RelyOn Nutec
360° Safety

OBSRDL004

Pressure and Leak Testing

Duration	60 Minutes
Target group	Oil & Gas Industry
Prerequisites	No prerequisites are required to sit this course.
Objective	LO1: Explain the term 'pressure' and how it is measured LO2: Explain why pressure testing is conducted on plant and equipment exposed to high pressure LO3: Explain the relationship between operating pressure and test pressure LO4: List the legislation applicable to pressure testing LO5: Describe the potential hazards of pressure testing LO6: Explain why planning a pressure test is essential LO7: Explain the pressure test procedure document LO8: Identify the different pressure test methods LO9: Explain the difference between pressure testing and leak testing LO10: Explain how risks are controlled LO11: Identify the requirement for a permit to work LO12: Identify the competency requirements for personnel involved with pressure and leak testing LO13: Explain how to inspect the test equipment LO14: Describe the use of pressure gauges and their position in pressure testing LO15: Explain the purpose of isolation in pressure testing LO16: Identify the need for pressure safety valves and the importance of their positioning LO17: Explain how to assemble the test equipment correctly LO18: Explain why venting during hydrostatic tests is carried out LO19: Describe the safety measures implemented before pressure testing begins LO20: Describe the selection of the test medium LO21: Identify the precautions and the monitoring requirements during pressure build-up LO22: Describe the leak testing process LO23: Provide an understanding of the depressurisation techniques required after pressure testing LO24: Describe the disassembly of the test assembly LO25: Identify the hazards involved with using nitrogen LO26: Understand the hazards and precautions when working with compressed gas cylinders
Contents	The course is available in the following languages: English; Thai; Bahasa Malay; Indonesian The aim of this course is to explain the dangers posed by pressurised systems and the essential safety considerations for planning pressure-testing and leak-testing operations.
Exam	The assessment is taken during the course and is within the expected duration.