

TRAINING ON EMERGENCY ELECTRICAL SUPPLIES

(Battery, Inverter. Etc)

- Advancing Skills in Emergency Electrical
Engineering



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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 Emergency electrical supplies

Pertecnica Engineering stands as a pioneer in employee training, providing unparalleled specialized modules focused on mastering the dynamics of batteries and inverters. ur training imparts practical insights into battery management, including maintenance practices, lifespan optimization, safety protocols, and efficient utilization of inverters for seamless power supply. Through hands-on learning and theoretical expertise, our programs equip participants with the skills needed to diagnose issues, enhance system performance, and implement sustainable solutions.

Employee Trainings on Emergency electrical supplies

UPS & Battery-Safety & Regulatory Compliance:

Emphasizes safety practices when working with UPS, inverters, batteries, and energy storage systems, including hazard identification and compliance with industry standards.



UPS and Inverter Efficiency and Energy Optimization:

Addresses strategies to optimize UPS and inverter performance, improve energy efficiency, and reduce operating costs.



Renewable Energy Integration and Hybrid Systems:

Training on integrating UPS, inverters, batteries, and energy storage with renewable energy sources such as solar and wind.



Environmental Compliance and Battery Recycling:

Addresses environmental regulations and best practices related to battery disposal, recycling, and hazardous materials handling.

UPS System Design and Engineering Training:

Covers the principles of UPS system design, including topology selection, load sizing, component selection, redundancy, and safety considerations.



UPS and Inverter Assembly and Installation Training:

Covers the assembly, installation, and wiring of UPS systems, inverters, and related components, including batteries and power distribution.



Battery Technology & Selection Training:
Provides an understanding of battery types (e.g., lead-acid, lithium-ion), battery chemistry, sizing, maintenance, and safety practices.



UPS & Inverter-Operation & Control Training:

Focused on UPS and inverter operation, this training program covers system controls, load management, startup and shutdown procedures, and safety protocols.



Battery Maintenance and Testing Training:
Covers routine battery maintenance tasks, preventive maintenance scheduling, and testing techniques to ensure battery health and performance.



Energy Storage System (ESS) Design and Integration Training:

Addresses the design and integration of energy storage systems using batteries and other storage technologies, including grid-tied and off-grid applications.



UPS & Inverter-Troubleshooting & Repairs:

Provides skills in diagnosing and troubleshooting UPS and inverter issues, including fault identification, troubleshooting techniques, and basic repair procedures.



Battery Charging and Discharging Management:

Covers battery charging and discharging management techniques, charge controllers, and energy management for efficient use of stored power.

UPS and Inverter Remote Monitoring and Management:

Training on remote monitoring systems, data telemetry, and communication protocols for real-time monitoring and control of UPS and inverter systems.



Data Center Power Backup and UPS Solutions:
Specialized training for professionals working in data centers, covering power backup solutions, UPS systems, and power distribution



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.

