

Fundamental of Submarine Cables

Telecom Engineering
Malaga (Spain)
24 - 28 Feb 2025

UK Traininig

PARTNER



Fundamental of Submarine Cables

Ref: 321711_144605 **Date:** 24 - 28 Feb 2025 **Location:** Malaga (Spain) **Fees:** 4400 Euro

Introduction

Submarine cables are communication cables that are laid on the ocean floor to connect continents, islands, and countries. These cables transmit a vast amount of data, including internet traffic, phone calls, and video signals, across the world.

Objectives

The primary objective of submarine cables is to connect countries and regions globally, enabling seamless communication between people, businesses, and governments. Additionally, submarine cables provide fast, reliable, and secure communication services, supporting international trade, finance, research, and development.

Course Outlines

Day 1

Introduction to Submarine Cables

- Overview of submarine cables and their importance
- History of submarine cables
- Types of submarine cables
- Cable route planning and surveying

Day 2

Submarine Cable Design and Construction

- Cable design principles and materials
- Cable manufacturing and testing
- Cable laying techniques and equipment
- Maintenance and repair of submarine cables

Day 3

UK Training

PARTNER



Submarine Cable System Components

- Optical fiber technology and transmission systems
- Cable landing stations and shore-end facilities
- Submarine repeaters and branching units
- Power feeding and monitoring systems

Day 4

Submarine Cable Operations and Management

- Cable system operation and maintenance procedures
- Quality assurance and control processes
- Cable fault detection and repair techniques
- Submarine cable security and protection measures

Day 5

Future Trends in Submarine Cables

- Emerging technologies and innovations in submarine cables
- Future demands for submarine cable systems
- Environmental Impacts and sustainability considerations
- Case studies of successful submarine cable projects

Blackbird training cities

Accra1 (Ghana)

Amman (Jordan)

Amsterdam (Netherlands)

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 Traininig
PARTNER



Blackbird Training Category



Human Resources



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



UK Training
PARTNER



BLACKBIRD
FOR TRAINING

LONDON TRAINING PROVIDER



www.blackbird-training.com



training@blackbird-training.com



+44 7480 775526 / +44 7401 177335