

# TRAINING ON GENERATORS

- Powering Your Path to Excellence



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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 generators

Pertechnica's training initiatives cover a diverse spectrum of pivotal topics, including generator types, operational principles, maintenance practices, safety protocols, and advancements in generator technology. Emphasizing efficiency, reliability, and adherence to industry standards, Pertechnica Engineering ensures that participants gain a deep understanding of generators, enabling them to oversee, maintain, and optimize these critical systems across various industrial applications in India with precision and efficacy.

### Employee Trainings on generators

#### Generator Operation and Maintenance Training:

This program covers the fundamentals of generator operation, including types of generators, controls, startup and shutdown procedures, routine maintenance, and troubleshooting.



#### Generator Safety and Regulatory Compliance Training:

Safety is a top priority when working with generators. This training emphasizes safety procedures, hazard identification, and compliance with safety regulations and standards.



**Diesel Generator Operation & Maintenance:**

Focused on diesel generators, this training program provides in-depth knowledge of diesel engines, generator components, fuel systems, lubrication, and maintenance practices specific to these generators.



**Gas Generator Operation and Maintenance:**

Specific to gas generators, this program covers gas engine operation, fuel systems, ignition, maintenance, and emission control for gas-fueled generator sets.

**Generator Control Systems and Automation:**

Training on control systems, including PLCs, SCADA, and other automation technologies used for efficient generator control, load management, and remote monitoring.



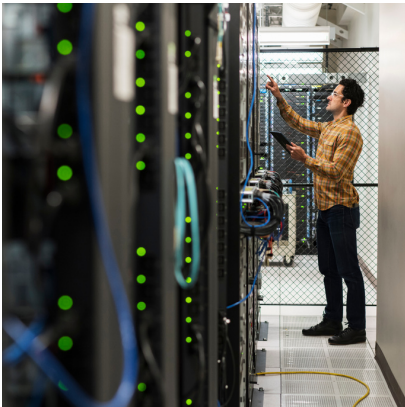
**Generator Synchronization and Parallel Operation:**

Covers the principles and practices of synchronizing multiple generators for parallel operation to provide power redundancy and meet varying load demands.



**Generator Load Bank Testing:**

Training on load bank testing procedures to assess a generator's performance under load conditions, verify its capacity, and identify potential issues.



**Generator Maintenance Planning and Reliability:**

Focuses on maintenance planning strategies, reliability-centered maintenance (RCM), and predictive maintenance techniques for generators.

**Generator Troubleshooting and Repairs:**

Covers diagnosing and repairing generator issues, including fault identification, troubleshooting techniques, and basic repair procedures.



**Generator Remote Monitoring and Telematics:**

Training on remote monitoring systems and telematics for tracking generator performance, fuel levels, and maintenance needs from a centralized location.



**Generator Environmental Compliance:**

Addresses environmental regulations and best practices related to generator operation, emissions control, noise reduction, and waste management.



**Emergency Generator Operation and Maintenance:**

Designed for professionals in emergency services and critical facilities, this program focuses on the operation and maintenance of backup generators to ensure uninterrupted power supply during emergencies.



**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.

