

### OBJECTIVES

The aim of this module is to prepare participants for company specific bolt tightening training, through scenario-based training.

After having successfully completed the BTT Bolt Tightening Module, participants will have the:

- 1) **Act independently** to safely plan, carryout and complete generic bolt torquing and tensioning tasks to specification using energy powered equipment.

### 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.
- **Before attending the BTT Installation Module participants must first complete both the BTT Mechanical and BTT Bolt Tightening modules.**
- 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: 35 minutes
- Language: English

### CONTENT

- Introduction to the training;
- Bolt tightening in the wind industry;
- Framing the scenario: Bolt torquing using energy powered tools;
- Pre-task phase: Planning and preparation;
- The task phase: Safely and correctly torque bolts using a combination of electrical and hydraulic tools;
- Post task phase: Pack up and review;
- Framing the scenario: Bolt tensioning using energy powered tools;
- Pre-task phase: Planning and preparation;
- The task phase: Safely and correctly tension bolts using hydraulic tools;
- Post task phase: Pack up and review.

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Practical Exercises:

- Bolt torquing scenario.
- Bolt tensioning scenario;
- Mechanical handling aids and training review.

### 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