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Newsletter #23 *February 2023*

Special Issue: EuroMaintenance 2023



Rotterdam will be the Maintenance Capital of Europe in April!

[Register here!](#)



EuroMaintenance (EM) is the most important activity of the EFNMS and it is one of the most important conferences in the world in the Maintenance domain. This time, [EM2023](#) conference is organized by NVDO and it will take place from 17 to 19 of April 2023. **The quality of the EM2023 event is excellent in all aspects:**

- Worldwide top-level speakers are going to present the state-of-the-art in Maintenance,
- Workshops in the topics of Human factor, Safety, Sustainability, Smart industry and Asset performance management are going to enhance the skills of attendees,
- Industrial visits have been organized by NVDO. During these visits, we'll have the opportunity to attend the implementation of modern maintenance in practice.

The fact that EM2023 takes place on the renewed convention center of [Rotterdam Ahoy](#) is an important guarantee factor for the success of the event. Not only the 24 national societies members of EFNMS, but everyone in the maintenance domain world-wide is looking forward to the EM2023 event in Rotterdam!

Cosmas Vamvalis

EFNMS – European Federation of National Maintenance Societies



In April 2023, we will meet thousands of professionals during Maintenance NEXT and EuroMaintenance.

Rotterdam will then be the Maintenance Capital of the World!

The EuroMaintenance Team is proud of the many who work with us on Our Road to EuroMaintenance 2023.

We do this, among other things, with the EFNMS committees, some of which will provide a workshop during the conference in Ahoy Rotterdam. We also do this with the partners with whom we set up the Inspiring Tables. We do this with all Key Note Speakers and of course together with the sponsors. Check out www.euromaintenance.net every now and then to keep up with EuroMaintenance and Maintenance NEXT.

Ellen den Broeder

Project leader EuroMaintenance 2023

NVDO General Manager

About EuroMaintenance 2023

The largest European maintenance congress will take place from **17 to 19 April 2023** in the brand new, state-of-the-art, Rotterdam Ahoy Convention Centre (RACC).

Visitors will be treated to three full days of valuable presentations, workshops and demonstrations. At the same time the leading maintenance and technology exhibition in the Benelux 'Maintenance NEXT' will be held in Rotterdam Ahoy.

The combination of EuroMaintenance and Maintenance NEXT will make Rotterdam the most important meeting place for maintenance professionals.

EuroMaintenance 2023 is organised by:



NVDO - The Dutch Maintenance Society represent over 300,000 maintenance professionals.



EFNMS - The European Federation of National Maintenance Societies, its objectives are the improvement of maintenance for the benefit of the peoples of Europe.



Rotterdam Ahoy

A world-class venue offering infinite possibilities. Over 50 years of experience in hosting business events.

Congress days

- Monday 17 April 2023
 - Tuesday 18 April 2023
 - Wednesday 19 April 2023
-

Conference Theme's



Asset Management at its best

Asset Management at its best will be the theme for this edition of EuroMaintenance. Business leaders will share their vision on developments and the future of the industry and best practices will be showcased. More than 40 workshops will focus on the main themes in asset management: Smart industry, Sustainability, Asset performance management, Human factor and Safety. In addition to the workshops, international top speakers take the stage to share their knowledge and inspire.



Asset Performance Management

There are many different ideas, concepts and methods to Asset Management. Think of RCM, FMEC, VDM and more.



Safety

Obviously safety is a crucial point in maintenance. Maintenance engineers must be able to safely inspect, repair and maintain assets. Additionally, the maintenance must also ensure the safety of the asset's end-users. But not just physical safety is key; also digital safety in the form of cyber security is part of this theme.



Sustainability

It's important to take action to ensure the longevity of our planet's existence. There's a lot we can do within maintenance to combat climate change: remanufacturing, circular and extending life cycles, using sustainable materials, working on energy transition and more.



Human Factor

The scarcity of technically trained staff is one of the larger problems within maintenance. How will we enthuse young professionals to become part of one of the largest and most important global industries? And how will we secure the knowledge of ageing professionals?



