

OBSRDL040

## Fundamentals of Lithium-Ion Cells and Batteries

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<b>Duration</b>	45 Minutes
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<b>Target group</b>	Oil & Gas Industry (Onshore & Offshore)
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<b>Prerequisites</b>	No prerequisites are required to sit this course.
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<b>Objective</b>	LO1: Give an overview of the history of batteries LO2: Explain how a battery works LO3: Explain the structure and function of lithium-ion batteries LO4: Describe the different types of lithium battery LO5: List some examples of incidents involving batteries LO6: Explain the hazards associated with the use of batteries LO7: Explain the hazard symbols and packaging labels used with batteries LO8: Explain how to work with batteries safely LO9: Explain what to do in an incident involving batteries LO10: Explain how to safely dispose of batteries LO11: List the legislation and regulations relevant to batteries
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<b>Contents</b>	The aim of this course is to introduce delegates to the fundamentals of lithium and ion-cell batteries, including how batteries operate, the associated hazards, symbols and labelling, and how to work with batteries safely.
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<b>Exam</b>	The assessment is taken during the course and is within the expected duration.
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