

OBSRDL004

## Pressure and Leak Testing

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<b>Duration</b>	60 Minutes
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<b>Target group</b>	Oil & Gas Industry
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<b>Prerequisites</b>	No prerequisites are required to sit this course.
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<b>Objective</b>	<p>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</p>
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<b>Contents</b>	<p>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.</p>
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<b>Exam</b>	The assessment is taken during the course and is within the expected duration.
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