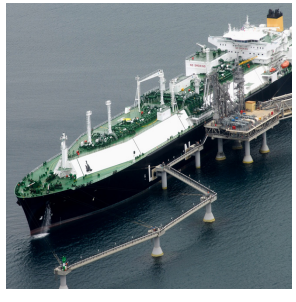
Online courses | LNG OVERVIEW

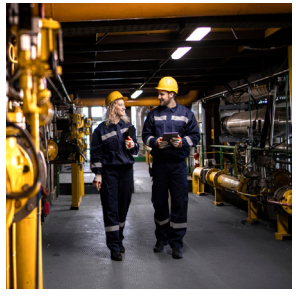
enerdynamics
The Energy Education Experts

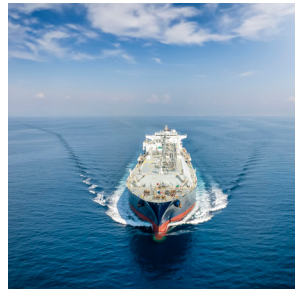
Course length: 90 minutes
Subscription: 1 month - 12 months
Cost: $195-$250
Prerequisites: None

An easy-to-follow overview of the Liquefied Natural Gas (LNG) industry

LNG Overview provides a comprehensive introduction to the Liquefied Natural Gas (LNG) industry. The course uses non-technical language to explain what LNG is, how it is created and transported, how it is used, safety and environmental issues, regulation of the various LNG sectors, and how global LNG markets function. Sectors covered include liquefaction, transport, and regasification. Included are activities to engage the learner throughout the course and a knowledge check to test learning retention. This course enables industry professionals to understand the rapidly growing global LNG business. LNG Overview is mobile ready and works on multiple devices including desktop, laptop, and smart phone.







WHO WILL BENEFIT FROM THIS COURSE?

- Any industry professional needing to understand aspects of the LNG industry

WHAT PARTICIPANTS WILL LEARN

- What LNG is
- The physical characteristics of LNG
- How LNG is measured
- Why we create LNG
- The steps in the LNG delivery chain
- How LNG is created through liquefaction
- How LNG is transported
- How LNG is regasified to return it to pipeline ready natural gas
- Various uses for LNG
- Safety and environmental issues associated with LNG
- How the LNG sectors are regulated
- How global LNG markets function

COURSE AGENDA

Introduction

- What LNG is
- Why we use LNG
- Physical characteristics
- LNG units

The LNG Delivery Chain

- The three sectors of the delivery chain

Liquefaction

- The liquefaction process
- The stages of processing, liquefaction, storage, and loading
- Onshore liquefaction
- Floating liquefaction
- Liquefaction costs
- Global liquefaction facilities

Transport

- How LNG is transported
- Loading
- Tanker ships
- Tanker trucks
- Shipping costs
- The shipping fleet

Regasification

- The regasification process
- The stages of berthing, unloading, storage, and vaporization
- Onshore regasification
- Floating storage and regasification
- Reloading capability
- Regasification costs
- Global regasification facilities

Small LNG

- What small LNG is
- Ship fuel
- Truck and rail fuel
- Utility peak storage
- Container transport

Safety and the Environment

- Safety concerns
- Security
- Risk mitigation
- Environmental issues
- Greenhouse gas emissions

Regulations and Permitting

- Goals of regulation and permitting
- Regulatory concerns for each sector
- Who permits LNG projects in each sector

Markets

- Global LNG flows
- Market participants
- Users and owners across the delivery chain
- Deal structure
- Contracts
- Pricing
- Risk management
- Finance structures

Knowledge check

- Quiz to test achievement of learning objectives