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# SC100:
# Transport Infrastructure Performance and Maintenance

## Training Description:

Transport and road authorities around the world deliver and manage infrastructure for communities. It is therefore important that these assets are managed sustainably and efficiently, to ensure they continue to meet the expectations of all stakeholders. Rapid changes in technology, are motivating Transport Infrastructure Managers around the world to build on their knowledge, in order to deliver transport systems that meet current and future infrastructure requirements.

This Transport Infrastructure Performance and Maintenance course is an intensive training program, exclusively designed to provide performance and maintenance managers the opportunity to understand the system of practice utilized globally. The primary objective of the program is to broaden their vision and professional understanding of various challenges, concepts and best practices.

This course will facilitate knowledge sharing through group workshops, using global project delivery examples. Day to day practical project experiences and team exercises will allow participants to engage and become better equipped to manage the delivery and processes of infrastructure maintenance. The key goal of this training is to broaden the perspective of participants and highlight the necessary tools needed to successfully manage transport and infrastructure maintenance.

## Training Objectives:

By the end of the training, participants will be able to:

- ✓ Enhance the professional understanding of key performance management, reporting and maintenance management systems
- ✓ Explain network vision and the critical role of performance and maintenance reporting, on the overall organizational funding and delivery strategies
- ✓ Gain knowledge on all key areas of transport infrastructure performance and maintenance management systems
- ✓ List various infrastructure funding options to successfully achieve performance and maintenance management objectives
- ✓ Describe and demonstrate the importance of maintenance, governance and assurance processes
- ✓ Build responsiveness and understanding of performance and maintenance management practices
- ✓ Demonstrate the importance of effective transport infrastructure performance

## Training Designed for:

This course is intended for Senior Executives, Maintenance Managers, Planners, Engineers and Staff responsible for decision making and for delivering/managing transport performance and maintenance activities.

Target Competencies:

- Performance Reporting
- Maintenance Management Practices
- Infrastructure Project Funding
- Stakeholder Management
- Network Visions and Strategies
- Maintenance Governance

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## Training Requirement:

"Hand's on practical sessions, equipment and software will be applied during the course if required and as per the client's request."

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client's learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

## Training Program:

*DAY ONE:*

- PRE-TEST
- Introduction
- Transport Infrastructure Performance and Maintenance
  - Importance of performance assessment and reporting
  - Objectives, challenges, outcomes and options
  - Strategic transport planning and development
  - Transport infrastructure management system
  - Monitoring and reporting
  - Key performance indicators and targets

*DAY TWO:*

- Transport Infrastructure Funding options and strategies
  - Transport system network vision
  - Transport System Management Framework
  - Transport planning strategies and investment prioritization
  - Capital and maintenance funding options and programs
  - Transport system principles and performance
  - Program maintenance or rehab options analysis

*DAY THREE:*

- Transport Infrastructure Maintenance Practices
  - Asset Management System governance
  - Maintenance life cycle and international Asset Management Standard intervention strategies
  - Balanced investments in cost-effective transport infrastructure
  - Integrated transport system governance
  - Key performance indicators
  - Benefits realization

*DAY FOUR:*

- Infrastructure Maintenance and Contract Management
  - Maintenance management system
  - Reactive and preventive maintenance models
  - Maintenance scheduling
  - Infrastructure maintenance contracts

- Achieving value for money in a constrained economic environment
- Transport system safety and value for money

*DAY FIVE:*

❖ Project Finalization and Management Reporting
- Importance of project finalization
- Project close-out and system updates
- As constructed designs and their impact on future maintenance
- Project benefit management
- Key learning and concepts
- Way forward

❖ Course Conclusion

❖ POST-TEST and EVALUATION

## Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

## Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

## Training Fees:

**TBA as per the course location -** This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

## Training Timings:

**Daily Timings:**

| | |
|---|---|
| 07:45 - 08:00 | Morning Coffee / Tea |
| 08:00 - 10:00 | First Session |
| 10:00 - 10:20 | Recess (Coffee/Tea/Snacks) |
| 10:20 - 12:20 | Second Session |
| 12:20 - 13:00 | Recess (Prayer Break & Lunch) |
| 13:00 - 14:00 | Last Session |

For training registrations or in-house enquiries, please contact:
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