

Module *BTTM* Mechanical

BTT Mechanical

BTTM (14 h)



Aim: The aim of this BTT Mechanical Module is to enable the participants to be able to perform basic mechanical tasks under the supervision of an experienced technician.

PROGRAM: BTTM Basic Technical Training Mechanical

1. Introduction to the training
2. Mechanical introduction
 - 2.1 Main components of the structure
 - 2.2 Main mechanical systems
 - 2.3 How a turbine works
3. The principles of bolted and welded connections
 - 3.1 The principles of bolt connections
 - 3.2 The locations of important bolted and welded connections
 - 3.3 Inspection of welded connections
 - 3.4 Bolt connections and correct tightening tools
4. Use of manual tightening and measuring tools
 - 4.1 Metric system
 - 4.2 Selecting and using the correct manual tightening tools
 - 4.3 Correctly setting and using a torque wrench
 - 4.4 Feeler gauges
 - 4.5 Callipers
 - 4.6 Dial gauges
5. Hydraulic torque and tension
 - 5.1 Using a hydraulic torque wrench
 - 5.2 Using a hydraulic tensioning tool
6. Gearbox
 - 6.1 Function and operating principles
 - 6.2 Inspection of the gearbox
7. Braking systems
 - 7.1 The function of the mechanical and the aerodynamic brakes
 - 7.2 Inspection of the mechanical brake system
8. Yaw system
 - 8.1 The function of the yaw system
 - 8.2 Inspection of the yaw system
9. Cooling system
 - 9.1 Components that require cooling and why
 - 9.2 Inspection of the cooling systems
10. Lubrication system
 - 10.1 Components requiring lubrication and why
 - 10.2 Inspection of the lubrication systems
11. Theoretical test
 - 11.1 Theoretical test
12. Training review
 - 12.1 Training review
 - 12.2 Feedback session

BTTM Module (BTT Mechanical)

Duration: 14 hours (2 days)

BTTM Program : Sections 1 to 12

Maximum students: 12 people per Edition.

Certificate validity:

Permanent (the company may require re-certification if no mechanical work is carried out for an extended period of time).

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