

Electro-Technical Course Description



COURSE CONTENT

- Describe the product, its usage, and its interactions
- Know how to locate useful and necessary information in the user manual and associated documentation
- Explain the main systems of the product (mechanical, hydraulic, electric, and control systems)
- Explain the subsystems of the product (structural, hydraulic, and control systems)
- Explain safety issues related to the equipment
- Explain the normal start/stop procedure
- Explain the emergency procedures and systems
- Explain safety issues related to the maintenance of the equipment
- Perform inspections as described in the user manual
- Perform maintenance as described in the user manual
- Use electrical diagrams to troubleshoot
- Use overall system understanding to solve potential problems with the equipment
- Be familiar with PLC programs for the machines and use the applicable programs to solve potential issues with the equipment

Who Should Attend?

Personnel who will perform electrical maintenance and repair of the equipment as well as personnel designated to oversee electrical maintenance of the equipment should attend this course.

Prerequisites

Before participating in this course, each student should have basic product and electric knowledge. It also is required that participants have basic PLC knowledge.

Goals and Objectives

Participants in this course will obtain knowledge about construction, overall system understanding, and the purpose of the equipment. Participants also will gain an understanding of the operating procedures in order to perform maintenance in a correct, efficient, and safe manner, as well as obtain a general understanding of the machine's electrical system.