



EFNMS Newsletter #4

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Activities

SOROMENT, the Romanian Maintenance Society



**SOCIETATEA ROMÂNĂ
DE MENTENANȚĂ**

SOROMENT, the Romanian Maintenance Society, is EFNMS's newest member. Set up in 2011, SOROMENT is a non-profit organization working hard towards improving maintenance activities, defining and implementing in Romania maintenance standards in accordance with the best practices around the world. The main objective of SOROMENT is to offer its' members and the Romanian maintenance industry an open platform for debate, for free exchange of information, expertise and best practices.

As an independent organization, SOROMENT brings together information and expertise, promote strict implementation of proper performance standards within the Romanian maintenance industry and raise the awareness on how important our activity is.

"I believe that for our members – as it is the case for the entire Romanian maintenance industry – it is essential to have up-to-date information and technical expertise as well as the best practice in the field. From this point of view, our partnership with EFNMS brings us the technical expertise, training and technical education which is recognized worldwide. As such, we are able to fulfill our most important objective, to make SOROMENT a platform for exchange of information and professional expertise" says **Cosmin Turcu**, President of SOROMENT.

SOROMENT has been working hard to identify and bring together the experts in the industrial maintenance field in Romania, fit to give proper weight to its endeavor.

SOROMENT has three strategic development directions: a) defend our members' legal rights and business interests; b) introduce and promote new technologies and good practices in the aria of industrial maintenance; c) nurture the new generation of maintenance engineers, helping them to acquire new skills and develop.

Contact person: **Cosmin Turcu** (+40 745 344 978),
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Development of a new standard for maintenance engineering

The work on a European Standard for maintenance engineering started in 2017 under the umbrella of committee [CEN/TC 319 Maintenance](#). The aim is to describe and promote maintenance engineering within the field of maintenance.

Why a standard for maintenance engineering?

The right focus of maintenance engineering will contribute to optimized profit, increased uptime and improvement of health, safety and environment. Maintenance engineering supports the asset management strategies and is defined as a

- engineering discipline developing and applying methods, tools and techniques to influence design and to assure that an item is in a state in which it can perform its required functions in a safe, sustainable and cost-effective manner throughout the life cycle [Source: Draft standard, September 2018]

There are no standards covering the subject, and the work will support the system of European standards within maintenance.

Target group

The main target group of the standard is personnel involved in design, procurement, construction, operation, improvement, maintenance and retirement (decommissioning) of items and physical assets. Relevant both for private and public sector and independent of the size of the organization.

Scope of work

The Standard aims to cover

- generic principles, criteria and contents of maintenance engineering
- all life cycle stages
- methods and techniques to maintain and improve the function of items
- maintenance engineering contribution to assure the required integrity, safety, reliability and maintainability to achieve a sustainable balance between performance, risk and costs.

Progress and meetings

During the first year of development, the working group has agreed on a definition of maintenance engineering, aspects and scope of maintenance engineering and made a draft standard and flowchart. Six meetings have been held and the next meetings are planned for October 2018, and February + June 2019.



Photo: Nicolas Tourenc

How to get involved?

The work is done by a working group [CEN/TC 319 WG 14 Maintenance engineering](#). You can still join the work and all interest parties are welcome. To get involved in this work, [contact your national standardization body](#).

Questions?

Contact Convenor Mr. **Per Schjolberg**, per.schjolberg@ntnu.no, +47 930 03 840.
Secretary Ms. **Merete Murvold**, mmu@standard.no, +47 920 55 485.

Common understanding for physical asset management

From EAMC (European Asset Management Committee)

Physical asset management is one of the hot topics today, therefore it is important to understand the concept of asset management in the same way.

ISO 55000 standard defines asset management as follows: asset management is coordinated activities of an organization to realize value from physical assets. In the life cycle context, physical asset management is the optimal life cycle management of physical assets to sustainably achieve the stated business objectives. EN 16646 considers physical asset management to include all the life cycle stages from the needs and feasibility assessments for assets through all the other stages over to disposal.

Physical asset management focuses investments, asset related activities of utilisation of the assets, maintenance of the assets, improvements, modifications and modernisations of the assets during their useful economic life and disposals, reuse etc. From the asset management system point of view the scope of the asset management can be illustrated with *Figure 1*.

