



**IREF**  
GLOBAL

# Road Infrastructure Asset Management

*Expert training by professionals, for professionals*

**Online Training  
January 11-21, 2021**



**Online Training**



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January 11-21, 2021

Online Workshop

## Background

This on-line training workshop will cover the principles, concepts, components, techniques and benefits of managing road infrastructure assets. The contents will be based on international practitioner handbooks as well as the hands-on experience of the course instructors. The workshop will teach the most relevant best practices as they relate to strategic asset management, tactical & technical asset management planning and operational asset management & service delivery.

The lectures will be taught over a two week period with live 2-hour on-line sessions held on Monday, Tuesday, Wednesday, and Thursday of each week. Upon completion of the training program, the IRF will administer an on-line knowledge test. Participants with a score of 80% of the exam will be awarded with a certificate verifying their successful completion of the course.

### Why Online?

- Earn 16 Professional Development Hours
- Expert training by professionals for Professionals: access IRF's unique curriculum and lectures developed by world-class specialists
- Accelerated learning processes: get up to speed and gain new insights in less time and with no travel constraints
- Full access to learning materials and session recordings
- Small classrooms & scheduled One-on-One sessions between with instructors
- Self-paced options available
- Interactive group projects and case studies
- Receive IRF Certification

## Learning Objectives

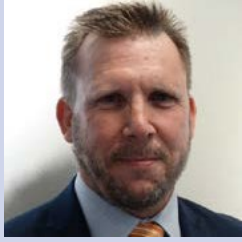
- ✓ Better understand each of the aspects of Strategic, Tactical and Operational Asset Management and their related functions
- ✓ Recognize the need to further develop asset management capacity and capability for their organization, and have methods to do so
- ✓ Understand the importance of 'aligning' asset management practices and approach to achieve organizational objectives
- ✓ Identify and develop appropriate delivery models for asset management and maintenance services that ensure optimum return on investment and excellent service delivery performance
- ✓ Understand how emerging infrastructure concerns, such as weather resilience, impact asset management functions
- ✓ Build and monitor financial plans for asset maintenance and renewal

# Schedule

**Monday - Thursday (7:00 AM– 9:00 AM US EST / 12:00 – 2:00 PM GMT)**

<b>Session 1: January 11 DEFINING AN ASSET MANAGEMENT SYSTEM APPROACH</b>	Session 1 learning objectives: <ul style="list-style-type: none"><li>• What is Asset Management?</li><li>• History &amp; Background</li><li>• Overview &amp; Principles</li><li>• Benefits &amp; Risks</li></ul>
<b>Session 2: January 12 STRATEGIC ASSET MANAGEMENT</b>	Session 2 learning objectives: <ul style="list-style-type: none"><li>• Defining the AMS and its role within the organisation</li><li>• What is a Road Asset Management System and how should it work?</li></ul>
<b>Session 3: January 13 DEVELOPING THE ASSET MANAGEMENT SYSTEM</b>	Session 3 learning objectives: <ul style="list-style-type: none"><li>• Developing an Asset Management Framework, Policy &amp; Strategy</li><li>• Implementing the Framework</li></ul>
<b>Session 4: January 14 TACTICAL &amp; TECHNICAL ASSET MANAGEMENT</b>	Session 4 learning objectives: <ul style="list-style-type: none"><li>• Developing Asset Management Plans</li><li>• Asset Data &amp; Information</li><li>• Works Order Management</li><li>• Routine / Cyclic Maintenance / Planned / Rehabilitation</li></ul>
<b>Session 5: January 18 ASSET DATA &amp; INFORMATION MANAGEMENT</b>	Session 5 learning objectives: <ul style="list-style-type: none"><li>• Asset Inventory &amp; Classification</li><li>• Asset Condition Assessment, Surveys &amp; Inspections</li><li>• Implementing Asset Management Systems &amp; Tools Effectively</li></ul>
<b>Session 6: January 19 LIFECYCLE PLANNING &amp; FORWARD WORKS DEVELOPMENT</b>	Session 6 learning objectives: <ul style="list-style-type: none"><li>• Whole of Life Considerations</li><li>• Deterioration Modelling</li><li>• Scenario / Option Analysis</li><li>• Investment Planning / Funding Levels / Business Cases</li><li>• Works Programming / Scheme Development</li></ul>
<b>Session 7: January 20 ASSET MANAGEMENT SERVICE DELIVERY MODELS</b>	Session 7 learning objectives: <ul style="list-style-type: none"><li>• Delivery of Works</li><li>• Outsourcing / Insourcing</li><li>• Contract Mechanisms</li></ul>
<b>Session 8: January 21 MANAGING ASSET &amp; SERVICE DELIVERY PERFORMANCE</b>	Session 8 learning objectives: <ul style="list-style-type: none"><li>• Service Levels &amp; Performance Metrics</li><li>• Implementing Performance Measurement</li><li>• Capability &amp; Capacity Development</li><li>• Risk Management</li><li>• Customer &amp; Communication Management</li></ul>

## Instructor



**Scott Bloxsom** is a Chartered Professional Engineer with over 25 years' experience in a wide range of asset management and engineering projects. Scott has worked extensively with both public and private sector clients in Australia, United Kingdom, Europe and the Middle East advising and implementing asset management principles and performance-based contract development, delivery and review.

He is the Principal and founder of Essency Consulting Limited, an asset management and contract services company delivering tailored services to clients in the infrastructure sectors.

He is a Chartered member of Engineers Australia, a member of the Institute of Asset Management (UK) and Asset Management Council of Australia, and a qualified assessor to the ISO55000 and PAS55:2008 Asset Management standards.

## Registration

- 1,700 USD IRF Members
- 2,000 USD Non IRF Members
- 1,400 USD (Groups of 3 or more)
- 1,000 USD IFIs, US State DOTs & City Officials

**Registration:** <https://www.irf.global/event/riam21-online-training/>

**For any support, please contact** [melabyad@irf.global](mailto:melabyad@irf.global)

# System Requirements

## Computer Requirements

### Operating System

*Windows 7 - Windows 10, Mac OS X 10.9 (Mavericks), macOS Catalina (10.15), Linux, Google Chrome OS, Android OS 5 (Lollipop) - Android 9 (Pie), iOS 10 - iOS 12, Windows Phone 8+, Windows 8RT+*

### Web browser

Google Chrome (most recent 2 versions)

Mozilla Firefox (most recent 2 versions)

Internet Explorer v11 (with Adobe Flash if running Windows 7)

Apple Safari (most recent 2 versions)

Microsoft Edge (most recent 2 versions)

### Internet connection

1 Mbps or better (broadband recommended)

### Hardware

2GB of RAM (minimum), 4GB or more of RAM (recommended)

Microphone and speakers (USB headset recommended)

# GLOBAL

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## International Road Federation

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