



EFNMS Newsletter #14

(December 2020)

Dear friends,

Everyone in the EFNMS family is proud for its 50th anniversary! Over the years, EFNMS has been a great place for knowledge exchange and cooperation. This led to an increase in the number of EFNMS members, reaching the 24 National Maintenance Societies. On top of that, it is worth highlighting the efforts of EFNMS Chairmen, all committed to their role and inspiring people and organizations to support EFNMS mission. EFNMS Chairmen have been: Arjo Klijn from The Netherlands, Hans Overgaard from Denmark, Hans Klemme-Wolff from Switzerland, Alex Stuber from Switzerland and Herman Beats from Belgium.

The team spirit and creativity within the EFNMS community is unique and has contributed to the delivery of constructive results. Main EFNMS activities include: the EuroMaintenance (a bi-annual conference), the maintenance Body of Knowledge (BoK), the Certifications, the Workshops, the Surveys, the GloMe guidebook (harmonizing EN 15341 KPIs and SMRP metrics) and this Newsletter. All these activities aim to provide added value to the members of the 24 National Maintenance Societies.

EFNMS has developed international cooperation as well. It is an active member of the Global Forum on Maintenance and Asset Management (www.gfmam.org). Moreover, in cooperation with Salvetti Foundation, it provides four Excellence Awards to encourage maintenance related research (www.salvettifoundation.com/awards). Finally, EFNMS is an active partner of the European Agency for Safety and Health at Work (OSHA, osha.europa.eu).

More activities have been scheduled for the near future. Results from the current activities or any other updates can be found on the official website of EFNMS or on the social media. Concluding, we would like to thank everyone in the EFNMS community who voluntarily contributed all these years and helped it grow and flourish.

*Cosmas Vamvalis
EFNMS Chairman*

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Events

EuroMaintenance will be postponed to 14-16 June 2021



The organization of EuroMaintenanceNEXT, together with its stakeholders, has decided to move the convention to 14, 15 and 16 June 2021. As a result of COVID-19, March seems too uncertain to organize a fully-fledged and successful edition. A few extra months will make a big difference. The international EuroMaintenance conference and the Maintenance NEXT trade fair, which are organised together under the convention, were actually planned in March earlier that year, in Rotterdam Ahoy.

"This decision felt right for everyone and is experienced as such," explains Exhibitions Manager Pieter Bas Dujardin. "As an organization we want to set up a full-fledged trade fair and strong conference, supplemented with workshops and company visits. There is a good chance of success in June, as we will be entering the summer, a period in which the amount of infections will be lower." In addition, there are encouraging signs about vaccines and rapid tests. All considerations were first presented to the sponsors, exhibitors and other stakeholders of the European event. "Moving to June could of course only be realized when all those involved supported it. Fortunately, almost everyone agreed and found 14, 15 and 16 June 2021 to be a more appropriate time. We have the same goal and that is to organize a successful edition."

This decision also felt right with the perspective on international travel. Ellen den Broeder, General Manager NVDO, who is organizing EuroMaintenance this year, is delighted by this decision: "In order to organize a successful and international conference such as EuroMaintenance, it is essential that people can travel again. This applies not only to the conference, but also to the workshops and company visits that we organize especially for the European public. At least within Europe, but preferably also beyond. Now that we have made this decision in a timely manner together with all those involved, we can all switch and plan on time. Responsibility and safety come first, and we are happy that we have found suitable new data. The commitment of many in this decision makes us proud and gives a great sense of joint responsibility."

Apart from the relocation, the organization is working hard on the EuroMaintenanceNEXT program. In addition to the exhibition floor for maintenance professionals from all over the world, valuable presentations, workshops, demonstrations and company visits will be organized throughout the Botlek region.

www.euromaintenance.net

Call for papers – Fifth Conference on Maintenance, Condition Monitoring and Diagnostics, MCMD 2020

Virtual Conference, December 15–17, 2020

Dear colleagues,

We are pleased to invite you to the Fifth Conference on Maintenance, Condition Monitoring and Diagnostics, MCMD 2020, which will take place on 15 – 17 December 2020. This conference series rises from the 20 years of the MCMD conferences and 10 years of the International Society for Condition Monitoring, ISCM. The conference is organized by the University of Oulu, the Finnish Maintenance Society (Promaint) and Expomark Oy in cooperation with ISCM and Finnish Society of Automation.