Smart Industry

Artificial Intelligence, Digital Twins, Exoskeletons and more; Maintenance 4.0 is becoming smarter everyday. For this theme we will follow all major developments in the Smart Industry.

Keynote Speakers

During EuroMaintenance, Maintenance Managers, Asset Managers and board members will share their knowledge, experience and best practices. Below you will find a few top keynote speakers who already have been announced.



Diego Galar

Professor at Lulea University of Technology

Social and cognitive digital twins. A metaverse approach

A digital twin is not a static model but a responsive system connecting physical and digital systems, with numerous potential applications in industry.

Other terms for digital twin are digital shadow, digital mirror, digital model, and digital avatar. However, this is a one-to-one digital twinning process, and industry demands a more attractive proposition i.e. the creation of a virtual scenario where virtual instances gather together with the twins of real ones. We call this scenario the 'metaverse,' a digital replica of our reality where all physical assets are twinned along with entities that only exist in the digital dimension. The metaverse is the digital dimension where the digital entities interact. The metaverse is the expansion of DTs with more content and social meaning.

Importantly, the metaverse has a scalable environment that can accommodate many entities, thus reinforcing social meaning among the DTs coexisting in the space, immersed in that space and participating in it. That is why maintainers have to keep an eye on the evolution of DTs and how they transfer those replicas to the metaverse, as degradation mechanisms, maintenance plans, and prognostics will seriously affect the DT once it starts interacting in the digital arena with its counterparts.



Sudhanshu Kapoor

Vice President Sales AR/MR EMEA

Leap into the Industrial Metaverse

There is an enormous buzz around the metaverse with tales of fully virtual spaces mimicking real life and extending it via games or online collaboration. Taking a closer look though, the metaverse does not seem to offer much for businesses from the industrial space.

It is so far leaving out people that are already solving real-world problems across industries and processes. TeamViewer strongly believes in a continuous convergence between the physical world and technology in general. So, it is way beyond time to leap into the "industrial metaverse" and redefine frontline work in the 21st century - with the help of AR solutions and the power of AI.



Jeff Versterre
Chief Operating Officer at Victrex

The essential role of Asset Management for operational excellence

Victrex is a British-based supplier of high performance polymers. The company's headquarters and manufacturing facilities are based in the United Kingdom with technical and customer support facilities in multiple markets, serving over 40 countries.

Victrex's solutions are used in a diverse range of industries including aerospace, automotive, electronics, oil and gas and the medical field. Jeff Versterre, COO of the company, has initiated a maintenance and engineering excellence program due to his belief that asset management and maintenance can significantly contribute to operational excellence. This program is part of a bigger strategy involving the connected excellence programs for process safety and Capex planning & execution. Jeff Versterre shares how Victrex has created an improvement roadmap for maintenance and engineering excellence that touches all the bases of data, systems, processes and people. The deployment is underway and involves seven workstreams including change management. Quick wins and results are made visible (quantitatively and qualitatively) through dashboards, regular reporting and the sharing of best practices.



Maria Ryytty
Senior Manager Strategic Maintenance at LKAB

Data-driven maintenance in world class

LKAB's transformation towards a sustainable future. Three important areas are leading the transformation: New world standard for mining, Carbon-free sponge iron with hydrogen technology and Extract critical minerals from mine waste.

The maintenance has a large financial impact where we create predictability, enabling better planning for fact-based decisions. Three important areas for achieving results are people (the business), processes and technology.



Mattias Arstadius
Sales Director EMEA

SKF - Intelligent and Clean

Mattias Arstadius is Sales Director EMEA at SKF. His experience at SKF spans 25 years across different areas including R&D, Customer Engineering, Mergers and Acquisitions and Sales and Marketing.

SKF's focus is to help our customers to be more competitive.

We combine hands-on industry experience with a vast product portfolio and knowledge around bearings, seals, lubrication, condition monitoring and maintenance services - all of which contribute to a better, more sustainable industrial development.

