

Course code	OBSRDL004
Course name	Pressure and Leak Testing
Duration	60 Minutes
Target group	Oil & Gas Industry
Prerequisites	No prerequisites are required to sit this course.
Objective	<p>LO1: Explain the term 'pressure' and how it is measured</p> <p>LO2: Explain why pressure testing is conducted on plant and equipment exposed to high pressure</p> <p>LO3: Explain the relationship between operating pressure and test pressure</p> <p>LO4: List the legislation applicable to pressure testing</p> <p>LO5: Describe the potential hazards of pressure testing</p> <p>LO6: Explain why planning a pressure test is essential</p> <p>LO7: Explain the pressure test procedure document</p> <p>LO8: Identify the different pressure test methods</p> <p>LO9: Explain the difference between pressure testing and leak testing</p> <p>LO10: Explain how risks are controlled</p> <p>LO11: Identify the requirement for a permit to work</p> <p>LO12: Identify the competency requirements for personnel involved with pressure and leak testing</p> <p>LO13: Explain how to inspect the test equipment</p> <p>LO14: Describe the use of pressure gauges and their position in pressure testing</p> <p>LO15: Explain the purpose of isolation in pressure testing</p> <p>LO16: Identify the need for pressure safety valves and the importance of their positioning</p> <p>LO17: Explain how to assemble the test equipment correctly</p> <p>LO18: Explain why venting during hydrostatic tests is carried out</p> <p>LO19: Describe the safety measures implemented before pressure testing begins</p> <p>LO20: Describe the selection of the test medium</p> <p>LO21: Identify the precautions and the monitoring requirements during pressure build-up</p> <p>LO22: Describe the leak testing process</p> <p>LO23: Provide an understanding of the depressurisation techniques required after pressure testing</p> <p>LO24: Describe the disassembly of the test assembly</p> <p>LO25: Identify the hazards involved with using nitrogen</p> <p>LO26: Understand the hazards and precautions when working with compressed gas cylinders</p>
Contents	<p>The course is available in the following languages: English; Thai</p> <p>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.</p>
Exam	The assessment is taken during the course and is within the expected duration.