

Online Industry Fundamentals Training



S&P Global
Energy

S&P Global Training

Over 20 Years of Experience Delivering Learning and Development Solutions to the Industry

With more than two decades of experience, S&P Global Training provides impactful learning and development programs designed to meet the evolving needs of professionals across industries.

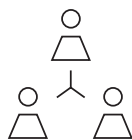
Supported by S&P Global's trusted data and insights, our courses are created and led by international experts. Their deep knowledge and practical experience ensure strong learning outcomes, regardless of scale, location, or specific training goals.

S&P Global Learning delivers customized and cost-effective training solutions with a proven record of success.



Expertise

Specialist knowledge of current training and development industry insights, understanding client needs and delivering the relevant professional skill sets.



Consistency

Delivered through our robust and scalable, Training & Development professional resourcing process, ensuring you receive the same high-quality standard.



Reach

Global availability ensuring you have one point of contact to provide high caliber instructors for your worldwide training & development requirement.



Value

Cost-effective solutions using our contingent resourcing model or our specialist offshore capabilities with full vetting, validation and quality control standards applied to both.

20 Years of Satisfied Learners

“The course covered all aspects related to the Energy Transition, provided an understanding of the linkages between politics, markets and technologies.”

- **Executive Vice President, Manufacturing, Asian Oil Major | Energy Transition Fundamentals**

“Good, high-level summary of industry developments. The course instructors were very knowledgeable, and well prepared.”

- **Head of Basic Materials at European Banking Institution | Advances in Chemicals Sustainability**

“The way the course tied various topics together was excellent. From refinery and petrochemical technology, and refinery optimization to GHG reduction initiatives, transportation industry response by sector, and OTC.”

- **President, Major Chemical Producer | Refineries of the Future**

“Very informative, broken down into easy-to-understand concepts; weaving stories into dense material is excellent. In retrospect, I would have enjoyed the three-day course.”

- **Director, Corporate Development, Major Chemical Producer | Understanding the Global Petrochemical Industry**

“The commercial strategies sessions were excellent”

- **Global Advisor from an energy major | Oil Markets, Price Forecasting and Commercial Strategies**

“Good overview of biofuel markets. The course gave me more understanding of economic drivers for producers, especially credits and the volume targets that drive incentives.”

- **Director of Manufacturing | Bio-Feedstocks**



Online Learning that Transforms Business

A subscription product offering more than 20 one-hour online masterclasses, built on in-house data and market insights and delivered by CI experts. These masterclasses equip participants with the knowledge and skills needed to thrive in an evolving energy landscape, with Learning & Development (L&D) teams within energy corporations as the primary audience.



Sectors covered:

- Upstream
- Oil Markets
- LNG Markets
- NGL / LPG Markets
- Power Markets
- Petrochemicals
- Biofuels

*The content is updated once a year to reflect the latest data, market insights, and industry dynamics.

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Courses Available

Core Hydrocarbon Markets & Trading

- Upstream Valuation
- Oil Markets
- Oil Pricing
- Oil Trading

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- Alternative Fuels for Maritime Market

Gas, LNG & Low-carbon Molecules

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- LNG Contracting
- NGL /LPG Markets
- Hydrogen Markets
- Methanol & Ammonia Industry

Petrochemicals

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- Trading Strategies for the Petrochemical Industry

Power & Renewable Energy

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- Renewables & Power Systems
- Solar PV Technology
- Wind Energy Technology
- Nuclear Fuels

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- Carbon Markets
- CCUS Markets
- Decarbonizing Aviation: CORSIA

Commercial & Risk Management

- Tariffs Impact on Energy Trading
- Financial Statements & Ratio Analysis

Online masterclass

Upstream Valuation



Jac Parsons

Principal Analyst, Europe
Asset Valuation

This session covers exploration and production fundamentals, field development planning, petroleum fiscal regimes, project evaluation, and market dynamics. Ideal for professionals seeking to understand valuation drivers and decision-making in today's evolving energy landscape.

