



EFNMS Newsletter #13

(September 2020)

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Events

EuroMaintenance proudly presents the Workshop Program

The biggest maintenance event Europe has ever seen is taking place from 29 to 31 March 2021 in the brand new, state-of-the-art, Rotterdam Ahoy Convention Centre (RACC). On the initiative of the NVDO (Dutch Maintenance Society) EuroMaintenance and Maintenance NEXT are welcoming thousands of maintenance professionals from around the world in the spring of 2021.



Alongside the exhibition they will be treated to three full days of valuable presentations, workshops, demonstrations and company visits throughout the entire Botlek region. Showing, Seeing, Hearing, Doing!

EuroMaintenance, the largest European congress on maintenance has existed since 1972 and is an initiative of the EFNMS (European Federation of National Maintenance Societies).

Check euromaintenance.net regularly!

A safe and hospitable visit to EuroMaintenanceNEXT in March 2021

Saskia Vernooij, Manager B2B Event Rotterdam Ahoy on behalf of the EuroMaintenance Team;

“Over the past months Rotterdam Ahoy has made a detailed plan on how to meet each other during exhibitions and events in our current society.

Based on all developments and advices from the government and the RIVM (The Dutch Institute for Health and Environment) we have decided that EuroMaintenanceNEXT will take place from 29th to 31st of March in a safe and hospitable manner.

Since we spend a lot of our time online nowadays, we have noticed that there is a strong desire to meet each other live again. The safety of our exhibitors and visitors is our top priority, so our team is working hard on preparations for the exhibition. Think health checks, constantly cleaning the general areas and live streaming. In the coming months we will gain good experience with other trade fairs and conferences in Rotterdam Ahoy”.

[Read more >>](#)

Maintenance Day 19th Nov 2020 | by APMI

The Portuguese Maintenance Society, APMI (*Associação Portuguesa de Manutenção Industrial*) promotes the "Maintenance Day" every two years. Due to SARS-COV2 pandemic situation, this year the "Maintenance Day 2020" (*Jornadas de Manutenção 2020*) will be developed exclusively on an online format in one day instead of the usual and traditional two-day face-to-face event.

This is an event where maintenance technicians and professionals share their experiences, present new approaches and technologies and participate on debates about actual and emerging issues and challenges to maintenance.



The banner features a 3D illustration of several interlocking gears. One gear in the foreground is blue and has the text 'JM 2020' written on it. The APMI logo is in the top left corner. Text on the banner includes 'MAINTENANCE DAY 2020 (JM 2020)', 'ONLINE EVENT 19th November 2020', 'PARTICIPATE IN THE 1st EDITION OF "MAINTENANCE DAY" (JORNADAS DE MANUTENÇÃO) EXCLUSIVELY ONLINE', 'MAKE PART OF OUR HISTORY!', and 'See more information in www.apmi.pt'.

APMI
Associação Portuguesa
de Manutenção Industrial

**MAINTENANCE DAY
2020 (JM 2020)**

**ONLINE EVENT
19th November 2020**

*"Maintenance and Asset
Management in times of
uncertainty"*

PARTICIPATE IN THE 1st EDITION OF
"MAINTENANCE DAY" (JORNADAS DE MANUTENÇÃO)
EXCLUSIVELY ONLINE

MAKE PART OF OUR HISTORY !

See more information in www.apmi.pt

[Read more >>](#)

Increase the flexibility of (your) maintenance, but do it right

Trainer: Andreas Dankl, Ludwig Grubauer (dankl+partner | MCP Deutschland GmbH)

The weakening economy and the corona virus are leading to reduced production and plant utilization – and that also requires adjustments in maintenance.

Now it is time, to increase the flexibility of maintenance in the correct way. It is essential to identify and implement the correct adaption measures. Because only effective measures increase the flexibility and efficiency of maintenance and enable an immediate improvement in operating results.

In practice, 15 approaches for adapting maintenance and increasing flexibility and efficiency have proven to be particularly effective. The 15 approaches are summarized in thematic blocks and explained and discussed in four compact online seminars. The first online seminar will be on 1st of October 2020, 2 PM - registrations are still possible. Discussions will take place in small groups, so places are limited.

Online seminars: Increase the flexibility of maintenance - but do it right

Date: 1st of October 2020, 2 PM – approx. 3:45 PM, online

[Read more >>](#)

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 >>](#)

Activities

EFNMS strengthens its ties with EU-OSHA

EFNMS strengthens its ties with EU-OSHA by being selected a Campaign Steering Group Member.

It has been a decade since EFNMS's EHSEC has been actively supporting the EU Occupational Safety and Health Association (EU-OSHA)'s Campaigns; the stimulus was the 2010-2011 Safe Maintenance Campaign in which EFNMS became an official partner in the sense of supporting the EU-OSHA efforts to "reach out the word" among its Maintenance Societies. As of then, EFNMS has become a consistent booster of the Campaigns and last year received a special nomination for its efforts.