Condition monitoring and risk management professionals from industry and academics can strengthen their multidisciplinary networks within the latest developments in maintenance and monitoring. Central themes include condition monitoring and diagnostics as drivers for improved productivity, quality and operational reliability of industrial processes with increased profitability and lower environmental load.

Along with sessions for scientific paper presentations, the program includes plenary presentations, vendor sessions and panel discussions. The keynote speakers are well-known specialists of the field. All scientific papers will be reviewed for the Lecture Notes in Mechanical Engineering (LNME) by Springer. Industrial, discussion and student papers and all extended abstracts will be published by Promaint.

Due to increased possibility of restrictions on travelling, MCMD 2020 will be organized as a virtual conference.

We invite you to submit your contribution to the high standard international condition monitoring and maintenance conference.

[Read more >>](#)



BEMAS launches call for speakers for Asset Performance 4.0 2021

BEMAS, the Belgian Maintenance Association, is pleased to invite you to join the international and **hybrid Asset Performance 4.0 Conference & Exhibition in 2021**. The conference from 26 – 28 October focuses on the use of disruptive technologies and solutions to increase performance in the field of operations, maintenance, reliability, and asset management.

We are currently looking for speakers willing to showcase hands-on experiences in these fields.

Call for presentations, workshops and hackathons

You might be interested to **give a 40 min. presentation** on innovative applications and projects. You can share the results and experiences with 4.0-solutions currently being implemented in (pilot) sites.

You can also opt to host a **workshop**. The goal is to show the participants hands-on how to use disruptive technologies or solutions and to get them acquainted with how new solutions can help them increase asset performance.

Maybe you are currently looking for a solution to a specific problem? In that case, you can post your idea for a **hackathon challenge**. In a hackathon, an asset owner introduces a problem in operations or maintenance to a panel of interested experts, who will work to find a solution using predictive analytics, AI and IoT.

Why you can't miss Asset Performance 4.0 2021

- As a speaker, you can enjoy the 2 day conference for free. You can choose to be present live in Antwerp or to join the conference online.
- The conference offers you a unique opportunity to share experiences how new 4.0 technologies and fundamentals in operations, maintenance and asset management reinforce each other in order to achieve higher equipment reliability and cost performance in asset intensive industries.
- There are plenty of opportunities for social networking and insightful conversations with your peers during the conference and social events.

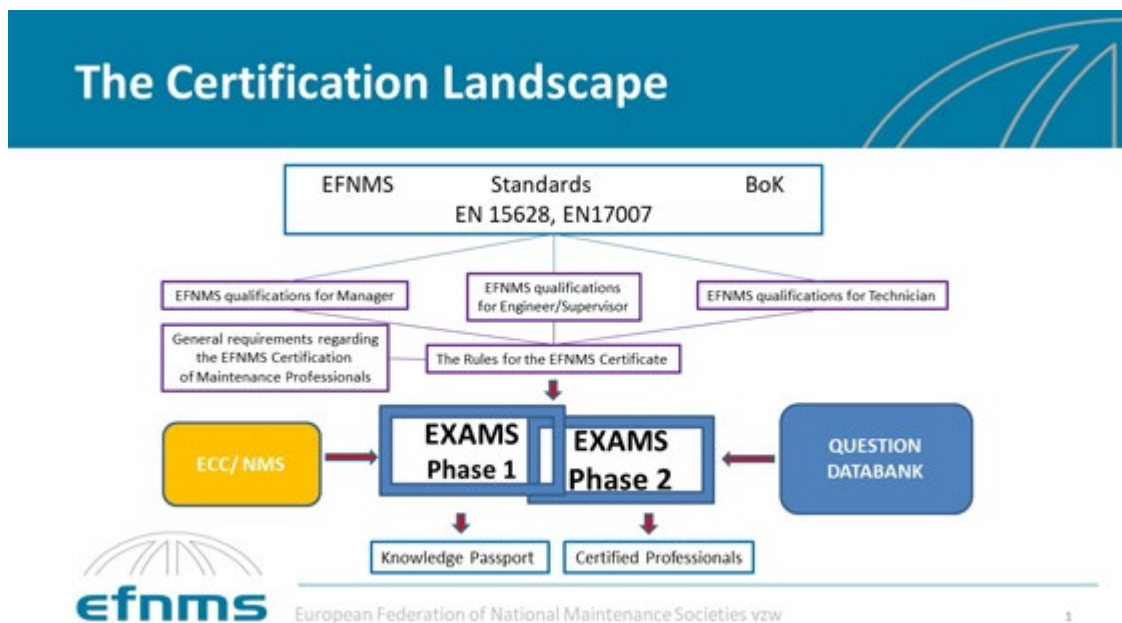
We look forward to welcoming you in Antwerp or online in October 2021!

