

## **OBJECTIVES**

The aim of this BTT Mechanical Module is to give the participants the knowledge and skills to carry out basic mechanical tasks (supervised by an experienced technician), using safe working procedures and the correct PPE.

This BTT Training prepares participants for further company specific training by providing them with the necessary training to perform basic hydraulic, mechanical, electrical, bolt tightening and installation tasks.

## **TARGET AUDIENCE**

The Basic Technical Training modules are targeted at candidates who have no previous experience of hydraulic, mechanical, electrical or installation systems, or working with energy powered bolt tightening, but may also be used to upskill candidates who have some knowledge but not of its application in wind turbines.

## **ADMISSION REQUIREMENTS**

- Minimum age of 18 years;
- Valid certificate of medical fitness;
- Valid BST Certificate and WINDA ID.
- Furthermore, personnel in the wind service industry must be able to read and write to a sufficient standard to be able to carry out instructions and complete the required documentation.
- It is an advantage if participants are able to read, speak and write English.

## **COURSE**

- 1 day
- Theoretical examination: 30 minutes
- Practical exercises
- Language: English

## **CONTENT**

- Introduction to the training;
- Mechanical Introduction.
- Mechanical Safety;
- The principles of bolted and welded connections;
- Use of manual tightening and measuring tools;
- Gearbox;
- Breaking system;
- Yaw system;
- Cooling system;
- Lubrication system.

## **BTT MECHANICAL MODULE**

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### Practical Exercises:

- Inspection of welded connections;
- Selecting and using the correct manual tightening tools ;
- Inspection of the gearbox;
- Inspection of the mechanical brake system.
- Inspection of the yaw system.
- Inspection of the cooling systems.
- Inspection of the lubrication systems.

### **VALIDITY CERTIFICATE**

The Basic Technical Training is an enduring qualification, so a validity period does not apply to this training.

### **PRACTICAL INFO**

Maximum number of participants: Theory: 12 Practical: 8

We supply the following PPE:

- Harnesses
- Helmets
- Connectors (carabiners)
- Lanyards
- Ropes
- Accessories