

# Newsletter #25

December 2023

# efnms



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# INTRODUCTION

As the enchanting season of Christmas descends upon us, we extend our warmest wishes to you and your loved ones. This year has been a journey filled with innovation, camaraderie, and the transformative spirit of Maintenance 5.0, and we're excited to share the joy of the season with you.

In the role of Secretary and Director of Industry Relations at EFNMS, I've had the privilege of witnessing the extraordinary impact of Maintenance 5.0 on our collective mission and the world we inhabit. It is with immense delight that I share the magic of this concept, which promises not only a brighter future but also a more sustainable and harmonious world for all.

A Symphony of Human-Centric Innovation: Maintenance 5.0 orchestrates a symphony of human-centric innovation, where every note resonates with the melody of progress. Picture a workplace adorned with collaborative robots (cobots) gracefully dancing through tasks, exoskeletons providing support like steadfast companions, and the enchantment of augmented/virtual reality transforming routine processes into extraordinary experiences.

Sustainability, a Gift to the Earth: This Christmas, the gift of sustainability is wrapped in the principles of Maintenance 5.0. The concept invites us to embrace energy efficiency through maintenance practices, nurturing a relationship with our planet that is both mindful and caring. The circular economy principles embraced by Maintenance 5.0 become our guiding stars, leading us towards responsible resource management.

Resilience, a Beacon of Hope: As the winter nights grow longer, the resilience embedded in Maintenance 5.0 becomes a beacon of hope. Together, we are crafting strategies that ensure the continuity and reliability of industrial operations and transportation systems, offering a steadfast presence in an ever-evolving world.

In the spirit of the season, let us celebrate not only the holidays but also the positive change that Maintenance 5.0 is ushering in. Together, we are creating a world where innovation serves humanity, sustainability is a cherished gift, and the magic of Christmas extends beyond the festivities to shape a promising tomorrow.

May your Christmas be adorned with the timeless magic of joy, your New Year be filled with prosperity, and the days ahead be painted with the hues of hope and possibility.

Warmest wishes,

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## EVENTS

Find the major international maintenance related events at: <http://www.efnms.eu/events/>

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# EuroMaintenance 2024 is coming!



## EuroMaintenance 2024,

The leading maintenance event in Europe, will take place in Rimini, Italy, from 16th to 18th September 2024. Organized for the third time in Italy, it is proudly presented by A.I.MAN. - Italian Maintenance Association.

With a focus on eight key thematic areas - Safety, 4.0, Service, Transportation, Infrastructure, Distribution, Sustainability, and Training - EuroMaintenance 2024 promises to be a comprehensive platform for knowledge exchange and networking.

We will explore the latest trends and advancements in maintenance practices, fostering a safer, more efficient, and sustainable future. Don't miss this opportunity.

Have a look here: <https://youtu.be/BaSbVsEvjSI>

For info: [secretariat@euromaintenance24.com](mailto:secretariat@euromaintenance24.com)



# Corporate Sustainability Reporting Directive (CSRD)

**The Corporate Sustainability Reporting Directive (CSRD) is a guideline that states that from 2024 more and more companies will be required to report on their impact on people and the climate. The directive is intended to ensure more transparency and better quality of sustainability information.**

The EU directive requires (large) companies to report, among other things, in their management report on their impact on environmental aspects, HR and social aspects, i.e. people and the environment. Companies will also have to report whether there are sustainability aspects that could have a significant impact on the value of the company. In addition, reporting will also have to be done on governance, including responsible corporate governance and responsibility in the chain.

## *Effective soon*

The CSRD will apply from January 1, 2024 to companies that currently fall under the non-financial reporting directive (NFRD) and from 2025 to large companies that do not currently fall under it. The CSRD applies to listed SME companies from January 1, 2026. Companies must therefore quickly start collecting the necessary data and setting up the governance structure. Ellen den Broeder, General Manager NVDO (Dutch Maintenance Society) and EFNMS GA-member; "There is a chance of a lighter – and possibly voluntary – variant of the CSRD for smaller SMEs, but that will not be the case in the short term. Yet it is important that every organization implements CSRD, if only to gain a good insight into the results of your sustainability objectives".

