

## Planning for Sustainable Urban Development

*Barcelona (Spain)*

*9 - 13 December 2024*

UK Training

# PARTNER



# Planning for Sustainable Urban Development

Code: NC28 From: 9 - 13 December 2024 City: Barcelona (Spain) Fees: 5100 Pound

## Introduction

Sustainable Urban Development training is focused on planning, development, and sustainability of urban centers that are existing or being developed, as they all share the same or similar characteristics, which are: high concentration of people in a limited space, high requirement for transportation, dependence on outside resources and creation of pollution and waste.

As the challenges mount the sustainability of these urban centers is challenged as they need to invest more and more in tackling the issues. This training course is designed to present the participants with the solutions for these problems with a focus on developing urban environments in a way that will make them sustainable in terms of living, transportation, climate change, and finances.

## Course Objectives

- Properly assess the demographics of the cities.
- Adequately determine possible settlement transitions associated with urban development.
- Determine policies for ensuring energy security in urban development.
- Chart and develop pathways to sustainable road transport.
- Recognize the influence of automated rail on urban mobility.
- Develop methods for ensuring the financial sustainability of urban development.

## Course Outline

### Day 1

#### Sustainable Urban Development Introduction

- Cities of the Past and Cities of the Future.
- Housing.
- Transportation.
- Infrastructure.
- Ecology.
- Policy and Governance of Urban Planning.
- Examples of Sustainable Urban Planning for the Cities.

### Day 2

#### Influence of Urban Growth on Sustainability

- Growth Models.
- Urban Demographics and Settlement.
- Capacity Planning for Urban Infrastructure.



- Scarcity of Natural Resources for Urban Centers.
- Sustainable Living Environment Planning.
- Dealing with the Remnants of the Past.

### Day 3

#### The Sustainability of Economics

- Housing Bubbles
- Risky Models of Urban Development Financing
- Painful Lessons of Economic Slowdown
- Financial Sustainability of Urban Development
- Ensuring the Financing of Critical Services

### Day 4

#### Sustainable Mobility

- Sustainable Road Transport.
- Capacity Planning.
- Parking Issues.
- Reserve Capacity.
- Rail Transport.
- Water Transport.
- Air Transport.
- Multimodal Transport.
- Resources and Delivery Planning.

### Day 5

#### Sustainable Urban Development in the Age of Digital Technologies

- Use of Data for Urban Planning.
- Development of Smart Cities.
- Use of Simulation for Creating the Digital Twins of the Cities.
- Centralized Traffic Monitoring and Control.
- Assurance of Compliance.
- Maintenance Sustainability.



# Blackbird Training Cities

## Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Anney (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)  
(Netherlands)



Podgorica (Montenegro)



Batumi (Georgia)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



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Seattle, Washington (USA)



Washington DC (USA)



In House



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Toronto (Canada)

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(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney (Australia)



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City (Kuwait)



Pulau Ujong (Singapore)



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Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



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Professional Skills  
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Project Management  
Human Resources  
Audit & Quality Assurance  
Marketing, Sales, Customer Service  
Secretary & Admin  
Supply Chain & Logistics  
Management & Leadership  
Agile and Elevation

### Technical Courses

Hospital Management  
Public Sector  
Special Workshops  
Oil & Gas Engineering  
Telecom Engineering  
IT & IT Engineering  
Health & Safety  
Law and Contract Management  
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**BLACKBIRD**  
FOR TRAINING



International House 185 Tower Bridge  
Road London SE1 2UF United Kingdom



+44 7401 1773 35  
+44 7480 775526



Sales@blackbird-training.com



www.blackbird-training.com

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