SKF has something that very few industrial companies have: a deep understanding of almost all industrial applications. Everywhere there is rotation, there is a good chance that SKF products, capabilities and skilled colleagues are providing value in the form of improved operational performance and reduced emissions, based on two concepts: intelligent and clean. By developing new smart technologies that offer competitive advantages to customers, and at the same time, contribute to a sustainable society, we support our customers to achieve their main goals; increase machine availability, reliability and performance, reduce costs and enable a safe working place for our employees in a sustainable environment.

Meet us at EuroMaintenance 2023 and let's share thoughts on how to make your business smarter, safer, more profitable and more sustainable.



Pierre Dehombreux

Professor and Head of the Laboratory for Machine Design and Production Engineering at the University

How to ensure the quality of an intelligent maintenance deployment from FMEA to prognostics? Machine tools as a practical case.

Predictive maintenance plays a vital role in enhancing the productivity of machine tools in the 4.0 manufacturing context. The management of the replacement of parts (including the tools) needs to rely on a global procedure including basic steps like Failure Mode and Effect Analysis.

Detection, diagnosis and prognosis (residual useful lifetime) may be addressed by reliability-based approaches (Weibull and Cox models), physical degradation models, or measurement data driven approaches using machine learning techniques. Results obtained for tool wear will be presented and discussed with pros and cons of each approach. The presentation will conclude on the need for decision aid platforms as the maintenance management cannot be reduced to the reliability issues and should include sustainability aspects as well.



Dr. Joerg Unger

Senior Vice President, Low Carbon Emission Technologies & Projects BASF

Our way towards closing the Carbon Cycle

Today, about 80% of BASF's Greenhouse Gas Emissions stem from combustion-based energy generation. Hence, changes in generation and use of energy are key to reach our ambitious emission reduction targets.

The set of measures to be pursued comprises the switch from fossil-based to green energy sources, the decoupling of steam from power generation, the use of new technologies, e.g. driven by electricity instead of combustion-based thermal energy, the use of renewable and recycled feedstock but also continued efforts in productivity enhancement. This requires an orchestrated approach different business lines and production sites that aims to keep carbon inside the value chains and avoids leakage particularly via CO₂ into the atmosphere.

Visitors



From 17 - 20 April 2023 Rotterdam Ahoy will be the meeting place for maintenance professionals. The [EuroMaintenance congress](#) is expected to welcome the international top industry leaders. The target audience are maintenance professionals, CTO's, asset managers, group maintenance & reliability leaders, maintenance & reliability engineers, condition monitoring specialists and operational managers working in asset intensive industries in Europe and worldwide. Besides that, we will welcome the scientific technical world as well.



In addition to EuroMaintenance, [Maintenance NEXT](#) will be held at the same time. Maintenance NEXT is the leading maintenance and technology exhibition of the Benelux. During the exhibition, more than 250 national and international exhibitors will present the most important innovations in the field of (industrial) maintenance on the exhibition floor, which is visited by more than 11,000 visitors every two years. A visit to Maintenance NEXT is essential for anyone who is professionally involved in the maintenance industry.

[Register here!](#)

Discover Rotterdam

The city of Rotterdam is more than the home of the biggest port of Europe. It is a trendy nightlife city, a sophisticated shopping city, and a hip artistic city. Blessed with striking, futuristic architecture, good public transport connections, plenty of fine restaurants and bars and a dynamic night-time economy, Rotterdam is rightly considered to be one of Europe's most exhilarating and vibrant cities right now. The Netherlands' second-largest metropolis is a diverse community, with almost 48% of its inhabitants non-Dutch. Make sure you will discover Rotterdam during your visit of EuroMaintenance.



Preferred hotels

Hotel booking service

The EuroMaintenance organisation team reserved hotel rooms with special rates for exhibitors and visitors via Preferred Hotel Reservations. If you want to make use of this hotel booking service, [click here to go directly to the website of Preferred Hotel Reservations](#) or e-mail them directly via congress@preferredhotelreservations.nl.

Partners





EURO
MAINTENANCE
ROTTERDAM AHÖY
17 - 19 APRIL
2023
REGISTRATION

With Maintenance Greetings

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Croatian Maintenance Society, HDO



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