

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 specification 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, Installer, Maintenance technician, Business manager

CONTENT

- > Reminder of the basics of the different excitation systems
- > Presentation of the operating modes and parallel running
- > Presentation of help options: LAM, U/F, equalisation, AREP, ...
- > Presentation of the basics of electrical engineering on 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 cases based on trainee experiences
- > Formative evaluation by Quiz

RELATED PRODUCTS

- > Synchronous alternators of the Leroy-Somer™ range