## *What does Maintenance discipline have to do with this?*

"It is wise to start by identifying the relevant sustainability information within your organization. Says Den Broeder. This includes not only collecting data, but also evaluating your existing reporting processes and systems to ensure they meet the new requirements and that includes the maintenance organization" Den Broeder continues; "If you have your Asset Management in order, this can mean that the sustainability information is easier to inventory. As a maintenance organization, you know exactly which assets are located where, their life cycle is known and any risks have been determined. As a maintenance manager, you can easily add a sustainability column to that Asset Management information".

## *Practical tools*

"Isn't it fantastic if you get full insight into what your sustainability efforts are yielding," Den Broeder asks. Every organization wants to be sustainable, as is evident from our national Maintenance Compass in which we annually generate key figures, discover trends and formulate a vision on the Dutch Maintenance Market". NVDO has therefore developed a CSRD Roadshow. "We want to make it as easy as possible and we have developed a four-part series for that. In this four-part series, we provide various sectors with guidance on how to start reporting on your sustainability efforts. We do this together with partner Sdu and internationally we have found valuable synergy with the EFNMS. In addition to legal obligations, we provide practical tips and we do this together with a number of asset owners".

### *International interest*

Within the EFNMS (European Federation of National Maintenance Societies), the Sustainability working group has taken up the challenge. Giel Jurgens sits on the working group on behalf of the NVDO. Sweden, Slovenia and the Czech Republic also participate in the working group. "It is a great opportunity that we as NVDO also offer a helping hand internationally. The collaboration with Sdu is of great value. It is practically not feasible for international colleagues to participate in the physical CSRD roadshow, which is why we organize international webinars immediately after the physical meetings". The international Sustainability working group adopts the same format with international asset owners. Jurgens; "NVDO, Sdu and EFNMS emphasize the great importance of complying with CSRD obligations, because failure to do so can lead to legal and reputational risks. Companies that fail to report timely and accurately may face fines and sanctions from regulatory authorities and may also experience negative reactions from investors, customers and other stakeholders. I therefore wholeheartedly support the NVDO initiative to make it easier to comply with this European obligation".

### *Maintenance*

It is wise to start by identifying the relevant sustainability information within your organization. As a maintenance organization you can make a significant contribution, not only by collecting data, but also by evaluating your existing reporting processes and systems to ensure that they meet the new requirements.

Please keep informed on the EFNMS-website (events).

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## European Maintenance Assessment Committee

The European Maintenance Assessment Committee (EMAC) offers 3 workshops to the maintenance community.

- Workshop 1: Basic prerequisites for data collection and introducing a common language.
  - The CEN standards Map – the framework of available standards.
  - Terminology – Safe, agreed and transparent communication secures quality of data and result of analyses.
  - Asset Register - structure and hierarchy levels.
  - GloMe – an intro to the guidebook
- Workshop 2: The EFNMS Benchmarking workshop which will give the delegates:
  - GloMe – an intro to the guidebook an understanding for the use of maintenance indicators
  - increase the management skills of the delegates.
  - calculate the indicators bases on a case or based on company data.
- Workshop 3: Practical aspects of KPI implementation

- Key Prerequisites
- The role of CMMS
- Managing Change during implementation

At the latest EFNMS Benchmarking workshop – organised by the Icelandic Maintenance Society – EVS, the delegates were presented for the proposed indicators to measure the performance of the planning and scheduling process. The workshop was a tailor-made workshop based on the PRE and ACT processes from the standard EN 17007. The workshop was based on a case story, and the presentation of the PRE and ACT process.

