

Shutdown, Turnaround & Maintenance Cost Optimization

London (UK)

28 September - 2 October 2026

UK Training

PARTNER



Shutdown, Turnaround & Maintenance Cost Optimization

Code: OG32 From: 28 September - 2 October 2026 City: London (UK) Fees: 6100 Pound

Introduction

This advanced five-day course provides a practical and managerial approach to planning, executing, and controlling major shutdowns and turnarounds. It focuses on **scope optimization, work-pack readiness, scheduling, contractor productivity, cost control, risk management, quality, startup readiness, and continuous improvement.**

Course Objectives

By the end of this course, participants will be able to:

- Develop effective turnaround strategies and objectives.
- Challenge, optimize, prioritize, and control turnaround scope.
- Develop work packages and assess execution readiness.
- Build and control integrated turnaround schedules.
- Apply Critical Path Method CPM and manage critical activities.
- Optimize manpower, materials, equipment, and contractors.
- Manage contractor productivity and performance.
- Identify and mitigate turnaround risks.
- Establish budgets, track costs, and forecast final expenditure.
- Apply quality assurance and control during execution.
- Manage startup, commissioning, handover, and return-to-service readiness.
- Measure performance, benchmark results, capture lessons learned, and drive improvement.

Course Outline - 5 Days

Day 1 - Turnaround Strategy & Scope Optimization

- Turnaround strategy and lifecycle
- Objectives and success criteria
- Scope identification, challenge, validation, and prioritization
- Scope optimization and value-based decisions
- Scope freeze and change control
- Governance and responsibilities

Day 2 - Planning, Work-Packs, Scheduling & Resources



- Integrated turnaround planning
- WBS and work-pack development
- Work-pack readiness assessment
- Activity sequencing and duration estimation
- CPM and critical-path management
- Schedule constraints and milestones
- Manpower, materials, equipment, and contractor planning
- Execution readiness

Day 3 - Execution, Risk, Contractors & Quality

- Execution control and progress monitoring
- Contractor productivity and performance
- Risk assessment and mitigation
- Permit-to-work and SIMOPS
- Schedule deviation and recovery planning
- Quality assurance and quality control
- Inspection, punch lists, and rework management

Day 4 - Cost Optimization & Forecasting

- Turnaround cost structures and budgeting
- Cost estimation and baseline development
- Cost tracking and reporting
- Cost forecasting and Estimate at Completion EAC
- Scope growth and change-order control
- Contractor and procurement cost optimization
- Productivity and cost efficiency

Day 5 - Startup, Performance & Continuous Improvement

- Startup and commissioning readiness
- Mechanical completion and handover
- Punch-list closure and return-to-service readiness
- KPI and performance measurement
- Cost, schedule, productivity, and quality performance
- Downtime and production-loss measurement
- Lessons learned and Root Cause Analysis
- Turnaround benchmarking and improvement roadmap

Why Attend This Course?

Wins



- Optimized turnaround scope
- Better work-pack readiness
- Improved critical-path and schedule control
- Higher contractor productivity
- Stronger cost forecasting and control
- Improved quality and risk management
- Faster startup and reduced downtime
- Effective benchmarking and continuous improvement

Potential Losses Without These Capabilities

- Scope creep and unnecessary expenditure
- Schedule and critical-path delays
- Contractor productivity problems
- Cost overruns
- Quality failures and rework
- Delayed startup
- Increased production losses
- Repeated turnaround problems

Conclusion

This course equips managers and turnaround professionals with the tools to **plan, optimize, execute, control, and improve major shutdowns and turnarounds**, balancing **time, cost, quality, reliability, risk, and operational performance**.

FAQ

Who should attend?

Maintenance Managers, Turnaround Managers, Shutdown Managers, Asset Managers, Maintenance Engineers, Planners, Planning Managers, and related professionals.

Is it an advanced course?

Yes. It is designed for experienced professionals and managers.

What is the duration?

5 days, 4 hours per day — 20 training hours.

Does it cover all key turnaround requirements?

Yes. It covers **strategy, scope optimization, work-pack readiness, scheduling, critical-path**





management, contractor productivity, cost forecasting, risk, quality, startup readiness, lessons learned, and benchmarking.

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com

UK Training

PARTNER



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,
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



Blackbird Training Categories

Management & Admin

Entertainment & Leisure
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 Elevation

Technical Courses

Artificial Intelligence (AI)
Sustainability, ESG & Corporate Responsibility
Advanced 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

