€TRAINING

Traffic Project From Idea to Construction

24 - 28 June 2024
London (UK)
Landmark Office Space

Traffic Project From Idea to Construction

REF: N1946 DATE: 24 - 28 June 2024 Venue: London (UK) - Landmark Office Space Fee: 6375 Euro

Introduction:

This training program, Traffic Project From Idea to Construction is focused on planning, managing, and designing traffic in traffic projects for current or developing rural and urban areas. This is intended to outline the delegates' issues and potential fixes for some of the traffic issues, including time travel, network connectivity, route optimization on long-distance routes, and city congestion, among others.

Orogram Objectives:

At the end of this program the participants will be able to:

- How to map out the country's road traffic route.

- Recognize the fundamentals of road planning and design.

- design traffic signaling that is both horizontal and vertical.

- Create simulations of traffic.

- Learn about additional traffic management strategies used throughout the world that they can successfully use.

Targeted Audience:

- Urban Planners.

- Architects involved in Urban Planning and Design.

- Project Managers.

- Traffic and Transport Engineers.

- Strategic Development Personnel in Government.

- Engineering Technologist and Project Managers.

Program Outline:

Unit1:

Long-distance Traffic Planning:

- Introduction.

- Why and how are the traffic plans made?

- Urban Planning.

- Data Analysis, Forecast and Predictions.

- Feasibility Study.

- Political Decisions.

Unit2:

Organizing Traffic in Urban Areas:

- Planning the Routes Using the Traffic Matrix: Roads, Streets, and Paths.

- Planning the components of the roads according to Traffic Intersections, Street Widths, Vehicle Lane, Bicycle Paths, Parking Spaces, Pedestrian Paths.

- Planning the Traffic Elements by Defining Type of Street Intersections, Traffic Volume and Traffic Speed.

Unit3:

Traffic Control and Management:

- Real traffic, simulations, and traffic flow theory.

- principles and methods for managing and regulating traffic.

- Congestion in the Network and Potential Fixes.

- Technologies and Methods for Traffic Regulation, Monitoring Traffic and for vehicle identification and navigation.

- The traffic control center.

Unit4:

Traffic Engineering and Design:

- Installation of traffic signs and markings.

- Differential Message Signs.

- Traffic Control During Construction Temporarily.

- Traffic Signal Operations Design.

- Controlling construction projects.

Unit5:

New Trends and Technologies:

- Information Systems to Controllers and Response Services, and to Users.

- Intelligent Traffic Systems.

- Utilizing Mobility Data for Urban Development and Planning.

- Social Media and Traffic.