The workshop boosted fruitful and dedicated discussions among the 60 delegates and provided the delegates with the inspiration to look for improvements in the planning and scheduling process in their companies.

At the workshop the delegates made a self-assessment of the process maturity for the combined PRE and ACT process.

This workshop was an alternative to the usual high level indicators measuring maintenance cost and availability. At the planning and scheduling workshop, the delegates were focusing on the combined PRE and ACT processes. This was to underline the efficiency of the supporting processes is a prerequisite for the improvement of the maintenance cost and the availability.

The dedicated planning and scheduling workshop were also a response to the question on “Which indicators to measure my maintenance processes?”.

The next EFNMS Benchmarking Workshop will be organised by the Danish Maintenance Society – DDV at the 14. May 2024, also with the focus on planning and scheduling. This workshop will also invite the delegates to bring their company data.

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## EFNMS PUBLICATIONS

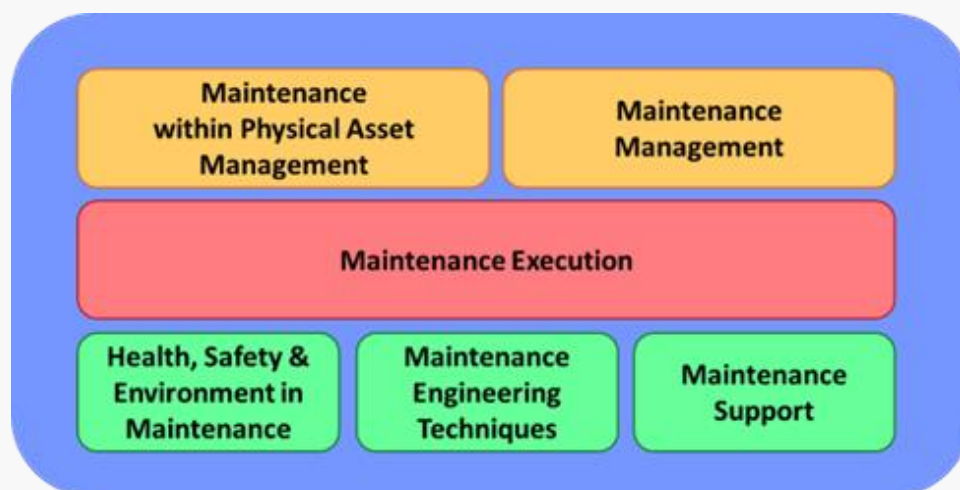
Take a look at our new efnms-webpage, the Publications page <http://www.efnms.eu/publications/>

We are proud of the collection of EFNMS work. These publications should be considered as support to Maintenance professionals in Europe and world-wide. These are work of authors within the EFNMS Committees but reviewed by their Committee before publishing.

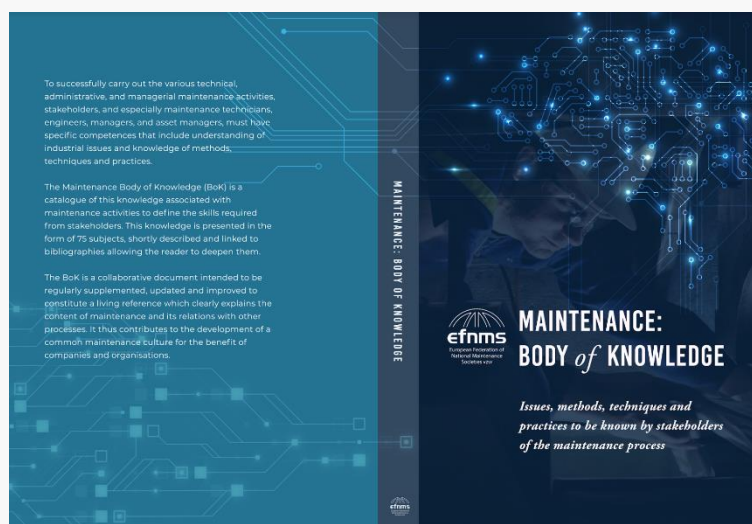
## Body of Knowledge

A first version of the EFNMS Maintenance Body of Knowledge (BoK) will be published very soon, hopefully by the end of 2023. It will contain 25 short articles on maintenance subjects written by experts from different European countries.

