

DEFINITION AND SELECTION OF ALTERNATORS

ALT 2 Level: 1

OBJECTIVES

After the training, the trainees will be able to:

- Understand the excitation and regulation principles of the alternators
- Identify the details of the electrical parameters and mechanical configurations
- Select an alternator according to a specifications sheet

€ PRICE: €1375 excl. tax/trainee

🕒 DURATION: 3 days

👤 ATTENDANCE*: 4 participants minimum

📍 LOCATION: Angoulême, France

% DISTRIBUTION: 30% practical
70% theoretical

👤 PREREQUISITES: Knowledge electrical engineering (basics)

**The course is confirmed once at least 4 inter and/or intra company participants have signed up.*

AUDIENCE

- > Design office technician
- > Sales engineer
- > Genset manufacturer

CONTENT

- > Reminder on the basics of the different excitation systems
- > Presentation of the operating modes and parallel running
- > Discovery of help options: LAM, U/F, equalisation, AREP, ...
- > Presentation of electrical engineering basics about alternators (insulation, temperature rises, harmonics, neutral point, reactance, PQ diagram, IEEE diagram, curves, ...)
- > Presentation of mechanical aspects: construction (IM), protection (IP), cooling (IC), main bearings and terminal box
- > Study of real-world cases based on trainee experiences

RELATED PRODUCTS

- > Synchronous alternators of the Leroy-Somer range

