

**E-014**

## OBJECTIVES

To provide participants with an overview of the economic and contractual aspects of the LNG (Liquefied Natural Gas) chain.

Upon completion of the course, participants will have:

- analyzed the economics of each part of the LNG chain,
- understood the basic structure of LNG contracts,
- described the main LNG markets and their evolution.

## COURSE CONTENT

### TECHNICAL ASPECTS OF THE LNG CHAIN

1 day

LNG : properties and specifications  
Design of the different parts of the LNG Chain  
Principles, standards, usual practice and size  
Liquefaction plants, LNG tankers, regasification terminals  
Risks, danger, impact on design  
Main projects of regasification terminals in the world  
Exploitation of regasification terminals  
Capital expenditures and operating costs  
Feed-back from some international projects

### ECONOMICS OF THE LNG CHAIN

1 day

Costs and investments of the LNG Chain:  
- production  
- liquefaction  
- transport  
- regasification  
Comparison of costs between LNG and gas pipelines  
Comparison between LNG and GTL (gas-to-liquid) economics  
Natural gas reserves, production and consumption  
International gas trades and the importance of the LNG  
Evolution of LNG trading and pricing  
Main LNG markets : Japan, South Korea, Atlantic basin, India, China

### LNG CONTRATS

2 days

Main features of LNG contracts  
Important articles in long-term LNG sales agreements  
LNG pricing: price formulae, indexation and net-back value  
Impact of gas markets liberalisation  
Third-party access to regasification terminals  
Example of terminals in France  
Coexistence between long-term contracts and short-term contracts  
Impact on LNG marketing

### ▲ Who should attend?

Professionals from the oil, gas or power industries, or from the bank/insurance/consulting sectors who need to understand LNG activities and their economic stakes.

### ▲ Duration

**4 days**

### ▲ Sessions in English

**September 21-24, 2010**  
Rueil-Malmaison (Paris)

**French session: F-014**

### ▲ Registration

**Fees: € 2,010**

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### ▲ Course Coordinator

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