This project, launched a few years ago, aims to provide a comprehensive list of maintenance subjects (maintenance issues, methods, techniques, practices, etc.) in connection with the description of the maintenance process contained in the European standard EN17007. About 80 subjects with a bibliography are identified and divided into six chapters. This list of subjects is being taken into account in the current revision of the European EN15628 standard on the qualification of maintenance personnel, which will enhance the usefulness and visibility of the EFNMS BoK.



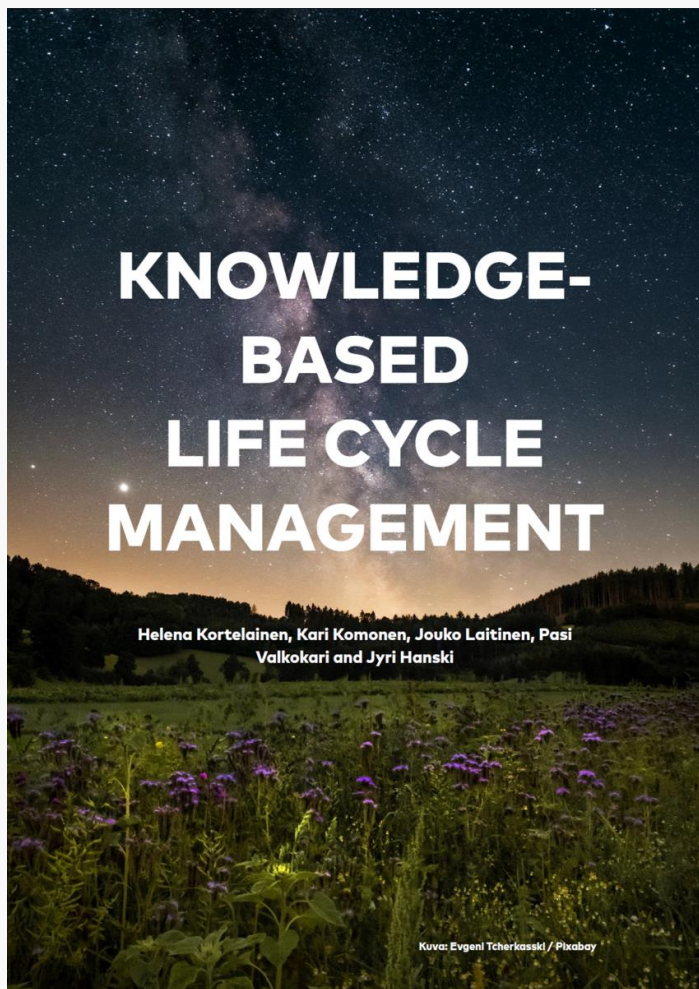
The remaining articles will be gradually added as European experts submit them to the EFNMS Reading Committee, responsible for review and validation. Experts who wish to participate in writing or reviewing articles, to complete this document, are warmly invited to consult the list of subjects on the [efnms.org](http://efnms.org) website (about us/Body of Knowledge) and propose their participation.





# Knowledge-based life cycle management - a new book available in the EFNMS Bookshop

Life cycle management with its procedures helps the decision-maker to optimize performance requirements and the costs associated with maintaining performance, and to assess the risk that future uncertainty inevitably poses. Good practices in life cycle and asset management support the decision-maker in weighing up, for example, the benefits of introducing emerging technology and of improving system performance against incurring costs and risks. With digitalization, the focus is shifting from data collection to data exploitation. Data alone is not enough; the focus is on knowledge - the ability to refine and interpret data.