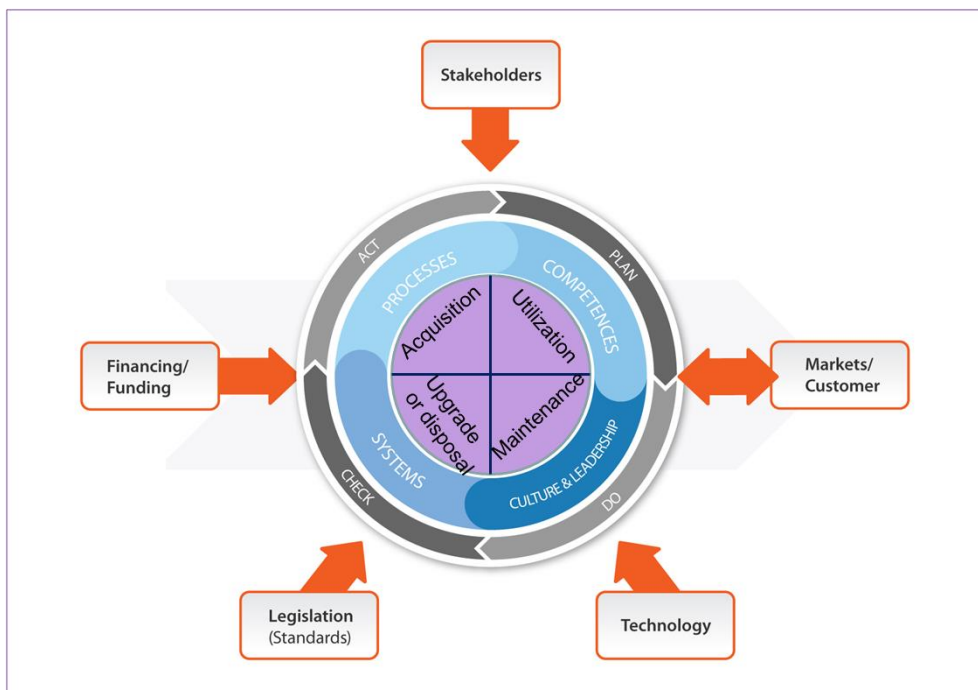


Figure 1. The scope of the asset management.

As a conclusion it can be stated that maintenance is one of the key functions of the asset management, but physical management is not equal to maintenance.

According to EN16646, a physical asset is an item that has potential or actual value to an organization. Life cycle of an item may contain several life cycles of a physical asset, because an item can have several sequential owners during its life cycle.

Asset management standards refer to an asset hierarchy. The asset hierarchy has usually three levels

- 1) asset portfolio e.g. is comprised of several asset systems
- 2) asset system e.g. is a plant or a production line or a sub-process
- 3) individual asset such as a pump.

Organisations can determine intermediate levels when needed, and the scope of various levels can be defined company-wise. Asset management is a vital and comprehensive tool especially for the portfolio and asset system levels.

Events

Euromaintenance 4.0

After the last edition of Euromaintenance 4.0, from 24 to 27 September 2018 at the Flanders Meeting & Convention Center Antwerp, we can say without exaggeration: the absentees were wrong.

It was the second time that BEMAS could bring Euromaintenance to Belgium. The organisers are proud that they have twice succeeded in organising the most successful edition in the history of this conference.

In 2008 there were over 750 participants, and this year the result was even better with almost 1300 visitors to the conference and trade show.

The focus on 4.0 technologies has thus clearly paid off and the success shows that any asset owner who wants to continue to play a significant role must be aware of the new techniques that currently exist and will come onto the market in the coming years.

Several highlights

The well-filled Euromaintenance 4.0 programme allowed all visitors to put together their own route: more than 20 workshops, more than 100 presentations in 7 parallel tracks and various keynote presentations.

And of course also the much appreciated exhibition concept that was positively evaluated by both the exhibitors and the visitors. And all this in the recently fully renovated Flanders Meeting & Convention Center Antwerp, right next to the Antwerp Zoo.

During an award ceremony, Belgian **Marc De Kerf** was given the European Maintenance Manager of the Year Award, and at the end of the conference, the Best Presentation Award was presented to the speakers who received the highest scores for their presentation.

