

DAY 1

Setting the Introductory LNG Scene in Energy Industry

- Introduction to the LNG Industry
 - Exploration, Development and LNG Production, Shipping, Importation
 - Cost and Value Drivers: Shareholder Expectations
 - The Value Chain: From Wellhead to Burner Tip
 - Players: Governments, NOCs, IOCs, Banks and Insurers, etc.
- Natural Gas Value Chain
 - Exploration and Production
 - Processing and Production
 - Sales Gas Transmission
 - Underground Storage
 - Distribution
 - Sales Gas and Product Specifications
- Global Production
 - Where and Who are the Producers of LNG
 - Projects currently under Development
- Global Markets
 - Where and Who are the users of LNG
 - Projects currently under Development
- Gas Conditioning Processes
 - Excess Water Removal
 - Contaminants Removal
 - NGL Separation

DAY 2

Essential Logistics of LNG

- Nitrogen Rejection Processes
 - Cryogenic Process
 - Absorption Process (using lean oil or solvent) Membrane Separation
 - Adsorption Process (activated carbon) Storage System
- LNG Transportation Logistics
 - Vapour Recovery System LACT Unit
 - Sampling

- Natural Gas Transportation
- Pipeline Components
- Compressor Stations
- Metering Stations
- Valves
- Control Stations
- Pipeline Operations
 - Basics of Gas Pipeline
 - Gas Flow Measurement
- Liquefied Natural Gas (LNG)
 - Why LNG a Growth Industry
 - Compression & Refrigeration
 - Transportation of LNG
 - Major LNG Exporting Nations
 - Major Importing Nations

DAY 3

LNG Pricing Structures for Exports, Marketing and Project Risks

- LNG Sales, Marketing and Trade
 - Price Disparity in Different Regions
 - LNG Benchmarks
 - Major Changes in LNG Business
- LNG Pricing Structures and Price Dynamics
 - Natural Gas Prices
 - Regional Pricing Disparity
 - Pricing Structures Key To Future Of LNG Exports
 - Oil Linked LNG Pricing
- Business Sector
 - Industry and Market Structure
 - Natural Gas Demand
 - Natural Gas Supply
 - Economics of the Natural Gas Plants
- LNG Expanding Market
 - LNG as Land Transport Fuel
 - LNG as Marine Transport Fuel
- Key Project Risk and Value Identification
 - Understanding the Fundamental Commercial Drivers for Project Success

- Identification of Key Project Risks (from a commercial perspective) and Mitigation Strategies
- Reserves Definitions and Reserves Certification
- Completion and Cost Overrun Risks
- Cost Linkages to Oil and Gas Prices
- Maximizing Profitability of Gas Plant Assets
 - Business Evaluation and Profitability Analysis
 - Return on Investment Analysis
 - Selection Criteria of Best Return on Investment
 - Portfolio Management
 - The Performance Strategy— *Integrated Gas Plant*
 - The Successful Information Strategy
 - Operations Strategy

DAY 4

LNG Project Financing and Project Management

- Gas Plant Project Management
 - Project Management Overview
 - Industry Perspective
 - The Project Management Process
 - Project Controls & Quality Controls
 - Quality Assurance
 - Commissioning and Start-up
- Dispute Prevention & Arbitration
 - Disputes
 - Arbitration and Expert Determination
- Commercial Structures
 - Alternative Commercial Structures
 - Complexity of Integrating Requirements
 - FOB vs. DES Sales
- LNG Project Financing Essentials
 - Financial Structures in LNG
 - Investment Decision Making
 - The Key Value Drivers in LNG Financing
- Overview of LNG Financing Options
 - Balance Financing
 - ECA and Multilateral Agency Funding

- Capital Markets
- Asset based Financing
- Project Financing and Structured Recourse Financing

DAY 5

LNG Agreements, Regulations and Future Trends

- LNG Agreements
 - Overview of the Contractual Terminology
 - Stakeholder Analysis and Drivers
 - Upstream Agreements
 - LNG Supply Purchase Agreements SPA
 - EPC Contracts
 - LNG Shipping Arrangements / Agreements
 - LNG Regasification Terminal Agreements
 - Fiscal and Legal Regimes Worldwide
 - Production sharing Arrangements
- Regulations
 - The History of Regulations
 - The Market under Regulation
 - The Environmental Impact
- The Future Trends in Natural Gas Trends
 - Trends in LNG Markets
 - Latest Changes and Movements in LNG Trading
 - The Impact of Shale Gas
 - Hubs vs. Oil for Price Setting
 - Market Shifts in Importation and Liquefaction
 - Mid and Small-Scale LNG
 - Benefits of Floating LNG Business
- Wrap-up and Summary