

## Safe Use of Portable Hand Tools for Wind Energy

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**Duration** 45 minutes

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**Target group** Personnel who will be working in the wind industry or related fields, and will carry out their duties in a wind turbine environment, usually in physical contact with a wind turbine or offshore wind structure.  
Personnel that perform job functions that have been risk assessed by their employer or workplace, where training according to one or more modules of the BST standard may mitigate the identified risks.

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**Prerequisites** No prerequisites are required to sit this course.

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**Objective** LO1: Discuss the different types of portable hand tools used in the wind energy industry  
LO2: Describe workplace controls for portable hand tools  
LO3: Explain why hand tools can be hazardous  
LO4: Describe the potential hazards of hand tools and why injuries happen  
List common injuries associated with hand tools  
Describe the potential hazards of hand tools  
LO5: List the basic safety rules for working with hand tools  
LO6: List the PPE required to use hand tools  
LO7: List the three energy sources for portable power tools offshore  
LO8: Explain the pros and cons of each power tool energy source  
LO9: List the potential hazards of portable power tools  
LO11: Describe the safety devices fitted to portable power tools  
LO11: Describe the safe operation of power tools  
Electric  
Pneumatic  
Hydraulic  
Abrasive  
LO12: Explain the prevention of hazards through maintenance  
LO13: List the safety rules for the operation of power tools  
LO14: Explain how operators control risk in relation to power tool operation

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**Contents** This course provides an awareness of how to safely use portable hand tools. You will learn about the associated legislation and types of tools commonly used in the wind energy industry, looking in detail at both manual and powered hand tools.  
  
You will gain an understanding on the potential hazards and associated injuries, along with practical advice and knowledge on the rules and preventative measures that you should take to reduce risk and operate safely in the workplace.

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**Exam** The assessment is taken during the course and is within the expected duration.