Basics of the Exploration and Production Industry

Field Development Planning

Petroleum Fiscal Regimes and Fiscal Instruments

Project Evaluation

Market dynamics, Valuations & decision Analysis

Online masterclass

Oil Markets



Spencer Welch

VP, Head of Oil-Markets,
Midstream &
Downstream Consulting

This session provides an overview of oil and the forces shaping the oil and energy markets today. Gain valuable insights into the history of the oil market, the dynamics of oil demand and supply, and the geopolitical factors at play.

Oil Market Fundamentals

History of oil and oil prices

Oil demand and supply, surplus or deficit?

OPEC: review willingness and ability
to stabilise the market

Oil's role in global energy supply

Crude oil quality, price and trade

How price is drive by quality

The role and importance of benchmarks

Oil and the energy transition

What can replace oil as energy source
and how long will it take

Online masterclass

Oil Pricing



Joel Hanley

Executive Director,
Strategy and
Development

A guide through the intricate mechanics of trading physical crude. This session offers insights into the daily assessment and determination of pricing benchmarks that influence global crude trade, with a particular focus on Dated Brent.

Price Discovery & Trading

Brent market: Understanding what the physical trading data represents

Trading: The mechanics

Methodology

Oil Price Forecast

Benchmarks

Overview of Platts Oil Benchmarks

Dated Brent/Urals

Platts Dubai/Oman

Online masterclass

Oil Trading



Claire Godard

Senior Director, Middle East and Africa Analytics

This session covers essential risk management concepts, explore basic futures and options, and understand basis trading and hedging strategies.

Risk Management Concepts:

Approaches to risk management; Risks with discretionary positioning; Long and short

Basic Futures:

Ecosystem and settlement; Margins, basis and spreads

Overview of Options:

Variables to determine option prices; Profit and Loss diagram; Basic option strategies

Introduction to Basis Trading:

Implications of basis; Models for basis analysis

Introduction to Hedging:

Strategies in trading & Basic Hedging Instruments

Online masterclass

Refining Markets

This session explore refining fundamentals, including technical configurations, operational efficiencies, and economic drivers. It covers margin optimization strategies and how technical setups influence profitability.



Debnil Chowdhury

Vice President, Americas Head
of Refining and Marketing

Refining Fundamentals

Refinery technical configuration and operations

Refinery economics and margin optimization

Online masterclass



Peter Norfolk

Global Director,
Freight Pricing

Shipping and Freight Markets

This masterclass provides an introduction to the global maritime freight markets, illustrating their importance in facilitating global trade. It explains how freight is traded and the demand and supply drivers that impact freight rate levels. The variety of vessel types and trading strategies employed are considered, alongside an explanation of the economics of freight and common terms used in transactions.

The Platts freight assessment process explained

Overview of global shipping, types of vessels and cargoes

Ship supply and cargo demand fundamentals

Market practice, chartering types and trading strategies

Online masterclass

Bunkering Fuels



Krispen Atkinson

Associate Director,
Consulting (Maritime
Specialist)

An introduction to the global maritime freight and bunkering ecosystem, examining fleet outlooks, fuel supply and demand dynamics.

Key supply hubs, distribution, and delivery

Supply-demand trends and fleet outlooks

Marine fuel types: HFO, VLSFO, MGO

Quality standards and regulations

Online masterclass

Alternative Fuels for Maritime Markets



Fotios Katsoulas

Director, Tanker Freight
& Alternative Fuels

As the maritime industry is accelerating the adoption of alternative fuels, this course provides an overview of the evolving maritime fuel landscape. What are the alternatives—and what role can be expected for hydrogen and hydrogen derivatives.

Status of Alternative Fuels for Maritime

Overview of current alternative fuel
usage in maritime industry

Key drivers and challenges for alternative
fuel adoption in shipping

Summary of global maritime fuel
regulations and policies

The Alternative Maritime Fuels Value Chain

Review of alternative fuels (e.g., LNG, ammonia,
hydrogen, methanol) and their applications

Market dynamics and trends in maritime fuels

Long-Term Global Outlook for Maritime Fuels

Base case outlook for alternative maritime fuels

Technological advancements and
future fuel scenarios

Online masterclass

LNG Markets



James Taverner

Research and Analysis
Director, Gas Power &
Climate Solutions

LNG demand-supply dynamics are undergoing seismic changes in major markets - Asia, Europe and Americas. This course equips learners with a fundamental understanding of how the global LNG markets are structured.

