FUNDAMENTALS OF LIQUEFIED NATURAL GAS (LNG)

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Duration: 6 hours

Scope

This course introduces basics of Liquefied natural gas (LNG). The LNG process as the evolution of the LNG industry is presented. A brief introduction to fundamental science of refrigeration as well as regasification is followed up with applications of all three aspects, namely liquefaction, transport ship, and receiving terminal. Also discussed is the emerging technologies and the latest developments related to all three aspects.

Course Content

- Introduction of the LNG industry
- Fundamental science of liquefaction and regasification
- Baseload liquefaction plant
- Plant operation
- Major units
- Safety and environmental considerations
- LNG shipping
- Receiving terminal
- LNG project development
- Major LNG projects
- Unconventional gas and future prospects
- Small scale LNG and its economics

Who should attend?

Chemical engineers, mechanical engineers, petroleum engineers, involved in gas operations; project managers; policy makers with technical background

Handout

A handout containing all presented slides will be given out to each participant.