

Comprehensive CCTV System Design and Implementation Course

IT & IT Engineering
Paris (France)
21 - 25 Jul 2025

UK Training

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Comprehensive CCTV System Design and Implementation Course

Ref: 321767_146226 **Date:** 21 - 25 Jul 2025 **Location:** Paris (France) **Fees:** 4400 Euro

Course Description

This comprehensive 5-day course covers all aspects of CCTV system design and implementation. Participants will learn about system components, design principles, installation planning, and advanced features. The course combines theoretical knowledge with practical exercises to provide a well-rounded understanding of CCTV technology and its applications.

Learning Objectives

- Understand CCTV system components and their functions
- Master the principles of effective CCTV system design
- Learn to create detailed installation plans and documentation
- Gain knowledge of advanced CCTV features and analytics
- Develop skills in troubleshooting and maintaining CCTV systems
- Understand legal and ethical considerations in CCTV deployment

Course Modules

Day 1: Introduction to CCTV Systems

- Overview of CCTV technology and applications
- Types of CCTV cameras and their characteristics
- Video management systems VMS and storage solutions
- Network infrastructure for CCTV systems

Day 2: CCTV System Design Principles

- Site survey and risk assessment techniques
- Camera placement and coverage planning
- Lighting considerations for optimal video quality
- Bandwidth and storage capacity calculations

Day 3: Installation Planning and Documentation

- Creating detailed system schematics and layouts
- Cable routing and infrastructure planning
- Power requirements and backup solutions
- Developing comprehensive project documentation

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Day 4: Advanced CCTV Features and Analytics

- Video analytics and intelligent event detection
- Integration with access control and alarm systems
- Remote monitoring and mobile access solutions
- Cloud-based CCTV systems and considerations

Day 5: System Maintenance and Legal Considerations

- Troubleshooting common CCTV system issues
- Preventive maintenance schedules and procedures
- Legal and ethical aspects of CCTV deployment
- Future trends in CCTV technology

Practical Wins for Participants

- Ability to design and plan comprehensive CCTV systems
- Skills to create professional documentation for CCTV projects
- Knowledge to implement advanced CCTV features and analytics
- Understanding of legal and ethical considerations in CCTV deployment

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