Role of LNG in global energy

Consumption of natural gas by region and sector

The growing role of LNG in natural gas

Main import and export markets for LNG

LNG Value Chain

Components and typical costs of the LNG value chain

Liquefaction, shipping, regasification

LNG pricing

Proportion of contracted vs spot LNG trade

LNG contracts across the value chain

Price indexation terms in LNG contracts

Historical LNG price trends

Online masterclass

LNG Contracting

A focused session covering LNG pricing, contracting and strategic risk management.



Sid Chauhan

Director, Global Gas &
LNG Consulting

Contracting trends

Indexation types

Contract lengths

Slope analysis

Sales & Purchase Agreements

Critical commercial and technical terms

Strategic considerations

Long-term agreements vs. spot market volatility

Online masterclass

NGL/LPG Markets



Darryl Rogers

Vice President,
Midstream Oil & NGL

This masterclass provides an overview of the global markets and infrastructure for natural gas liquids (NGLs, including LPG), focusing on why the markets are structured.

Introduction to the Gas Industry

Definitions, conventions and jargon

Specifications, contaminants, health & safety issues

NGL Supply Sources

End Uses and Demand Drivers –
Fuels & Petrochemicals

NGL Regional Imbalances

LPG supply & demand by region

Trade flows

Ethane & Natural Gasoline

Global NGL Infrastructure

Supply

Production & Purification

Storage & Terminals

Transport

Demand
Related-Assets

Residential, commercial, industrial

Autogas

Marine, agriculture, synthetic
gas and chemicals

Online masterclass

Hydrogen Markets



Brian Murphy

Lead, Americas Low
Carbon Gases Research

This session will provide an overview of the current uses of hydrogen, the options to produce clean hydrogen and the S&P Global long-term outlook for supply and demand hydrogen.

Status of the Global Hydrogen Market

Overview of incumbent hydrogen supply and demand

The potential role of clean hydrogen
in the energy transition

Summary of global clean hydrogen policy

The Hydrogen Value Chain

Global clean hydrogen project
pipeline and investments

Overview of water electrolysis and carbon
capture and storage technology

Cost analysis of clean hydrogen production,
transportation, storage, and consumption

Long-Term Global Outlook for Hydrogen

S&P Global Energy's base case outlook for
both near-term (2030) and long-term
(2050) hydrogen supply and demand

Online masterclass

Methanol & Ammonia Industry



Olivier Maronneaud

Global Lead – Methanol
& Plastic Circularity

This session explores market dynamics, supply routes, production landscapes, end uses, and demand drivers. Discover key players, decarbonization trends, and emerging production pathways, along with the latest legislative impacts shaping the industry.

**Overview of
the methanol
and ammonia
market:**

Supply routes

Production landscape

End uses and demand drivers

Key players

Decarbonization trends and developments
of new production pathways

Legislation

Online masterclass

Petrochemical Industry



Jeff PLOTKIN, Ph.D.

VP, Chemical Training

This course addresses industry profitability fundamentals, including chemical structures and properties, process technologies, cost of production methodologies, key producers, end-use applications, market sizes, and trade patterns across the petrochemical value chains.

Feedstocks	Natural gas, NGLs, petroleum, coal, and biobased.
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Basic Building Blocks	Syngas, Ethylene, Propylene, C4 Olefins, Benzene, Toluene, and Xylenes.
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Exploration of each building block's value chain.

Downstream	A look at more specialized product areas
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LAOs, EO/MEG, PO, Phenol, BPA, PC, Epoxies, Acrylics/SAP, Plasticizers,

ACN, Synthetic Rubbers, 1,4-BDO, ABS, Nylons, Polyurethanes, PF, MF, UF Resins and many others

Industry structure	Historical perspective
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Interactions underlying the petrochemical industry

Technology, markets, and economics

Market Drivers	Future growth opportunities?
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Online masterclass

Trading Strategies for the Petrochemical Industry



Garrie Li

Chemical Insights APAC Lead

This session explores essential concepts including optimization along the value chain, pricing strategies, and the distinction between marketing and trading. Gain insights into commercial risk elements and effective hedging strategies to enhance your trading expertise.