**Knowledge-based life cycle management** - book examines product and asset life cycle and lifecycle management models from the perspective of different stakeholders, with an emphasis on exploiting data, information, and knowledge in decision-making. In addition to theory, the book presents practical examples of how to apply these models and solve the challenges of life cycle management of machines, machinery, and asset systems. The book focuses on industrial systems with long life cycles as in this domain maintenance, investments, and other measures for continuous improvement include in the key success factors of any organization.

Life cycle management requires a multidisciplinary approach. **Knowledge-based life cycle management** - book offers different perspectives to the lifecycle management as it collects the competence and experience of 15 Finnish researchers in this field. The book draws from the authors' sustained experience in lifecycle and asset management, and in RAMS research and development, and in the standardization.

**Knowledge Based Life Cycle Management** is a newly published PDF-book. The book is free of charge, and you can download it from the EFNMS Bookshop. The link to the Bookshop: <https://www.efnms.eu/publications/>

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*Helena Kortelainen, Promaint ry*

















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## NEWS

### Awards

We are excited to announce that at the upcoming EFNMS EuroMaintenance 2024, a new edition of the Awards for the best academic works and best Maintenance/Asset manager at the European level will be delivered. These prestigious awards aim to recognize and celebrate the most innovative research and excellent management contributing to the enhancement of the maintenance sector. Doing so, develop knowledge and practice to better maintain our world. The two academic awards (MTA: Master thesis Award and PTA:PhD Thesis Award) and European Maintenance Manager Award (EMMA) are sponsored and supported by the Salvetti Foundation.

The Awards are the result of a lengthy process that begins with the competition developed at national level. After that, the respective winners representing each National Maintenance Society, will compete on the European level. National candidates will be evaluated by a panel of European experts, to select the final European winners for each Award. Evaluation criteria include: practical results achieved, innovation, safety, sustainability, contribution to smarter production and increased asset reliability.

2000		Hedda Flage Olsen Camilla Holmbor
2002		Mark Edelenbosch
2004		Mikael Hågerty Mikael Johanson
2008		Håkan Borgström
2010		Gomez Fernandez
2012		Francesco Di Leone
2014		Mikael Öhman (Joint –Winner)
		Bruno Pinna (Joint –Winner)
2016		Christer Stenström (MTA)
		Maria Holgado Granados (PTA)
2018		Asier Erguido Ruiz (Joint – Winner)
		Ville Illmonen (Joint – Winner)
		Peter Kipruto Chemweno (PTA)
2021-2023	1	Alexis Lárez (EMMA)
	2	Alberto Franzini (MTA)
		Jyri Hanski (PTA)

Important dates to keep in mind: in the first week of March 2024 the National candidates designated by each National Maintenance Society must submit the application to the coordinator of the Salvetti Foundation. So if you want to compete, contact your National Maintenance society asap. European winners of the three awards will be announced in June 2024.

You will be hopefully be able to meet the prize winners at the inspiring largest biannual European maintenance event, which will take place in Rimini, Italy, in September 2024.

Scholte P.J. Strikwerda  
Manager VI (Verificatie & Inspectie)

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## Legal notice

### Dear Reader of our EFNMS Newsletters!

We hope you've been enjoying the EFNMS Newsletter and other email communications that we've been sending you containing our latest news and updates.

As part of EFNMS efforts to comply with the new General Data Protection Regulation ("GDPR"), which came into effect on 25 May 2018, we would like to inform you that your email and other personal contact information you provided us when you subscribed, currently reside in the EFNMS internal database. We encourage you to take the time to review our revised Privacy Policy.

If you would like to continue to receive newsletters, updates and other information about EFNMS content, events and exhibitions, no action is required.

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Best regards,  
EFNMS Newsletter Team

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With Maintenance Greetings

EFNMS Chairman  
***Cosmas Vamvalis***

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European Federation of National Maintenance Societies vzw



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