EFNMS is renewing the certification model

EFNMS has certified European maintenance experts nearly 30 years. Now the Certification Committee will modernize the examination model totally, pen and paper type exam execution will be history, and new computerized model be tested first time in 2021.

The new model will be totally digitalized process = Questions database + Computerized exam + Automated correction and rating. Certification principles remain un-changed according EFNMS General Assembly decisions, Basic documents are Standards EN 15628 (Qualification of maintenance personnel) and EN 17007 (Maintenance process). Also, EFNMS Body of Knowledge and other material in EFNMS webpages, are complementing the information material.

Four levels of EFNMS certification, Manager, Engineer, Supervisor and Technician are in the palette, Manager level certification test will be the first digitalized examination.



Six EFNMS member country, Sweden, Iceland, Hungary, Slovenia, Czech Republic and Finland, are working in an EU financed project for a modern oriented industrial validation system based on qualifications. In this ERASSMUS+ project (qualification, validation, and certification of maintenance personnel) the multinational project team is writing new questions for exams. The new question set is implemented to a database to make computerized examination execution possible.

Preventive Maintenance Tasks for COVID-19 Exposed Maintainers

Dr J. Knezevic, MIRCE Academy, Exeter, UK

Maintainers of all types and qualifications regularly perform numerous maintenance tasks on variety of assets, from bicycles to nuclear power stations. However, since the beginning of 2020 maintainers are exposed to a new respiratory disease, COVID-19, that is now a global pandemic. Hence, they now need to take maintenance tasks to prevent themselves from a potential “failure” of their health, which could cause serious damage, including death.

Although the virus is mainly spread through physical contacts between people, it is possible to catch or spread it by touching a surface that has living COVID-19 virus on it and then touching mouth, nose, or eyes. Thus, maintenance organisations are obliged to reduce the probability of potential infections among maintainers. The most effective preventive tasks that maintainers should be taking to protect themselves from the COVID-19 infection are presented below.

Thus:

- Wipe down with a disinfectant frequently touched surfaces, such as: steering wheels, gear sticks, petrol cups, switches, door handles and similar surfaces.
- Sanitise equipment, like: hand-held computers, scanners, toolboxes, phones and cart handles used to haul equipment.
- Wash your own hands after the completion of each maintenance task or service call.
- Promote respiratory etiquette by covering a cough or sneeze with a tissue or sleeve to avoid expelling viral secretions on surrounding surfaces.
- Break the chain of transmission by keeping “social distancing”, as it is the main preventive method for slowing the spread of the virus.

While considering the best practices describe above, it is essential to know that the virus can survive for 72 hours on a not cleaned surface.



20 years of Czech industrial maintenance

CZECHIA – CSPU Czech Maintenance Society (Česká společnost pro údržbu)

ČSPÚ was established in 2000 and has been active in the field of maintenance continuously for the past 20 years. The mission of ČSPÚ is the development, acquisition and dissemination of new knowledge in the field of physical asset management and maintenance engineering to satisfy the professional needs of its members and improvement of asset management, maintenance and operations of their production equipment.

