



M0049: LNG Import Terminal: Critical Option Selection and Decision- Making

Training Description:

Natural gas is rapidly being adopted as the fuel of choice for the 21st Century. Readily transported in the form of LNG, market demand for this product across the world is growing fast. LNG Import Terminals are typically located near major population centers leading to a growing tension between the desire for its beneficial qualities (clean, relatively inexpensive and easily transported) and a public perception of LNG as a 'dangerous' product. The public at large generally wish to enjoy the benefits of this product but without exposure to its perceived hazards. The LNG Import Terminal is a key element of the LNG supply chain for importing this valuable energy source and selecting the optimal LNG Import Terminal solution is critical for delivering a safe, reliable and cost-effective long-term solution.

This intensive training course provides a systematic and robust approach to Identifying, Screening, Selecting and Defining the optimal LNG Import Terminal solution based on criteria specific to the project in terms of Safety, Technical, Commercial and Project Execution factors. Having a systematic approach to select the optimal solution will substantially reduce risks during subsequent development phases of the project including Permitting, EPC, Installation, Commissioning and Operation. This training seminar is essential in systematically selecting the optimal LNG Import Terminal solution and avoid potential design recycling, project development delays and cost overruns.

The course will highlight:

- Key Drivers for Importing LNG
- LNG Terminal Development Options
- LNG Terminal Option Screening System
- Identifying and Applying Option Selection Criteria
- Defining the Optimal LNG Terminal Solution

Training Objectives:

By the end of the training, participants will be able to:

- ✓ Understand Key Drivers for an LNG Import Terminal
- ✓ Identify Potential LNG Import Terminal Options
- ✓ Determine the Key Option Selection Criteria for an LNG Import Terminal
- ✓ Systematically Analyze the Potential LNG Import Terminal Options
- ✓ Define the Optimal LNG Import Terminal Solution to next stage of development
- Learn an excellent understanding of potential LNG Import Terminal option
- Enhance your knowledge of key criteria and drivers to analyze and select optimal LNG Import Terminals
- Gain valuable knowledge of systematic decision-making tools for selecting an optimal LNG Import Terminal based on limited information.
- Influence and support critical corporate level decisions related to LNG Import Terminals
- Speak knowledgeably about LNG Import Terminals and the factors that influence key decisions

Training Designed for:

This course is intended for those who are involved in key decision making relating to LNG Import Terminals. It will give an insight to how key LNG Import Terminal option selection decisions can be systematically

determined at an early stage with limited project specific information, project development professionals, business managers, project managers, senior leaders, team leaders, strategic decision makers.

Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.”

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

DAY ONE:

- ❖ PRE-TEST
- ❖ Introduction
- ❖ **Module 1: LNG Import Terminal Key Drivers**
 - What is LNG and why is it important?
 - The LNG Supply Chain
 - History of LNG Import Terminals
 - Global Trends in LNG Imports
 - Understanding the Drivers for Importing LNG

DAY TWO:

- ❖ **Module 2: LNG Terminal Development Options**
 - Major Land-Based LNG Import Terminals
 - Floating Storage and Regas Units (FSRUs)
 - Floating Storage Unit (FSU) + Regas Unit (RU)
 - Barge Based LNG Import Terminals
 - Novel LNG Import Solutions

DAY THREE:

- ❖ **LNG Terminal Option Screening System**
 - Rational for a Screening System
 - How the Screening System works
 - How to determine option selection criteria
 - How to assign weight/importance to options
 - Defining and selecting key project information

DAY FOUR:

- ❖ **Applying Option Selection Criteria**
 - Step by step run through of setting up the Screening System
 - Example of using the Option Screening System to select an LNG Import Terminal Option
 - Analyzing and interpreting Screening System results
 - Workshop on using the Option Screening System to select an LNG Import Terminal Option
 - Review and discussion of Screening System workshop results

DAY FIVE:

- ❖ **Defining the Optimal LNG Terminal Solution**
 - Key Technical parameters to define the optimal LNG Terminal Solution
 - Key Permitting parameters to define the optimal LNG Terminal Solution
 - Key Commercial parameters to define the optimal LNG Terminal Solution
 - Key Project Execution parameters to define the optimal LNG Terminal Solution
 - Final question and answer session
 - Course Leader's Summary of the complete course
- ❖ Course Conclusion
- ❖ POST-ASSESSMENT and EVALUATION

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

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