

Refineries and Petrochemical Industries

Istanbul (Turkey)

2 - 6 March 2025

UK Traininig

PARTNER



Refineries and Petrochemical Industries

Code: OG28 From: 2 - 6 March 2025 City: Istanbul (Turkey) Fees: 4400 Pound

Introduction

Refineries and petrochemical industries play a crucial role in the processing and transformation of crude oil and other hydrocarbon resources into valuable products such as fuels, chemicals, plastics, and various materials. These industries contribute significantly to the global energy supply, manufacturing sector, and economic development. In this outline, we will cover the objectives and a five-day plan to explore refineries and petrochemical industries.

Course Objectives

- Understand the fundamentals of refineries and petrochemical industries, including their significance in the energy and manufacturing sectors.
- Learn about the various processes involved in refining crude oil and transforming it into different petroleum products.
- Explore the key technologies and equipment used in refineries and petrochemical plants.
- Gain insights into the major challenges and environmental considerations associated with these industries.
- Discover the future trends and innovations shaping the refineries and petrochemical industries.

Course Outline

Day 1

Introduction to Refineries and Petrochemical Industries

- Overview of refineries and petrochemical industries
- Importance and role in the energy and manufacturing sectors
- Major products produced and their applications

Day 2

Crude Oil Refining Processes

- Overview of crude oil composition and properties
- Distillation and separation processes
- Conversion processes: cracking, reforming, and alkylation
- Treatment processes: desulfurization, hydrogenation, and hydrodesulfurization

Day 3

Petrochemical Industry and Processes

- Introduction to petrochemicals and their applications
- Steam cracking and olefin production



- Aromatics production: benzene, toluene, and xylene
- Polymerization processes for plastics production

Day 4

Technologies and Equipment in Refineries and Petrochemical Plants

- Key equipment and units in refineries: distillation towers, reactors, and separators
- Catalysts and their Role in various processes
- Overview of petrochemical plant layout and equipment: furnaces, compressors, and distillation columns

Day 5

Challenges, Environmental Considerations, and Future Trends

- Environmental Impacts and sustainability challenges in Refineries and petrochemical industries
- Efforts to minimize environmental footprint: emission control and waste management
- Emerging trends and technologies: renewable feedstocks, circular economy, and digitalization
- The future outlook for refineries and petrochemical industries



Blackbird Training Cities

Europe

izmir



Podgorica (Montenegro)



Stockholm (Sweden)



Lyon (France)



Copenhagen (Denmark)



Bordeaux (France)



Annecy (France)



Oslo (Norway)



Edinburgh (UK)



Glasgow (Scotland)



Malaga (Spain)



London (UK)



Istanbul (Turkey)



Amsterdam (Netherlands)



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Manchester (UK)



Milan (Italy)

USA & Canada



Los Angeles (USA)



Florida (USA)



Online



Boston (USA)



Washington (USA)



Miami (USA)



New York (USA)



Toronto (Canada)



Blackbird Training Cities

Asia



Baku (Azerbaijan)



Maldives (Maldives)



Manila (Philippines)



Bali (Indonesia)



Bangkok (Tailand)



Beijing (China)



Moscow (Russia)
(Malaysia)



Singapore (Singapore)



Sydney (Australia)



Tokyo (Japan)



Dubai (UAE)



Kuala Lumpur



Jakarta (Indonesia)

Africa



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Marocco)



Nairobi (Kenya)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients



UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Refinement

Technical Courses

Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



International House 185 Tower Bridge
Road London SE1 2UF United Kingdom



+44 7401 1773 35
+44 7480 775526



training@blackbird-training.com



www.blackbird-training.com

UK Training

PARTNER

