

Petrochemical Plant Projects Cost Estimation & Control

Oil & Gas Engineering
Barcelona (Spain)
25 - 29 Aug 2025

UK Traininig

PARTNER

A large, detailed image of chess pieces on a checkered board. In the foreground, a gold king piece stands prominently on a white square. To its left, a silver pawn piece is on a white square. Further back, another silver pawn piece is on a white square. The background features concentric circles and a checkered pattern, suggesting a strategic or competitive theme.

Petrochemical Plant Projects Cost Estimation & Control

Ref: 321555_130754 **Date:** 25 - 29 Aug 2025 **Location:** Barcelona (Spain) **Fees:** 4400 **Euro**

Course Description

This comprehensive 5-day course provides in-depth knowledge and practical skills for cost estimation and control in petrochemical plant projects. Participants will learn industry-standard methodologies, best practices, and advanced techniques to accurately estimate costs, manage budgets, and implement effective cost control strategies. The course combines theoretical concepts with real-world case studies and hands-on exercises.

Learning Objectives

- Master various cost estimation techniques specific to petrochemical plant projects
- Develop skills to create accurate and reliable cost estimates at different project stages
- Learn to implement effective cost control measures throughout the project lifecycle
- Understand risk assessment and contingency planning in cost estimation
- Gain proficiency in using industry-standard software tools for cost estimation and control

Course Modules

Day 1: Introduction to Cost Estimation in Petrochemical Projects

- Overview of petrochemical plant projects and their unique challenges
- Types of cost estimates and their accuracy levels
- Cost estimate classification systems AACE, ANSI
- Key factors influencing cost estimation in petrochemical projects

Day 2: Cost Estimation Methodologies

- Factor estimating method and its application
- Parametric estimating techniques
- Quantity take-off and unit rate estimating
- Resource-based estimating for labor and equipment

Day 3: Advanced Cost Estimation Techniques

- Monte Carlo simulation for cost risk analysis
- Estimating brownfield project costs
- Life cycle cost analysis for petrochemical plants
- Value engineering in cost estimation

A graphic of a chessboard with several chess pieces (king, queen, rook, knight, and pawns) in gold and silver. The text 'UK Training PARTNER' is overlaid on the board.

UK Training
PARTNER

Day 4: Cost Control Strategies

- Developing project budgets and cost baselines
- Earned Value Management EVM principles
- Change management and cost impact analysis
- Progress measurement and forecasting techniques

Day 5: Tools and Best Practices

- Industry-standard software tools for cost estimation and control
- Data management and cost databases
- Benchmarking and continuous improvement in cost estimation
- Case studies and practical exercises

Practical Wins for Participants

- Ability to create accurate cost estimates for petrochemical plant projects using various methodologies
- Skills to implement effective cost control measures and manage project budgets efficiently
- Proficiency in using industry-standard software tools for cost estimation and control
- Enhanced decision-making capabilities for project financial management

A graphic of a chessboard with several chess pieces. A large gold king piece is prominent in the foreground, with a silver pawn and a silver knight behind it. The board has a checkered pattern, and there are concentric circles in the background.

UK Training
PARTNER

Blackbird training cities



Amman (Jordan)



Amsterdam (Netherlands)

Accra (Ghana)

Annecy (France)

Baku (Azerbaijan)

Bali (Indonesia)

Bangkok (Thailand)

Bangkok (Thailand)

Barcelona (Spain)

Batumi (Georgia)

Beijing (China)

Beirut (Lebanon)

Berlin (Germany)

Birmingham (UK)

Bordeaux (France)

Boston, Massachusetts (USA)

Brussels (Belgium)

Cairo (Egypt)

Cape Town (South Africa)

Casablanca (Morocco)

Cascais (Portugal)

Copenhagen (Denmark)

Doha (Qatar)

Dubai (UAE)

Düsseldorf (Germany)

UK Training
PARTNER

Blackbird Training Category



Human Resource



Audit & Quality Assurance



Finance, Accounting, Budgeting



Marketing, Sales, Customer Service



Secretary & Admin



Law and Contract Management



Project Management



IT & IT Engineering



Supply Chain & Logistics



Management & Leadership



Professional Skills



Oil & Gas Engineering



Health & Safety



Telecom Engineering



Hospital Management



Customs & Safety



Aviation



C-Suite Training



Agile and Refinement



Blackbird training Clients



MANNAI Trading
Company WLL,
Qatar



Alumina Corporation
Guinea



Booking.com
Netherlands



Oxfam GB International
Organization,
Yemen



Capital Markets
Authority,
Kuwait



Waltersmith Petroman Oil Limited
Nigeria



Qatar National Bank
(QNB),
Qatar



Qatar Foundation,
Qatar



AFRICAN UNION ADVISORY
BOARD ON CORRUPTION,
Tanzania



KFAS
Kuwait



Reserve Bank of
Malawi,
Malawi



Central Bank of Nigeria
Nigeria



Ministry of Interior
Kingdom of Saudi Arabia
KSA



Mabruk Oil Company
Libya



Saudi Electricity
Company,
KSA



BADAN PENGELOLA
KEUANGAN Haji,
Indonesia



NATO
Italy



ENI CORPORATE
UNIVERSITY,
Italy



Gulf Bank
Kuwait



General Organization for
Social Insurance
KSA



Defence Space Administration
Nigeria



National Industries
Group (Holding),
Kuwait



Hamad Medical
Corporation,
Qatar



USAID
Pakistan



STC Solutions,
KSA



North Oil company,



EKO Electricity



Oman Broadband



UNITED NATIONS
UN.



Authority for
Electricity Regulation, Oman

UK Training
PARTNER



LONDON TRAINING PROVIDER



www.blackbird-training.com



training@blackbird-training.com



+44 7480 775526 / +44 7401 177335