

SuDS Design, Implementation & Management Training Course

2027 00000 20 – 16
Barcelona (Spain)

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SuDS Design, Implementation & Management Training Course

~~R20222995~~ ~~2203616~~ **Location:** Barcelona (Spain) **Fees:** 5900 GBP

Course Description

This comprehensive 5-day course covers the principles, design, implementation, and management of Sustainable Drainage Systems SuDS. Participants will gain in-depth knowledge of SuDS components, design methodologies, and best practices for effective implementation and long-term management. The course combines theoretical concepts with practical case studies and hands-on exercises to provide a well-rounded learning experience.

Learning Objectives

- Understand the principles and objectives of Sustainable Drainage Systems
- Master SuDS design techniques for various urban and rural environments
- Learn to implement SuDS components effectively in different project contexts
- Develop skills for long-term management and maintenance of SuDS
- Gain practical experience through case studies and design exercises

Course Modules

Day 1: Introduction to SuDS

- Principles and objectives of Sustainable Drainage Systems
- Regulatory framework and planning requirements
- Benefits of SuDS: flood risk management, water quality, and biodiversity
- SuDS components and their functions

Day 2: SuDS Design Principles

- Site assessment and data collection
- Hydrological calculations and modeling
- Design criteria and standards
- Integration of SuDS with existing infrastructure

Day 3: SuDS Components and Design

- Permeable surfaces and infiltration systems
- Bioretention systems and rain gardens
- Swales, filter strips, and detention basins
- Green roofs and rainwater harvesting

A graphic of a chessboard with several chess pieces (a king, a queen, a rook, and a pawn) positioned on it. The board is white and black, and the pieces are gold and silver.

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Day 4: SuDS Implementation

- Construction techniques and materials
- Cost considerations and value engineering
- Stakeholder engagement and communication
- Case studies of successful SuDS implementations

Day 5: SuDS Management and Maintenance

- Long-term management strategies
- Monitoring and performance assessment
- Maintenance requirements and schedules
- Adaptive management and system optimization

Practical Wins for Participants

- Ability to design effective SuDS solutions for various project types
- Skills to implement SuDS components in challenging urban environments
- Knowledge to develop long-term management plans for SuDS
- Confidence to engage with stakeholders and communicate SuDS benefits

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