

**EVS, Eigna- og viðhaldsstjórnunarfélag Íslands** (áður nefnt FVSI),  
í samstarfi við **DMM Lausnir ehf.** kynna:

Námskeið:

# **Asset and Maintenance strategy**

Leiðbeinandi: **Paul Wheelhouse**

**Staðsetning:** **Icelandair Hótel Natura Reykjavík**

**8. - 10. október 2018 og 7. – 9. nóvember 2018**

# Fyrirkomulag og verð

- Leiðbeinandi: Paul Wheelhouse
- Alls 5 dagar í tveimur hlutum
  - Hluti 1,
    - 8. október 2018, 9:00 – 17:00
    - 9. október 2018, 9:00 – 17:00
    - 10. október 2018, 8:30 – 12:00
  - Hluti 2,
    - 7. nóvember 2018, 9:00 – 17:00
    - 8. nóvember 2018, 9:00 – 17:00
    - 9. nóvember 2018, 8:30 – 11:30
- Staðsetning: Icelandair Hótel Natura Reykjavík
- Verð:
  - 250.000 kr. fyrir þá sem koma frá fyrirtækjum sem eru aðilar að EVS/FVSI
  - 290.000 kr. fyrir aðra
- Hámarksfjöldi þátttakenda: 30 manns
- Skráning: [Sendið tölvupóst](#) þar sem fram kemur nöfn og netföng þátttakenda
- Tungumál: Enska
- The course is intended for:
  - Asset Managers
  - Engineering Managers
  - Maintenance Managers, Maintenance Supervisors
  - Operations Managers, Operations Supervisors
  - Design Managers, Designers

# Background

- Success in business comes from having a winning strategy and then implementing it well. A winning business strategy must be supported by cost-effective asset maintenance strategies. This workshop covers how to develop asset and maintenance strategies taking into account all of the relevant factors. It highlights successful tools and techniques which have been used across a wide range of different industrial sectors around the world.
- The workshop will be practical in nature with full use being made of case studies, exercises, discussions and assignments. Hard and soft copy materials will be provided including software templates for attendees to use in their future work. A free copy of the best-selling book “Excellence in Maintenance” will also be provided.
- For the convenience of busy attendees, the workshop will be delivered in two parts, approximately one month apart. This will enable attendees to gain experience in applying the techniques and then discuss their findings.

# Objectives

- Learn how to apply best practice
- Understand how to use risk in the decision-making process
- Discriminate between modern condition monitoring techniques
- Get familiar with some of the CEN and ISO standards that apply to asset- and maintenance management
- Develop a logical approach to the formulation of strategies for Asset Management & Maintenance Strategy

# Course description, part 1

- Introduction covering why asset and maintenance strategies are so important and their key features
- Different asset strategies: specific asset life; indefinite asset life; replace when a specific condition is reached; or replace on failure
- The four main types of asset risk and how they are managed: wrong from the start; deterioration; changes; and human factors
- Equipment criticality and how to use it for strategic decisions
- Six common patterns of equipment failure; where they occur; and how to use them in decision making
- Five different maintenance approaches and when and how to use them
- Assignment 1:
  - Carry out a criticality assessment of your facilities and pick out a system which has the highest risk from failure as your candidate for a review of its maintenance strategy.

# Course description, part 2

- Different techniques for deciding which type of maintenance to use in different situations:
  - Analytical Hierarchy Process, AHP
  - Failure Modes & Effect Criticality Analysis, FMECA
  - Reliability Centred Maintenance, RCM
  - Hands on RCM workshop on a pump circulation system
  
- Assignment 2
  - Carry out an RCM/FMEAC study on the system which you identified in Assignment 1

# About Paul Wheelhouse

- Paul Wheelhouse worked in the specialty chemicals business for 18 years where he was responsible for Pan-European engineering and production organisations. A large part of his time was devoted to enhancing the performance of plant, work processes and the functioning of groups
- For the past 22 years Paul has been engaged in consulting & training. This has involved identifying solutions for clients to enhance their return on assets through improved equipment reliability, reduced working capital and effective use of resources. His assignments have been across a range of industries located in Europe, Middle East, North America and the Far East
- Paul also lectures a visiting lecturer at Manchester University where he lectures on strategy, organisation & auditing for the Asset Management and Reliability Engineering MSc. He is a former council member for the Institute of Asset Management in the UK.

