

## GWO BTT Bolt Tightening

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**Duration** 8h – 1 day

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**Target group** 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.

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**Prerequisites**

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**Objective**

- 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 Using mechanical handling aids with bolt tightening tasks

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**Contents** This module utilises scenario-based training to train bolt tightening based on the job performance requirements that participants can expect to find in the wind industry. The training provider is therefore required to develop two separate training scenarios: one for torquing and one for tensioning. Each scenario should be created around an example of a bolt tightening task that it typically found in a wind turbine, for example: bolting a tower flange between tower sections 8 and 9 in an onshore wind turbine.

Course available in Polish/English

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**Exam** Ongoing assessment