

# Satellite Link Budget Analysis with SatMaster Pro Training

Telecom Engineering  
Casablanca (Morocco)  
25 - 29 Aug 2025

UK Traininig

# PARTNER



## Satellite Link Budget Analysis with SatMaster Pro Training

**Ref:** 321387\_139353 **Date:** 25 - 29 Aug 2025 **Location:** Casablanca (Morocco) **Fees:** 3300 Euro

### Course Description

This intensive 5-day course provides comprehensive training on satellite link budget analysis using SatMaster Pro software. Participants will gain in-depth knowledge of satellite communication principles, link budget calculations, and practical applications across various frequency bands and satellite systems.

### Learning Objectives

- Understand fundamental concepts of satellite communications and link budgets
- Master the use of SatMaster Pro software for link budget calculations
- Analyze and optimize satellite network performance across different scenarios
- Apply link budget techniques to real-world satellite communication challenges
- Interpret and troubleshoot link budget results for various satellite systems

### Course Modules

#### Day 1: Introduction to Satellite Communications and Link Budgets

- Satellite communication basics and frequency bands
- Link budget fundamentals and components
- Introduction to SatMaster Pro interface and features
- Basic link budget calculations using SatMaster Pro

#### Day 2: Advanced Link Budget Concepts and Calculations

- Detailed analysis of link budget parameters
- Atmospheric and environmental effects on link budgets
- Modulation and coding techniques in satellite communications
- Hands-on exercises with complex link budget scenarios

#### Day 3: VSAT Systems and Interactive Services

- VSAT network architecture and link budget considerations
- Two-way interactive satellite services
- Link budget analysis for VSAT networks using SatMaster Pro
- Optimization techniques for VSAT link budgets

#### Day 4: Mobile Satellite Systems and Non-GEO Constellations

UK Training

**PARTNER**



- Link budgets for mobile satellite terminals
- LEO and MEO satellite constellation analysis
- Dynamic link budget calculations for non-GEO systems
- Practical exercises using SatMaster Pro for mobile and non-GEO scenarios

## **Day 5: Advanced Applications and Real-world Case Studies**

- Multi-beam satellite systems and interference analysis
- Link budget considerations for emerging satellite technologies
- Troubleshooting and optimizing link budgets
- Case studies and group projects using SatMaster Pro

## **Practical Wins for Participants**

- Ability to perform accurate link budget calculations for various satellite systems
- Proficiency in using SatMaster Pro software for professional applications
- Skills to optimize and troubleshoot satellite network performance
- Confidence in applying link budget analysis to real-world satellite communication challenges

## 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



المؤسسة العامة للتأمينات الاجتماعية  
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.



هيئة تنظيم الكهرباء - عمان  
Authority for

UK Training  
**PARTNER**



**LONDON TRAINING PROVIDER**



[www.blackbird-training.com](http://www.blackbird-training.com)



[training@blackbird-training.com](mailto:training@blackbird-training.com)



+44 7480 775526 / +44 7401 177335