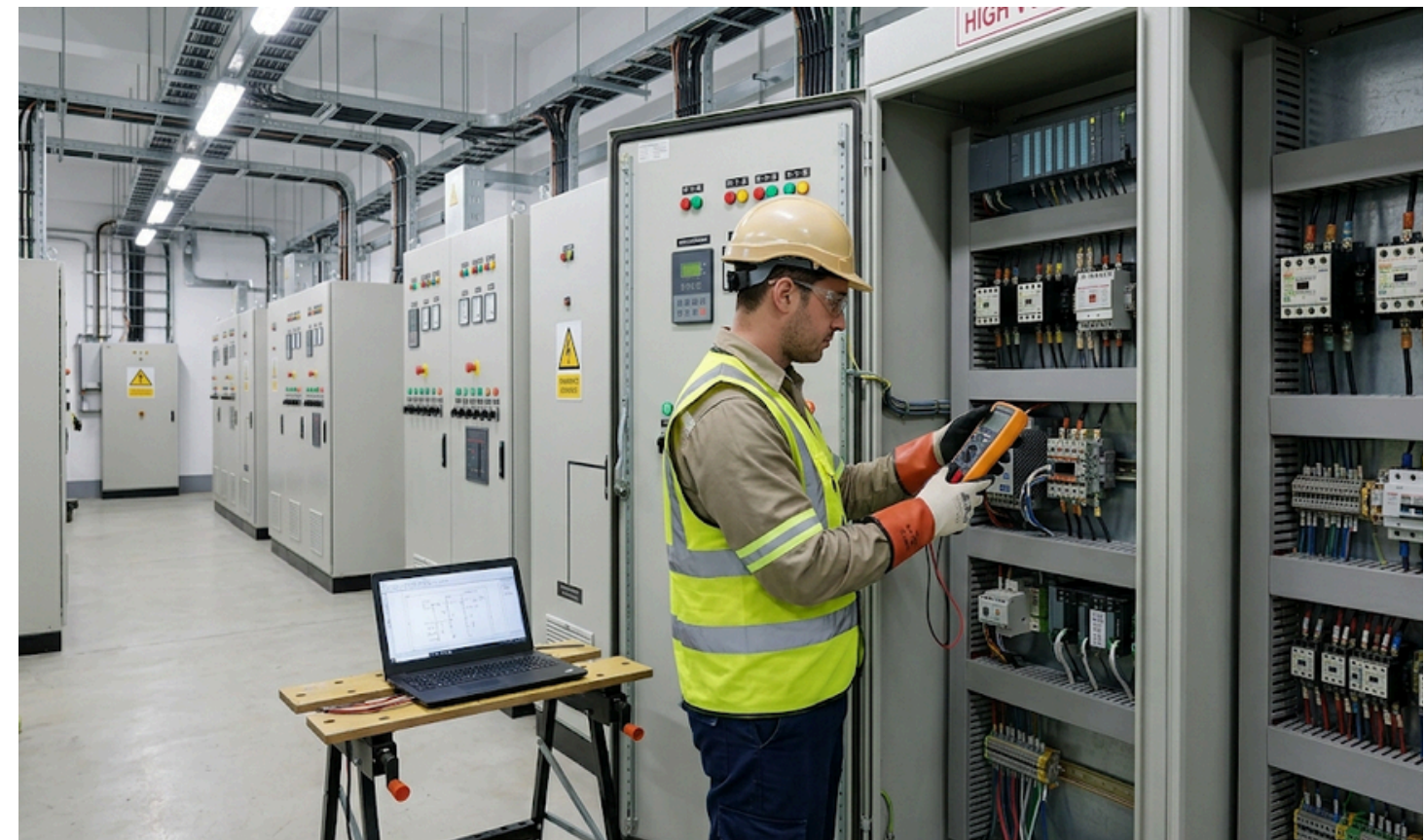


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# Why Choose Bhawani Electrical Engineering Works

- Complete end-to-end solutions (Manufacturing to Maintenance)
- Skilled and experienced technical team
- High-quality components and standards
- On-time project completion
- Strong after-sales support



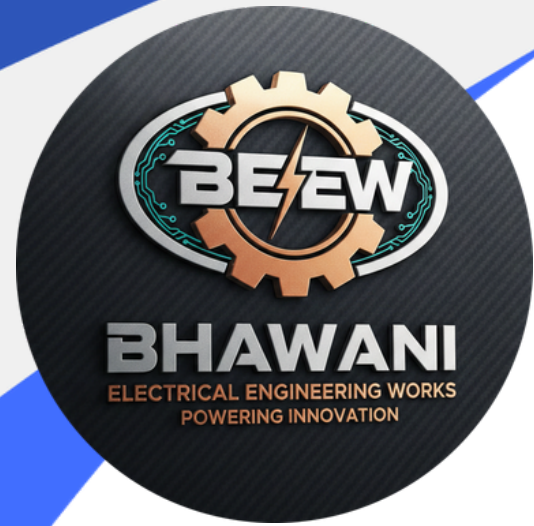
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# Contact Us

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# Technical Specifications



Panels are designed as per IS/IEC standards using quality components, proper busbar design, and safe wiring. Strong construction, insulation, and ventilation ensure durability, reliability, and efficient performance in all industrial conditions.



Panels support required LT/HT voltage and current ratings with protections like overload, short circuit, earth fault, and surge protection. This ensures system safety, equipment protection, and reliable operation with reduced downtime.



Panels include PLC, VFD, SCADA, and HMI integration for real-time monitoring and control. These systems improve efficiency, reduce manual work, and provide accurate, reliable automation for smooth industrial operations.



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# THANK YOU

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