RelyOn Nutec
360° Safety

RBSRDL025

Introduction to Wind Energy

Duration	45 minutes
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.
Prerequisites	No prerequisites are required to sit this course.
Objective	LO1: Explain what wind energy is · What is wind energy? · The major wind energy bodies that provide good practice guidance · Wind industry statistics · Environmental aspects · Major arrays and operators LO2: List examples of how wind energy has been used throughout history LO3: Recognise the main components of a wind turbine generator (WTG) LO4: Explain how wind energy is turned into power LO5: Summarise the wind turbine lifecycle LO6: Summarise the wind energy supply chain LO7: Explain the issues commonly associated with working in wind energy environments · Onshore: Access/Weather/Transport/Living away from home · Offshore: Sea state/Weather/Transfer/Living offshore LO8: Summarise the various support and transport vessels that are used on and offshore · Onshore: CTV/SOV/Lifting/Dive support/Survey/Cable laying · Offshore: Survey/Drilling/HGV/Escort/Craneage LO9: Summarise the workplace hazards associated with working in the wind energy industry LO10: Summarise personal safety equipment commonly used by wind turbine technicians
Contents	The aim of this course is to provide you with an overview of how wind energy is captured and turned into the electrical energy we use in our homes.
Exam	The assessment is taken during the course and is within the expected duration.