

Energy Value Chain

This 2-day training course is designed to introduce delegates to energy, energy products, energy markets and their developments and constraints. The programme is designed to provide participants an introduction to market fundamentals, such as production and consumption, market participants, energy products, the working of processes, bottlenecks, pricing & trading.

Learning objectives

The learning objectives of this extensive education programme are to acquire insight and knowledge of, and practical skills regarding:

- Energy products
- Energy markets
- Market participants and their role
- The role of the government
- Management within the energy sector
- The working of processes in the energy sector
- The bottlenecks in the energy sector
 - Availability & technique
 - The environment & sustainability
 - Transport
 - (Geo-)politics
- Integration with the financial markets and the consequences of such

Target group

This course is specifically suitable for people within utilities, energy companies, supervisory bodies and governmental entities, but also for people within financial institutions, such as capital market exchanges, banks, pension funds and insurance companies, who operate in the field of commodities.

This Mercurious' course is particularly suitable for (new) personnel in the financial and energy markets including:

- New employees of utilities and energy companies, supervisory boards and (energy) exchanges
- Decision makers and policy makers of governmental entities
- Employees of back, mid & front-offices of utilities, energy companies, banks & exchanges
- IT personnel active within the energy sector
- Energy related-personnel in banking and corporate finance
- Risk managers & treasury staff
- Traders & analysts
- Portfolio managers & Investment advisors
- Internal & external accountants
- Controllers & compliance officers
- Legal staff within the energy sector
- Investment & fund managers
- Salesmen & traders of energy companies & financial institutes

DAY 1

Core business of energy companies

- Clients
- Delivery of power and gas
- Variety of power plants & their working

Market participants and their role

- Power producers & utilities
- Oil & gas companies
- Large consumers
- Transmission system operators (TSOs, GSOs)
- Energy exchanges
- Regulatory bodies
- Governments
- Financials

Power & gas sector

- Understanding the marketplace
- Market participants
- Shippers
- Programme responsible parties
- Traders, speculators & hedgers

Products

- Oil
- Gas
- Coal
- Power
- Emissions
- Transport (Freight & transport capacity)
- Weather

Market fundamentals & pricing

- Demography & economy
- Reserves & availability
- Production & capacity
- Social factors & political policy
- Transport
- Geo-political interests & risks
- Quality
- Exchange rates, inflation & negative correlation
- Seasonality & weather
- Substitution

DAY 2

Bottlenecks & constraints in the global commodity markets

- Availability
- (Geo-)politics
- Transport
- Environmental issues

Local, regional & global developments

- Independent energy supply policy
- Sustainable energy
- Market liberalisation
- Third party access (TPA)
- Product development
- Market coupling
- Cross border capacity
- LNG
- Storage facilities
- Quality conversion

Sustainability

- Energy transition
- Renewables (wind, solar & hydro power)
- Bio-fuel
- Alternatives
- Food & price problem (food-feed-fuel)
- Nuclear energy
- Feasibility /economical viability

Trading

- Spot vs. forward markets
- Exchange vs. OTC
- Brokers & their role
- Trading
 - Hedging
 - Arbitrage
 - Speculation
- Derivatives
 - Futures / forwards
 - Options
 - Swaps
- Risk management
- Spark & Dark spreads
- Crack spreads