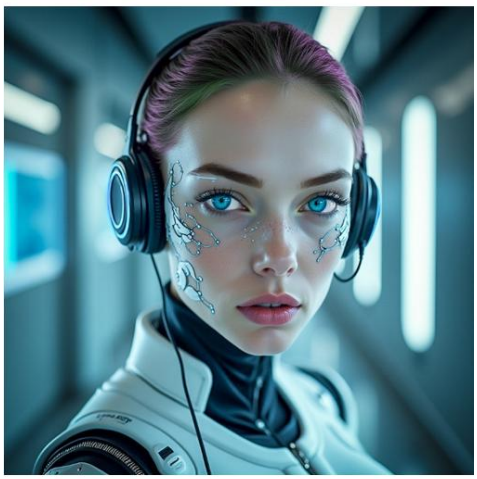
2026 LNG Loss Control & Marine Expeditor – Ship/ Shore Interface (2 Days)

What is new?

Cassandra



'Only those systems that use optimal information can function. Let me test yours'

TTT funded the development of an Artificial Intelligence named 'Cassandra'. Based on The General Law of Functionality, Cassandra detects knowledge gaps can test and predict HSEQ Performance and Operational Excellence. She acts as an Early Warning System preventing risk. This is a unique service only offered by us.

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Controlling and Prevention Storage, Transfer and Operational Losses can only be achieved by in depth knowledge of the Ship/Shore Interface and experience both ashore on LNG Facilities and on board LNG Tankers. Superintendence and Loss Control are very important techniques to assist your clients to recognize causes for loss and preventing them from happening. This course is designed to teach the students how to understand, investigate, report and control loss in quantity, quality and time.

Day 1:

- Introductory Session – safety and security during the course
- Introduction to course content and timing. Gas glossary
- Gas and LNG Quiz
- Introduction to Gas/LNG Chain and Gas Concepts:
  – Discussion of characteristics of various gas market sectors
- Gas products
- Overview of gas reserves and gas trades, including LNG
- Gas/ LNG field development
- Gas and LNG markets and market structure issues
- Position of LNG in development of Stranded Gas
- Shale gas – a game changer and impact on LNG?
- Gas quality and gas/ LNG processing overview
- Gas transport and losses during transit by Sea.
- Prevention of Losses during LNG cargo transfer.
- Gas balancing issues – how gas storage is implemented:
  – Use of LNG to smooth out fluctuations in supply

Day 2:

- LNG Market Overview
- Upstream Issues (overview only)
- Liquefaction of LNG
- Transportation of LNG: LNG shipping types and comparison. Typical costs
- Regasification of LNG – practicalities of choice and design of a receiving terminal
- Logistics and costs of LNG: cost of supply along LNG value chain
- Measurement of LNG.
- Losses during Measurement.
- Sampling of LNG.
- Losses due to Sampling error.
- Typical Project Timescales

- Pricing of LNG
- Short-term trading of LNG:
  – Pricing arbitrage
  – Other reasons for shorter term trading and constraint
- Summary of Gas and LNG commercial issues:
- Summary of gas and LNG pricing issues and latest trends:
  – Henry Hub, European practice (N and S Europe), Asia
- Case study of Loss Prevention in LNG terminal in Tong Yeong, South Korea..
- How to ensure faster turnaround for LNG ship's?
- How to minimize port stay for the ship?
- How to control Demurrage? Demurrage analysis for LNG
- Note of protest and Bill of Lading Concepts.
- Evaluation of students.

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Your Trainer: Captain. Shyam Paliwal

Shyam has more than 12 continuous years of successful hands-on problem solving and decision making experience in challenging, dynamic and multifaceted marine work environments at sea and ashore, in a position of responsibility or other crucial decision-making leadership capacities. This includes 7 years as a Captain/Senior officer aboard deep-draft LNG tanker vessels transporting volatile cargoes in the world-wide liquid gas trade, with unblemished safety record as well as outstanding personnel evaluations.
This was followed by 5 years of work experience at LNG and Oil & Gas Terminals in Korea in the capacity of LNG advisor to Shell Trading and Shipping Company (STASCO). During his time with Shell he was responsible for Oil loss control and helped save millions of dollars by preventing shortages and contaminations. Shyam has worked as a Consultant in Korea for P&I clubs in investigating contamination losses of petroleum products. He has successfully reduced the vessel turnaround times and increased berth utilization. He commissioned the 4 largest LNG carriers in the world the Q-Max vessels at LNG Import terminals in Korea. Each vessel is an LNG terminal on its own with a re-liquefaction plant and an enclosed flare. Shyam also supervised the building of 25 Oil and LNG Tankers at Samsung, Daewoo and Hyundai Shipyards in Korea as a Nautical Inspector while working for Shell in South Korea. He provided LNG marine operations, safety and regulatory compliance consulting services to major energy and marine transportation companies. Shyam has significant shore side operations management experience with broad knowledge of commercial aspects of global maritime enterprise and energy shipping. He holds various marine technology patents and copyrights. He is a Master Mariner and a member of the Nautical Institute, UK.
Shyam has trained hundreds of loading masters, operators and managers worldwide for TankTerminalTraining.

We make people better!