



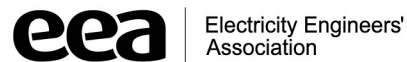
**New Courses 2017**  
Asset Management & Safety in Design



# Asset Management Training



International Infrastructure  
Management Manual  
2015 Edition



## Course Instructor – Lisa Roberts



Lisa has been working in the infrastructure asset management field for nearly 20 years and has helped to lead NZ and international asset management practices as the project manager and contributory author of all editions of the **International Infrastructure Management Manual** as well as for most of the other NZ NAMS Manuals. She is a highly experienced trainer and facilitator across all infrastructure asset management functions.



# Tailoring to the Electricity Supply Industry

- AM fundamentals are universal
- Edit course notes to emphasise areas relevant to the ESI
- Use examples from the ESI
- Bring ESI professionals together
- Guest speakers from industry



## Day 1 – Understanding Asset Management

### OBJECTIVES

- Gain an understanding of the basic principles of asset management
- Know what tools are available to use

- Understand the key asset management concepts
- See what others have done
- Take the opportunity to discuss AM planning with industry peers

### TOPICS

- Regulations, Framework and Guidance
- Strategic Planning
- Levels of service
- Demand forecasting
- Asset information
- Asset condition and performance monitoring

- Decision Techniques
- Managing risk and resilience
- Operational Planning
- Capital Works Planning
- Financial Forecasting
- Plans and information systems
- Improving asset management



## Day 2 – Telling the Asset Management Story

The workshop will enable attendees to answer the following questions:

- What is good practice, and how is everyone else doing it?
- What should I focus on to get the most value into my plans?
- What options are there for format and delivery of AMPs?
- What organisational resource and structure is required?

On completion of the course, attendees will be able to write, review and/or update AM plans that:

- Tell the organisation's asset management story in a logical manner
- Use language that is appropriate for the reader
- Support the higher level strategic documents
- Provide a robust basis for long-term forecasts.





# Next Course

7-8 August 2017

Hamilton

Guest Speakers:

Geoff Douch – Counties Power

Dave Moore – Genesis Energy

Register via: [eea.co.nz](http://eea.co.nz)



# EEA Safety in Design Guide

## Objectives

Assist electricity businesses to develop processes which:

- Provide designs that are safe
- Document design decisions
- Continuously improve the safety of designs

Targeted to operational and maintenance workers, construction managers, project managers, safety professionals, executives, designers and engineers.





## Key outcomes of a SiD course:

- Understanding the SiD principles laid out in the guide
  - Knowing when and how to apply each of the principles
  - Be able to implement the principles in their organisation/role
  - Be capable of using the routine tools included within the guide
  - Knowing when less frequently used tools may be applicable
- 
- Have sufficient knowledge and understanding to champion SiD within their organisations
  - Obtain the foundational knowledge required to set-up robust systems and drive continuous improvement



## Course Instructor – Craig Marriot



- Developed the EEA Safety in Design Guide
- Global Lead of Safety Consulting and Advisan
- 25 years' experience managing safety in high hazard industries, principally in the nuclear and petrochemical sectors
- Extensive range of formal and informal industry training, including lead auditor, incident investigation, human factors and human reliability, business leadership and management



Topic	Details
Day One – Principles and Tools	
Introduction	Course objectives, introductions, logistics What is safety in design?
Why safety in design	Legal obligations Engineering good practice Benefits
Foundations of good safety in design	Safe design philosophy Place in the engineering lifecycle Place in the asset lifecycle
The SiD framework – part 1 – the process	When and how to apply different tools and processes
Review of designs	Working sessions applying the routine tools to design scenarios
Use of less frequent tools	Awareness of other SiD tools

Day 2 – Enablers and Implementation	
The SiD framework – part 2 – the enablers	How the enablers support better implementation
Leadership	The importance of the leadership roles played by different parties
Awareness and capability	SiD as a working philosophy. Depth of understanding required by different stakeholders
Design standards	The role of design standards, specifications and codes of practice in supporting and demonstrating SiD
Assurance	How to develop high quality assurance programmes, both internally and across the supply chain
Implementation	Enablers and barriers for sustainable implementation within an organisation
Wrap up	Feedback survey, questions



# Course Dates - Provisional

23<sup>rd</sup> – 24<sup>th</sup> August: Wellington

TBC November: Christchurch

TBC February: Auckland

\*In house courses available: fixed price, enquire [admin@eea.co.nz](mailto:admin@eea.co.nz)



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Questions, comments or feedback?