Petrochemical Trading

Overview of Commercial Lexicon

Commercial Optimization along the Value Chain

Pricing concepts

Marketing vs Trading

Commercial Risk elements Market

Hedging Strategies in Trading

Online masterclass

Power Markets, Data Centers & AI



Douglas Giuffre

Senior Director, North
American Power
Markets Analysis

The global power market is expected to grow significantly, driven by new demands from data centers and AI, as well as electrification, electric vehicles (EVs), and industrialization. At the same time, the sustainability and reliability of the power supply need closer scrutiny. This comprehensive masterclass delves into the evolving power market dynamics.

Power demand / supply / outlook

Understand power market, it's
outlook and demand drivers

Scaling up reliable and sustainable energy supply

Analysis of the power sector stakeholders

Power and data centres / AI

Power availability for data centres
and AI in the short term

Power reliability issues for data centres
and AI, and ways to navigate

Grid / off-grid solutions: microgrids,
Batteries and Energy Storage Systems

Responsible Generative AI: Driving
the Energy Transition Forward

Renewables Markets



Douglas Giuffre

Senior Director, North
American Power
Markets Analysis

This session provides an overview of the increased investment in renewable energy technologies, which is causing new challenges and opportunities for market players. It explores key dynamics shaping markets, investment drivers, market fundamentals, grid integration, and regulatory frameworks.

Factors to take into consideration when investing in renewable electricity

Competitiveness; Grid accommodation

- Market fundamentals
 - Profitability; Ease of business
 - Market size
 - Regulatory framework
-

Consumers: driving renewable investment

- Corporate buyers in the renewable market
 - Large energy consumers and clean energy procurement
 - Trends in renewable Power Purchasing Agreements
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Online masterclass

Power Trading

An overview of the fast-paced world of power trading and hedging. We will explore how power is generated, priced, and traded across wholesale markets, and examine the external factors—such as renewables, weather patterns, and grid balancing—that influence trading strategies.



Amy Gasca

Senior Director,
Business
Development

**Power Pricing
Mechanisms**

Understanding spot, futures, and balancing markets

**Trading Strategies &
Risk Management**

Managing market volatility and exposure in power trading

Online masterclass

Renewables & Power Systems



Glenn Rickson

Head of European
Power Analysis

This session explore how renewables interact with wider power systems and how markets are evolving to accommodate them.

Existing and future renewable penetration around the world

Specific characteristics of renewable generation

Consumers: driving renewable investment

Renewable cannibalization and curtailment

The transmission challenge

Renewables, power demand and the role of data centers

Online masterclass

Solar PV Energy Technology



Eric Wright

Senior Analyst, Clean
Energy Technology

What is the current market landscape for solar PV and how is it expected to develop? This session explores the history and fundamentals of solar PV, diverse applications, and system configurations. Understand the manufacturing landscape and supply chain dynamics while gaining insights into current installation levels and the future market outlook for solar energy.

Solar PV history & introduction

Applications & system configurations

Residential

Commercial and Industrial

Utility Scale

Manufacturing & supply chain

Technology overview

Supply chain

Global PV manufacturing landscape

Market outlook

Current installation levels

Online masterclass

Wind Energy Technology



Indrayuth Mukherjee

Associate Director, Clean
Energy Technology

What is the current market landscape for wind and how is it expected to develop? This session explores the fundamentals of wind energy, the evolving turbine supply landscape, and trends in both onshore and offshore installations.

