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OBJECTIVES

The aim of this BTT Installation Module is to give the participants the knowledge and skills to carry out installation tasks associated with the Construction and Installation of Wind Turbines, 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.
- **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

- 2.5 Days
- Theoretical examination: 50 minutes
- Language: English

CONTENT

- Introduction to the training;
- Introduction to Installation;
- General procedures for working onsite with installation.
- Installation environments;
- Handling and storing.
- Lifting operations;
- Main component preparation, pre-assembly and assembly;
- Principles of mechanical completion;
- Principles of electrical completion including cable work;
- Principles of hydraulic completion;
- Principles of operation with external generators;

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- Introduction to handover to the commissioning.

Practical Exercises:

- Cutting and crimping cables;
- Marking, routing and termination of all cable types;
- Risks and hazards associated with handling and working with cables;
- Handover to commissioning.

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