

5 Days Workshop: Telecommunication System Engineering

Telecom Engineering
Düsseldorf (Germany)
27 - 31 Oct 2025

UK Traininig

PARTNER



5 Days Workshop: Telecommunication System Engineering

Ref: 321819_147585 **Date:** 27 - 31 Oct 2025 **Location:** Düsseldorf (Germany) **Fees:** 4200 Euro

Course Description

This intensive 5-day workshop provides a comprehensive overview of telecommunication system engineering. Participants will gain in-depth knowledge of network architecture, digital transmission systems, wireless communications, and emerging technologies. The course combines theoretical concepts with practical applications, preparing engineers for the challenges of modern telecommunications.

Learning Objectives

- Understand the fundamentals of telecommunication system architecture and design
- Master digital transmission techniques and protocols
- Analyze wireless communication systems and mobile networks
- Explore emerging technologies in telecommunications
- Develop skills in network planning and optimization

Course Modules

Day 1: Introduction to Telecommunication Systems

- Overview of telecommunication networks
- System engineering principles
- Network architecture and protocols
- Transmission media and signal propagation

Day 2: Digital Transmission Systems

- Digital modulation techniques
- Multiplexing and multiple access methods
- Error detection and correction
- Optical fiber communications

Day 3: Wireless Communication Systems

- Cellular network principles
- Mobile network technologies 2G to 5G
- Wireless LAN and satellite communications
- Radio frequency planning and management

UK Training

PARTNER



Day 4: Network Management and Security

- Network performance monitoring
- Quality of Service QoS management
- Cybersecurity in telecommunications
- Disaster recovery and business continuity

Day 5: Emerging Technologies and Future Trends

- Internet of Things IoT in telecommunications
- Cloud-based network services
- Software-defined networking SDN
- 6G and beyond: future of telecommunications

Practical Wins for Participants

- Ability to design and optimize telecommunication networks
- Skills to troubleshoot complex system issues
- Knowledge to implement cutting-edge technologies
- Expertise to lead telecommunication projects effectively

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 nearby. In the background, there are concentric circles emanating from a point, suggesting a signal or network. The text 'UK Training' is above the word 'PARTNER' in a bold, black, sans-serif font.

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

UK Training
PARTNER



LONDON TRAINING PROVIDER



www.blackbird-training.com



training@blackbird-training.com



+44 7480 775526 / +44 7401 177335