

TRAINING ON CONTROL PANELS

- Engineer Mastery in Control Systems



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ABOUT US

Welcome to Pertecnica, your gateway to skill elevation! We specialize in providing targeted training for employees, equipping them with the tools to excel in their roles. Our expert-led programs ensure a seamless blend of theory and practical application, fostering continuous growth. At Pertecnica, we don't just train; we empower professionals for success in today's fast-paced work landscape.



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SPECIALIZED TRAINING PROGRAMS

- for control panels

Pertecnica's training initiatives cover a diverse range of pivotal topics, including control panel design principles, wiring techniques, troubleshooting methods, safety protocols, and advancements in control panel technology. Emphasizing efficiency, reliability, and adherence to industry standards, Pertecnica Engineering ensures that participants gain a deep understanding of control panels, empowering them to oversee, maintain, and optimize these critical systems across various industrial applications in India with precision and efficacy.

Employee Trainings on control panels

Electrical Control Panel Assembly Training:

This program covers the assembly and wiring of electrical control panels. Participants learn about panel layout, component selection, wiring techniques, and electrical schematics interpretation.



Control Panel Design and Layout Training:
Focuses on the principles of control panel design, including electrical drawings, component placement, safety considerations, and compliance with industry standards and regulations.



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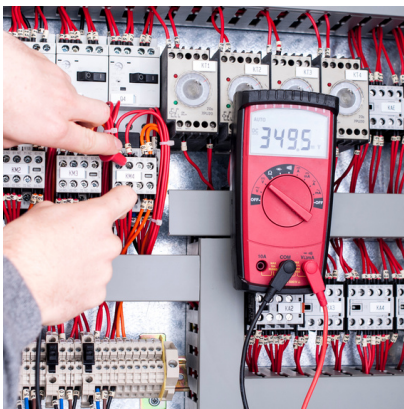
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PLC Programming & Integration Training:
Training on programming PLCs, HMI (Human-Machine Interface), and the integration of control systems with electrical control panels.



Electrical Control Panel Safety and Compliance Training:
Emphasizes safety practices, hazard identification, and compliance with electrical and control panel safety regulations and standards.

Control Panel Component Selection and Sourcing:
Covers the selection and sourcing of control panel components, including circuit breakers, relays, contactors, switches, and meters, based on application requirements.



Control Panel Testing and Quality Control:
Training on testing procedures and quality control measures for ensuring the functionality and reliability of electrical control panels.



Control Panel Networking and Communication Protocols:

Explores communication protocols used for networked control panels, including Ethernet, Modbus, Profibus, and industrial networking principles.



Motor Control Centers (MCC) and Variable Frequency Drives (VFD) Training:

Specific to MCCs and VFDs, this program covers their operation, control, integration, and maintenance within electrical control panels.



Electrical Control Panel Maintenance and Troubleshooting:

Covers maintenance practices, preventive maintenance scheduling, and troubleshooting techniques to ensure reliable performance of control panels.



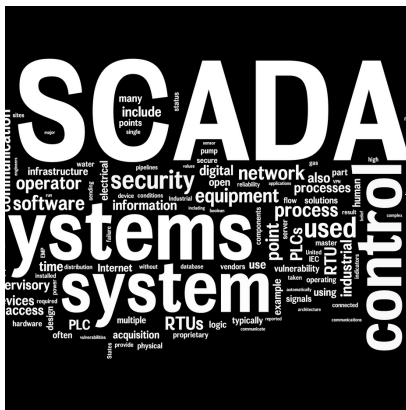
Control Panel Retrofitting & Modernization:

Addresses the retrofitting and modernization of existing control panels with new components, automation technologies, and control system upgrades.



Electrical Control Panel Environmental Compliance:

Addresses environmental regulations and best practices related to control panel operation, including energy efficiency and waste reduction.



Control Panel Remote Monitoring and SCADA systems:

Training on remote monitoring systems, SCADA integration, and data communication for real-time control and monitoring of electrical control panels.

Why Choose Pertecnica Engineering?

- **Expertise & Relevant Experience:** We have in-depth expertise in the specific subject matter and relevant industry experience. This ensures that the training is not only theoretically sound but also practically applicable to real-world scenarios in the company's specific field.
- **Customization and Relevance of Content:** Our tailored programs that align with the company's objectives, culture, and the specific skill gaps of the employees are highly valued.
- **Measurable Outcomes and ROI:** Our training will lead to tangible improvements in employee performance and productivity, thereby offering a strong return on investment (ROI).
- **Flexibility & Innovative Delivery Methods:** Flexibility in terms of scheduling, format (in-person, online, hybrid), and adaptability to different learning styles. We offer innovative and engaging training methods that keep employees motivated and facilitate effective learning.

