

Fundamentals of Lithium-Ion Cells and Batteries

Duration 45 Minutes

Target group Oil & Gas Industry (Onshore & Offshore)

Prerequisites No prerequisites are required to sit this course.

Objective

- 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

Contents

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.

Exam

The assessment is taken during the course and is within the expected duration.