Introduction to wind energy

Wind turbine supply landscape and recent trends

Wind turbine supply chain

Onshore wind global overview

Current installation levels

Drivers and inhibitors to deployment

Offshore wind global overview

Current installation levels

Drivers and inhibitors to deployment

Online masterclass

Nuclear Fuels



William Freebairn

Associate Editorial Director

This session explores the intricacies of the global nuclear fleet, operating performance, and innovative technologies. Delve into policies, geopolitics, and the latest advancements in fuel development and waste management. Gain insights into the evolving landscape of nuclear energy and its future potential.

Nuclear Fuels Fundamentals

Operating fleet performance and lifetime extension: existing global fleet, operational issues and lifetime extension trends, upgrade cycle

Policies, politics, and regulation: tax credits, government financing, licensing

New technologies: new reactor designs, new non-power uses, new finance models

New nuclear summary: global nuclear fleet, scenarios and AI demand

Nuclear fuel development: new fuels with potential to extend operating cycles, new fuel for advanced reactors and their supply chains, reprocessing spent fuel

Geopolitics and nuclear fuel supply chain: Sanctions, tariffs, coups and quotas

Nuclear waste and reprocessing; spent fuel management and new push to recycle

Uranium conversion, enrichment and fuel fabrication: tightening market, new investment

Latest developments: investors and governments funding next-generation nuclear and nuclear fuel supply chain capacity, politics are changing in Europe and US

Online masterclass



Michael Taschner
Global Head of
Sustainability
Services,
Sustainable1

Sustainability Strategies for the Oil Industry

This session shows how oil companies can meet emerging sustainability standards, tap green capital and satisfy ESG focused investors.

Green Taxonomy Overview

Defines eligible low carbon activities and how oil firms can map assets to qualify.

EU Taxonomy Alignment

Key technical screening criteria for oil related operations and the data needed for compliance.

Market Insights & ESG Demand

Investor and lender trends driving the shift toward greener oil portfolios.

Sustainable Bonds & Blended Finance

Use of green bonds, sustainability linked bonds and blended finance structures to fund transition projects.

Global ESG Fund Flows

How ESG focused funds allocate capital to oil assets and what criteria they apply.

Online masterclass

Biofuels & Low Carbon Fuels Markets



Christoph Berg

Executive Director,
Head Biofuels
Analytics

Biofuels and e-fuels derived from green hydrogen both have a role to play in decarbonizing liquid supply. This session provides an overview of the global biofuels industry, a critical sector in the transition to a low-carbon economy.

Status of the Global Biofuels Market

Overview and key message on
biofuels supply and demand

Key drivers and challenges in the biofuels industry

Summary of global biofuels policies and regulations

The Biofuels Value Chain

Biofuels beyond 2025: Production pathways,
feedstocks and carbon intensities

Market dynamics and investment trends

Long-Term Global Outlook for Biofuels

Overview of technologies and market trends

Online masterclass

Carbon Markets

This session provides an overview of the different types of carbon markets and how companies can capitalize on them.



Dana Agrotti

Low Carbon
Markets Analyst

Carbon Market Fundamentals

Compliance Carbon Markets & Pricing

The Voluntary Carbon Markets

Article 6 & Global Carbon Linkages

Opportunities for Industry

Overview of the sustainability products, insights, and solutions helping companies meet their needs in the carbon ecosystem.

Corporate strategies for carbon management

Carbon market Investments; NBS
& Biodiversity Potential

Online masterclass

CCUS Markets



Yufei Li

Senior Research Analyst,
Carbon Management/
Carbon Capture Utilization
& Storage (CCUS)

This session provides an overview status and potential role of Carbon Capture, Utilization, and Storage (CCUS) in the energy transition. Delve into market conditions, global policies, the CCUS value chain, project pipelines, cost analyses, and long-term outlooks for CO₂ capture installations.

Status of the CCUS Market

The potential role of CCUS in the energy transition

Overview of current market conditions

Summary of global policy

The CCUS Value Chain

Overview of the value chain

Global CCUS project pipeline progress by segment

Cost analysis of CO₂ capture, transportation, and storage.