ČSPÚ has more than 60 individual and more than 50 collective members (companies and other organizations). ČSPÚ is governed by an eleven-member board, headed by the chairman and executive director, and its activities are controlled by the supervisory board. The supreme body of the CSPU is the General Assembly – very much like in the EFNMS.

ČSPÚ is partnered with Czech Automotive Industry Association (AutoSAP), Chemical industry association ČR (SCHP ČR) and National Center of Industry 4.0 (NCP 4.0) and is also a member (as

mentioned above) of the European Federation of National Maintenance Societies (EFNMS) and the Czech Chamber of Commerce.

While ČSPÚ has a number of activities, it focuses mainly on:

- Bringing together professionals and organizations in the field of maintenance
- Organizing maintenance conferences (twice per year)
- Organizing and providing training in maintenance (it offers certification of Maintenance Manager, Maintenance Technician, Master of Maintenance)
- Audits and analyses of maintenance management and consultancy in general
- Contributing to maintenance research

Bringing people together

The two key events, that ČSPÚ annually organizes, are traditional industrial conferences – „**International conference of Maintenance**“ and „**Maintenance for TOP Managers**“, both with ca 130 participants. ČSPÚ organizes the conference since 2003 with a great success. The conference is sponsored annually by the Ministry of industry and trade of the Czech Republic and among its general partners is also the EFNMS.



Annual conferences organized by ČSPÚ in Liblice Chateaux attended by ca 130 participants.

Educating and knowledge sharing

ČSPÚ offers complex training and education of maintenance personnel according to EN 15628:2015 Qualification of maintenance personnel and aligned with the recommendations of EFNMS. The offered education programs are divided into 3 levels and provided as life-long learning mainly for professionals from industry:

- Maintenance Manager (160 study hours, 20 tuition days, with final thesis)
- Maintenance Technician Specialist (96 study hours, 12 tuition days)
- Maintenance Supervisor (64 study hours, 8 tuition days)

The courses have been finished by more than 600 graduates, 127 of them with national professional certificates.



prof. Václav Legát, Honorary chairman of the Czech Maintenance Society Jan Hroch, Executive director of the Czech Maintenance Society Jan Škarka, Member of the board Tomáš Hladík, Member of the board, Member of the EFNMS GA

<https://udrzba-cspu.cz>

Best practice examples: How do other companies proceed?

Search through the application database for best practice examples in maintenance, asset management and digitisation free of charge.

Where can you find concrete practical examples of implemented projects in maintenance, asset management and digitisation/industry 4.0? Now available in the application database of dankl+partner consulting | MCP Germany.

The freely accessible database covers the subject areas maintenance, asset management and digitisation/industry 4.0 and has been online since the beginning of November. Structured according to the System for Excellence - S4E, it is divided into intelligent topic modules.

"With our application database, we are offering technicians and maintenance staff for the first time the opportunity to find implemented practical solutions for the current tasks in their company - free of charge and from anywhere," says Andreas Dankl, Managing Director of dankl+partner consulting | MCP Deutschland GmbH, emphasising the benefits for users.

The platform contains **concrete, innovative and up-to-date practical examples**. Widely distributed and yet clearly defined in subject areas for maintenance, asset management and digitalisation/industry 4.0. Free of charge at www.dankl.com/anwendungsdatenbank.

The examples report from the initial situation of a company about **concrete solution approaches, introduction- and implementation-steps, the required effort and the achieved benefit**.

Andreas Dankl would like to invite service and product providers in the above-mentioned areas. "Research, construction and implementation of the platform was very complex. It is difficult to find and publish good practice examples. That is why I would like to invite all solution providers - send us your project reports. After an appropriate editorial check, we will put them online. You can clearly show your USP with your examples".

Currently, all examples are shown in German language. English language examples will be sought.

Engie EMS and Saudi Aramco win first virtual edition of Asset Performance Awards

Brussels, 29 October 2020 - Following the successful 2019 edition, which attracted more than 350 interested parties, this year BEMAS organised the second edition of the Asset Performance Awards. Some ten companies applied for the competition, which was originally scheduled to take place in June. Due to the coronavirus, the symposium was transformed into 3 webinars. The awards show was also given a virtual look.