During each Campaign EFNMS orders and distributes thousands of EU-OSHA promotional materials; in Euromaintenance 2018 in Antwerp a special stand was dedicated for this purpose with the aid of BEMAS.

In 2014 EFNMS's Health & Safety Committee (EHSEC) strategy for an "extrovert way forward" included a closer cooperation and presence in EU-OSHA's events and publications. In the 2018 Euromaintenance, EU-OSHA honored the event by participating with a speech by Project Manager Dr **Dietmar Elsler**.

On June 2020, EU-OSHA invited EFNMS to be one of the six Steering Group members of the new "Lighten the Load" 2020-2021 Campaign on reducing the musculoskeletal disorders in the workplace. EFNMS is going to be represented by the EHSEC Chairman Dr George Scroubelos; a great honor as well as an enormous challenge for the largest Organization in Europe to support EU-OSHA's efforts.

News

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.

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.

Global Metricators



Measuring Maintenance and Reliability
Performance Internationally

1st Edition

A publication of
European Federation of National Maintenance Societies vzw

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 found 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 suggests indicators to be deployed on the maintenance processes. This is 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 the price is 70 €.

[Read more >>](#)

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

Winners of the hackathons at Asset Performance 4.0

Gemsotec, Kapernikov and Yazzoom-Engie Laborelec winners of the hackathons at Asset Performance 4.0

Leading up to the virtual conference and webinar series Asset Performance 4.0, BEMAS, the Belgian Maintenance Association, organized 3 virtual hackathons about hot topics in maintenance. The challenges were provided by Aquafin and Fluvius, who chose the winners on September 17th, 2020. Gemsotec, Kapernikov and the duo Yazzoom – Engie Laborelec were crowned the winners of these hackathons.

Predicting pump failures based on sensor data

The first hackathon by Aquafin asked the contestants to predict pump failures based on sensor data of pump stations. Out of 13 submissions, the 3 finalists Gemsotec-Danubius, Element61, and I-care-Yazzoom were chosen.

“When comparing the submissions, Danubius-Gemsotec received the highest overall score,” **Kris De Gussem**, at Aquafin, concludes. “Contributing to this are the clear representation of the results, the usage of the cloudstack Aquafin plans to use as well, and the insights given into the model accuracy and model execution time.” With these words, Aquafin crowned Geert Sergoyne and his team as the winner.

Create a reporting tool for field asset data collection

Fluvius announced the second hackathon, in which the company is looking for more flexibility: they want to unite different tools, working methods and structures into 1 useful app. The three finalists Brolz, Kapernikov and Tenforce presented their cases, each with their own view.

The final winner is Kapernikov, who used easy to use open source software to create a cost effective and user friendly tool. “It wasn’t an easy decision, due to the fact the 3 finalists brought very different angles,” says **Andy Gouwy**, at Fluvius. “Kapernikovs solution holds the middle between the other finalists’ solutions. As an open-source solution it is probably best suited to the current needs of Fluvius.”

Predicting failures based on temperature & humidity sensor data

Last year, Fluvius installed temperature and humidity sensors in their electrical substations. Now they opened the challenge on how to predict failures based on this sensor data. Out of several cases, I-care, Yazzoom-Engie Laborelec and CARL Software were chosen as the 3 finalists.

Re-watch the recordings and pitches

Next to the finalists, the other contestants also got a chance to pitch their solutions at Asset Performance 4.0. All recordings can be re-watched on the Asset Performance 4.0 platform on www.assetperformance.eu.

More information

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FMEA and RCM Electronic Database

For over 50 years, many organizations in the Energy sector and others has been input a lot of effort and invest in FMEA and RCM analysis. However, such information is somehow lost and this process is repeated again and again. Therefore, it's time to invest in the FMEA and RCM database.

The FMEA electronic database provides valuable information such as equipment and component failure mode, causes, consequence and mitigation actions. However, The FMEA scope must go deeper in the rotating, static and safety equipment's component. The main advantages of FMEA Electronic Database implementation are:

- To use equipment and component failure modes, cause, consequence and mitigation actions as the basic information for FRACAS, CMMS, SAP and Asset Management system.
- To use the FMEA database during the FMEA workshops and save time, effort and money.
- To use the FMEA database to standardize your organization description of failure modes, causes and consequences.
- Enable the employees access the database whenever they want.

The RCM databases provide equipment and component preventive maintenance tasks based on equipment and component FMEA. Despite the frequency of the task will change a long time, the type of the task will remain the same. The Advantages of RCM Database implementation are:

- To use Preventive Maintenance tasks as the basis for FRACAS, CMMS, SAP and Asset Management system.
- To use the RCM database during the RCM workshops and save time, effort and money.
- To use the RCM database to standardize your organization PM plan.

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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.

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Best regards,
EFNMS Newsletter Team

With Maintenance Greetings

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