Overview of CO₂ utilization

Engineered carbon dioxide removal

Overview of technologies and market trends

Long-Term Global Outlook for CO₂ capture installations

S&P Global Energy's base case outlook for both near-term (2030) and long-term (2050) CO₂ capture installations

Summary and discussion of key course topics

Online masterclass

Decarbonizing Aviation: CORSIA



Charlotte Radford

Associate Director,
Price Reporting,
Energy Transition



Silvia Favasuli

Manager, Price
Reporting, Energy
Transition

This masterclass is designed to help energy companies understand the business impact of CORSIA and prepare for upcoming changes in aviation emissions regulations. It explains how CORSIA's carbon credit price benchmarks are established, and explores their influence on international aviation emissions and decarbonization efforts.

Emission Offsetting & Reduction

Understand the CORSIA framework and how emissions data drives offsetting and reduction strategies.

CORSIA Market Analysis

Learn what compliance and offsetting data mean for the global aviation sector.

Offsetting Methodologies

Explore how CORSIA is implemented for international flights.

CORSIA Benchmarks Overview

Review the role of price benchmarks in aviation decarbonization.

Comparing Schemes

See how CORSIA differs from other carbon reduction programs.

Daily Benchmark Assessment

Gain insights into daily emissions benchmark evaluations for compliance.

Global Decarbonization Insights

Discover how CORSIA and benchmarks shape aviation's decarbonization worldwide

Online masterclass

Tariffs Impact on Energy Trading



Chris Rogers

Head of Supply Chain
Research at S&P Global
Market Intelligence

This session explores how tariffs and protectionist policies shape energy supply chains. This session covers trade history, U.S. policy drivers, and the complex mechanics of duties. Understand impacts on sourcing, costs in oil and gas, and distortions in renewables—where critical minerals mark the latest battleground.

Overview

Where next for tariffs:

A history of tariffs in the energy sector, the drivers of U.S. trade policy and the future for protectionist action

Hitchhikers' guide to duties:

Tariffs aren't as simple as a social media posting, with details ranging from regional content values to exemptions driving the precise impact of how tariffs affect supply chain decision-making.

Sourcing pipelines:

The oil and gas drilling, distribution and refining sectors are dealing with elevated metals rates as well as capital equipment duties; that's raising costs and there are few opportunities for cheaper sourcing.

Dark skies:

The renewable energy sector has been beset by trade protectionism and investment supports globally, distorting the structure of trade for the foreseeable future. Critical minerals are the latest battleground.

Online masterclass



Rafael Castro

Credit Product
Specialist, Credit & Risk
Solutions

Financial Statements & Ratio Analysis

This masterclass gives you a practical overview of how to read and analyze financial statements—balance sheet, income statement, and cash flow statement—plus key ratios to assess the financial health of energy majors.

Balance Sheet

Learn what it shows (company's financial position), its basic structure, and how it connects to other statements.

Balance Sheet

Understand asset mix, capital structure, and working capital using simple comparisons and trends.

Income Statement

See how performance is measured (revenues, expenses, profits) and how profits affect the balance sheet.

Income Statement Analysis

Review margins, earnings quality, and compare results across companies and time.

Cash Flow Statement

Discover why cash flow differs from earnings and how cash is categorized.

Cash Flow Analysis

Interpret cash generation and reinvestment, and link cash flow to the balance sheet.

Ratio Analysis

Use ratios to quickly summarize financial statements and compare liquidity, profitability, leverage, and efficiency.

About S&P Global Energy

At S&P Global Energy, our complete view of global energy and commodity markets enables our customers to make decisions with conviction and create long-term, sustainable value.

We're a trusted connector that brings together thought leaders, market participants, governments and regulators, and we create solutions that lead to progress.

Vital to navigating commodity markets, our coverage includes oil and gas, power, chemicals, metals, agriculture, shipping and energy transition. Platts® products and services, including the most significant benchmark price assessments in the physical commodity markets, are offered through S&P Global Energy.

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S&P Global is the world's foremost provider of credit ratings, benchmarks, analytics and workflow solutions in the global capital, commodity and automotive markets. With every one of our offerings, we help many of the world's leading organizations navigate the economic landscape so they can plan for tomorrow, today. For more information visit www.spglobal.com/energy.

For more information about our training solutions:

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