

Managing Infrastructure Assets

Comprehensive and certified training

**Pretoria, South Africa
July 17 -19, 2017**



Workshop

The Road Industry's Most Trusted Brand in Continuing Education



For more than 50 years, an essential part of the IRF's mission has been the organization and delivery of training courses that provide continuing professional development for individuals and contribute to the dissemination of knowledge and expertise throughout the world.

As a strong believer in continuing education, the IRF provides members, as well as road professionals worldwide with educational opportunities that are recognized by engineering and transportation societies worldwide. The IRF's Global Training Curriculum provides technical expertise in classroom and practical settings where attendees can learn from and have direct access to seasoned professionals. Each course not only provides the most relevant, up-to-date information and best practices and solutions, but is also designed to assist attendees in learning to correctly apply the knowledge gained.

IRF Certified Trainings are specifically developed to meet the needs of today's highway managers. Whether you are a representative of a highway agency, a member of a financing institution, consultant or contractor, IRF Certified Trainings will give you the necessary tools to make improvements in your organization. Our mission is facilitate road progress whenever and wherever we can by organizing constructive events, furnishing needed information and assisting with the training and transfer of best practices and technologies around the world.

As Chairman of the International Road Federation, I encourage you to make the most of these opportunities and help fulfill the IRF's vision of better roads for a better world.



Abdullah A. Al-Mogbel
IRF Chairman

About the IRF

OUR MISSION: Building Partnerships

We assist countries in progressing towards better, safer and smarter road systems.

We develop and deliver world-class knowledge resources, advocacy services, and continuing education programs, which together offer a global marketplace for best practices and industry solutions.

We serve a wide range of member organizations from both the public and private sectors of the road and transport industry. Together, we form a global network for information exchange and business development.

We invest in the next generation of transport leaders. Since 1949, the IRF has awarded educational scholarships to individuals in 119 countries to pursue careers in the road and transport industry.

OUR VISION: Better Roads. Better World

We believe that well-planned, safe, accessible and environmentally sound road networks are fundamental building blocks for human and economic development.

We are committed to increasing road and transport investments to meet the demands for safe and efficient travel and flow of goods and services to help improve the lives of people worldwide.

We engage with governments, development institutions, businesses, and academia around the world to make our vision a reality.

OUR ORGANIZATION: A Global Federation

The International Road Federation welcomes members from government, academia, road associations, research institutes, and private industry.

We are a global not-for-profit organization, headquartered in Washington, DC since 1948 and supported by regional offices throughout the world.

The IRF serves a network of public and private sector members in more than 70 countries by providing world-class knowledge resources, advocacy services, and continuing education programs which together offer a global marketplace for best practices and industry solutions.

OVERVIEW

The training will cover the principles, concepts, components, techniques and benefits of managing infrastructure assets. The contents will be based on well-accepted best practices and on the hands-on experience of the instructor. 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.

COURSE OUTCOMES

- 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 some 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

REASONS TO ATTEND

- Premier Certified Capacity-Building Masterclass
- Comprehensive, Practical Training on Asset Management Best Practice
- High-Level Interaction Amongst Transportation Sector Stakeholders
- Networking Opportunities with Infrastructure Decision Makers
- 3 ECSA accredited CPD points

TARGET AUDIENCE

- Road Authorities
- Road Design Consultants
- Contractors
- Manufacturers & Distributors
- Concessionaires
- Maintenance Personnel
- Academia

REGISTRATION RATES:

- Delegates from South Africa: R6800
- Delegates outside South Africa: \$1000





COURSE PRESENTER

SCOTT BLOXSOM

Scott is 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.

NOT A MEMBER? *JOIN THE IRF TODAY* SIX GREAT REASONS

- 1 Access to Global Best Practices
- 2 Continuing Professional Development
- 3 Worldwide Networking & Matchmaking
- 4 On-demand Seminars and Scanning Tours
- 5 Regional Support
- 6 Unique Access to the Next Generation of Top Tier Employees

For more details, please contact melabyad@IRF.global or visit

www.IRF.global/membership



DAY 1**STRATEGIC ASSET MANAGEMENT & THE ORGANIZATION****1.0 Introduction to Asset Management**

- Background & Context
- Standards, Guidance, Codes of Practice
- Management System Approach
- Risk Management
- Performance Management

2.0 Organization & Stakeholders

- Leadership & Sponsorship
- Roles & Responsibilities
- Competencies & Skills, Capacity
- Behavior & Culture
- Collaboration & Communication

DAY 2**TACTICAL & TECHNICAL ASSET MANAGEMENT ASPECTS****1.0 Asset Management Plans**

- Service Levels / Performance Requirements

2.0 Asset Data & Information

- Asset Inventory & Classification
- Asset Condition Assessment
 - Surveys
 - Inspections
- Asset Information Systems

3.0 Lifecycle Planning

- Whole of Life Considerations
 - Deterioration Modelling
 - Scenario / Option Analysis

4.0 Investment Planning / Funding Levels

- Business Cases
- Efficiency / Value for Money

5.0 Work Programming / Scheme Development

- Routine
- Cyclic Maintenance
- Planned / Rehabilitation

DAY 3**OPERATIONAL ASSET MANAGEMENT & SERVICE DELIVERY****1.0 Maintenance Scheduling****2.0 Delivery of Works**

- Outsourcing / Insourcing
- Client / Consultant / Contractor Contract Mechanisms

3.0 Service Delivery Performance

- Management

4.0 Network Stewardship**5.0 Incident Response / Safety Patrols**

GLOBAL

KNOWLEDGE • ADVOCACY • EDUCATION
BEST PRACTICES • BUSINESS OPPORTUNITIES

Better Roads. Better World.



IRF[®]
— GLOBAL —

International Road Federation

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