

Power electronics module, technology and maintenance (theoretical part)



TARGET AUDIENCE

- Electrical Operator
- Electrical Manager



GOALS

- Understand the principles of electrical systems Filters, power components, static converters;
- Maintenance and safety of power circuits.



PREREQUISITES

- A minimum of 3 months experience in the field of equipment maintenance.
- Have taken the MA 40 training.



EDUCATIONAL MODALITIES

Training combining theories and practical applications in a room equipped with the power units of the Engines, and educational models.



DURATION: 4,5 DAYS



PROGRAM

- Understand the working principle of Filters;
- Analyze the details of each power component;
- Understand the operation of the different generations of rectifiers;
- know how mixed bridges work;
- Understand how the different generations of choppers work;
- Understand the operation of the different generations of inverters;
- Reminder of safety rules;
- Post mortem analysis and diagnosis;
- Procedure for replacing power components;
- Studies of diagrams, and Manipulations on models.

• **Level 2 assessment:** Assessment of skills acquired at the end of training ➔ **Yes**