

is a leading development company within Maintenance and Asset Management. Our services aim to bring our customers closer to an efficient, disruption-free and sustainable operation through training and consulting services.

We live in an age where we have electricity in our homes, medicines that keep us healthy and clean water in the tap so that we can quench our thirst when the summer heat is most noticeable. For this reality to be possible, facilities are required where electricity is generated, medicine is produced and water is purified. How well the benefits are delivered largely depends on how the operations are run and the facilities are managed.

At Idhammar, we work to enable our customers' pursuit of efficient, disruption-free and sustainable operations. We do this through training and consulting services in maintenance and Asset Management. Our services always aim to get all activities connected to the facilities to optimally serve the overall mission of the business, regardless of whether it is to provide people with electricity, water or medicine.

Idhammar's course for Maintenance Management:

How to Lead and Develop Maintenance (10 days)

Purpose

The training aims to create an understanding of how modern maintenance is conducted, where today's traditional maintenance techniques meet the new high-tech society. Furthermore, the training aims to provide an understanding of the demands placed on today's and tomorrow's maintenance managers and how to shape a maintenance organization based on this.

Goal

After completing the training, the participant should be able to lead, evaluate, change and improve the operational safety and maintenance activities of a company. The goal of the training is also to prepare the participants knowledge-wise so that they can pass the exam for EFNMS Certification to European Expert in Maintenance Management.

Pedagogy and implementation

The training is carried out as a 10-day classroom training, divided into four parts. We alternate lectures with discussions, group work and practical exercises. Materials, instructions, tasks and exercises are available on our digital learning portal. There you have the opportunity to prepare before you come to the course and to take part in the material afterwards for in-depth studies, all so that your own learning will be as good and personal as possible.

Part 1	Iceland
Part 2	Iceland
Part 3	Stockholm (via Zoom)
Part 4	Stockholm (via Zoom)

Certificate

After completed training, you will receive a course certificate. To get the course certificate, you must have participated in all parts of the course.

Certification

The training is designed to meet the EFNMS requirements for a certified maintenance manager. After completing the training, the participant can, if desired, take an exam organized by the Icelandic Maintenance Society (EVS). Upon passing the exam, the participant becomes a European Expert in Maintenance Management - an award that guarantees very good maintenance skills. We offer professional support throughout the course up to the day of the exam.

Part 1

The first part of the training deals with maintenance activities in general and the building blocks maintenance rests on. Furthermore, this part deals with the basic concepts of production, maintenance and operational safety, as well as the division of responsibilities between production and maintenance. We also review the importance of preparation and planning as well as information systems for maintenance.

💡 After this part you will:

- Have a general understanding of the building blocks that form the basis for well-functioning maintenance
- Know what is required for optimized preparation and planning work, both in terms of safety and quality
- Understand the benefit to an organization of working with information and maintenance systems and how the work can be optimized to achieve full potential
- Know the basic maintenance terminology according to EN 13306

Part 2

The second part of the training focuses on reliability and operational reliability. Among other things, you will be able to make various availability calculations. Furthermore, this part deals with TPM and Smart Maintenance. During this part, we also delve into risk analyses, troubleshooting methods. Finally, we also go through what Asset Management is and the ISO 55000 standard.

💡 After this part you will:

- Know which three areas affect operational reliability/availability and which factors within these areas in turn affect operational reliability/availability
- Be able to calculate different forms of Availability.
- Able to optimize the various constituent TPM pieces i.e., OEE, 5S, Operator Maintenance and improvement activities through cross-functional improvement teams.
- Know what Industry 4.0, digitization and IoT mean and know how you as a leader can act and organize a future maintenance organization
- Know and understand the purpose of the different troubleshooting methods Fishbone Diagram, 5 Whys, RCA as well as the risk analysis methods RCM, FMEA, FTA and Hazop.
- Understand the overall benefit of working with Asset Management and the associated standard ISO 55000.

Part 3

The third part of the training deals with the impact of maintenance on the economy and different forms of organization for maintenance operations. We talk further about key figures and how to work to make maintenance measurable and controllable. This part also deals with inventory management and spare parts strategy. Finally, we also go through maintenance through the life cycle; LCC/LCP Getting it right from the start.

💡 After this part you will:

- Know some economic concepts that are related to technology, maintenance and production
- Know some pros and cons of different organizational forms, for example centralized, decentralized and matrix organization.
- Know the purpose and usefulness of key figures according to the EN 15341 standard.
- Understand how to optimize and control a warehouse from an operational security perspective.
- Understand what resources are needed in the work of setting the right requirements before acquiring new equipment and being able to calculate the benefit with total cost (LCC) for different alternatives.

Part 4

In the last part of the training, you learn about strategic choices for maintenance and we talk about moving from the current state to the desired state. Outsourcing and partnerships are also part of this part, just like work environment and safety. A large section of this fourth part deals with team development, leadership and change management.

💡 After this part you will:

- Know how to shape your own development strategy/development plan for your organization
- Know, based on practical cases, some advantages and disadvantages of outsourcing
- Know the current requirements regarding work environment and safety from a management perspective.
- Know some tools/methods to be able to practically carry out change work in the various areas covered by the course.

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