BEMAS presents not one, but three awards in maintenance and asset management. With this transformation, the trade union responds to some important trends in the metier of maintenance, such as maintenance that fits into the asset management strategy in the long term so that the assets deliver the desired performance.

During the awards show Strategy Execution Specialist Jeroen De Flander presented an exciting keynote about the steps you can take as a company to prepare your team for maintenance 4.0. These steps have certainly been mastered by the 6 finalists. The Asset Performance 4.0 Award, for example, goes to companies that are already well advanced in their digital transformation, such as the finalists Engie EMS, Siemens Logistics and Yara Tertre. The award for Best Improvement in Maintenance & Asset Management rewards organisations that have taken a big step forward in the applied maintenance and asset management practices. The finalists were Cargill and Saudi Aramco.

However, achieving excellent results in the field of Asset Performance cannot be achieved without an excellent technical team. That is why BEMAS also honours a Technical Team of the Year. Due to the corona crisis, only one finalist remained, which gives the ITIS technical team an honourable mention in this edition.

Engie European Maintenance Support: Asset Performance 4.0 Award

Engie EMS won the Asset Performance 4.0 Award for their digitisation project with Robin Analytics. On the basis of controlled analyses, they were able to predict failures up to human-readable recommendations. In this way, maintenance is planned in a simple way. The jury was particularly impressed by the rational approach based on KPIs and proven results. Marc Eyckmans and Carl Van Honacker received the award virtually.

Saudi Aramco: Best Improvement in Maintenance & Asset Management

The first international participant immediately won a prize. Saudi Aramco was confronted with many availability problems and cancellations. In order to solve this systematically, they worked methodically and rationally, which the jury appreciated. The progress was spectacular, and there was also a clear change in the company culture with regard to reliability. Osamah Al-Ghamdi and Ridha Abbas represented Saudi Aramco during the award show.

All presentations can be reviewed via the platform www.assetperformance.eu.

The GloMe Guidebook is available for purchase now

The Global Metricators Guidebook – “GloMe” is now published and offered to the International Maintenance community with updated indicators and metrics.

Global Metricators



Measuring Maintenance and Reliability
Performance Internationally

1st Edition

A publication of
European Federation of National Maintenance Societies vzw

GloMe – the necessary guidebook

The objective of the Global Metricators Guidebook is to offer the global maintenance community a set of predefined indicators to be used by companies with a need to measure maintenance and reliability performance on a global basis. The indicators can be used by all organisations with a need to measure, track, report and compare maintenance and reliability performance.

The further objective for the document is to give a scale to measure maintenance or reliability performance. Best-in-Class values for the metricators can be find in Section 6 of GloMe. Best-in-Class values help organisations to identify improvement gaps in maintenance and availability performance.

Also, a chapter in GloMe suggest indicators to be deployed on the maintenance processes. This is a the GloMe authors response to the question from the international maintenance community on “Which indicators to apply to my maintenance processes?”

The chapter links the metricators to the Maintenance processes from the standard EN 17007.

The indicators included in the Global Metricators Guidebook are supported by a set of guidelines and example calculations. This provides maintenance professionals with an easy-to-use guide for understanding the indicators, and of the components which are included or excluded in the calculation of each indicator.

The GloMe is a publication of European Federation of National Maintenance Societies vzw.

GloMe will be included in the EFNMS future benchmarking workshops as a complementary documentation.

The GloMe guidebook is sold from the EFNMS website

The GloMe guidebook is available from the EFNMS website at the price of 35 € for the members of an EFNMS society. For Non-EFNMS society members of the price is 70 €.

[Read more >>](#)

To directly purchase the GloMe Guidebook go to the [EFNMS Shop >>](#)

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Best regards,
EFNMS Newsletter Team

With Maintenance Greetings

Cosmas Vamvalis **Mia Ilkko**

EFNMS – European Federation of National Maintenance Societies

Editor

Eini Ontronen

Finnish Maintenance Society, Promaint



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