Download all presentations

Everyone who participated in Euromaintenance 4.0 was given access to all presentations and papers. You couldn't be there, but do you want this access? This is possible! For € 295 (ex VAT) we will send you a download link. A bargain for more than 100 top presentations by international experts. Mail to info@bemas.org for more info.

Euromaintenance (4.0) is an initiative of the EFNMS, and was organized by BEMAS & Reliabilityweb with the support of EASA and the Salvetti Foundation.

The next edition of Euromaintenance will take place in 2021 in Amsterdam under the auspices of NVDO (Dutch Association for Efficient Maintenance). www.nvdo.nl

Unique Collaboration within EuroMaintenance 2021 started!

The most important trade fair for industrial maintenance of the Benelux and Europe's largest maintenance conference will be held together. This is an initiative of the Dutch Maintenance Society (NVDO).

The completely renewed Rotterdam Ahoy Convention Centre will host the largest maintenance event ever organised in Europe. Maintenance NEXT and Euromaintenance will together welcome thousands of maintenance professionals from all over the world who will visit the trade fair, substantive lectures, workshops, demonstrations, and company visits in areas such as the Botlek.

Synergy

In March 2021, EuroMaintenance and Maintenance NEXT will both be housed together in the brand-new Rotterdam Ahoy Convention Centre (RACC) which will open its doors at the end of 2020. This new building, part of the prestigious 'Hart van Zuid' area development project, will hold 35 halls and an auditorium with no less than 2,750 seats.

Gert-Jan van den Nieuwenhoff, Manager B2B Events at Rotterdam Ahoy, welcomed the announcement: "2021 is a special year for Ahoy; that year is our 50th anniversary and we will also open our brand new conference centre. That we can also accommodate such a large event, as EuroMaintenance is, at the start of that year, combined with our own trade fair Maintenance NEXT, is great news. Perfect synergy!"

Salveti Foundation awards graduates

Proclamation of the **Master Thesis Award 2018** and **Ph.D. Thesis Award 2018** at Antwerp, by Professor **Marco Macchi**, Politecnico di Milano and Chairman of the jury

The Master Thesis Award (MTA) and Ph.D. Thesis Award (PTA) are granted biennially by the European Federation of National Maintenance Societies (EFNMS) and the Salvetti Foundation. The objective of these awards is to promote, encourage and motivate the theoretical and applied research and developments in different topics related to maintenance knowledge and practice amongst the students of the European Universities and Research Institutes. The Awards will be presented by the Chairman of the Award Committee, Professor Marco Macchi from Politecnico di Milano.

The laureates are:



Mr. **Asier Erguido**

Winner of Master Thesis Award

Thesis title: **Asset management strategies optimisation for the wind energy sector based on life cycle cost analysis.**

The thesis develops analytical and simulation models to systematically analyze the impact that different asset management strategies can have in a wind farm life cycle cost, leading to find the optimal strategy.

Mr. Erguido currently works on a doctorate at the IK4-IKERLAN research institute in Bilbao. His research is mainly focused on after-sales services definition and optimisation based on the improvement of physical asset management strategies.



Dr. **Peter Chemweno**

Winner of Ph.D. Thesis Award

Thesis title: **The added value of asset management in power generation plants in developing countries context.**

Dr. Peter Chemweno received his Ph.D. from KU Leuven, Belgium in 2016. His Ph.D. focused on the topic of asset management, and more specifically addressing challenges faced by owners and operators of power generation assets with regards to leveraging on operation and maintenance data for decision support.

Currently Dr. Chemweno is Assistant Professor at University of Twente, where he teaches courses on product and production system design. His research interests extends to developing models for assessing safety of collaborative robot systems.

The 12th Maintenance Forum was completed with great success

In a "Maintenance" celebration, the 12th Maintenance Forum took place in Athens, with the participation of more than 230 CEOs, Plant Managers and Technical Directors, in 11-12th of October.

The annual "maintenance appointment" organized by the Hellenic Maintenance Society and Plant magazine reflected the trends of the coming years and the major changes that will be made in the field of industrial maintenance by the "retreat" of the traditional operating models, the ever-increasing use of sensors, cloud computing and the upcoming advent of robots. Welcome to Industry 4.0.



Distinguished speeches

At the same wavelength, **Antoine Despujols**, Chairman of AFNOR Maintenance Commission and one of the most important Europeans in the maintenance of EN standards, focused his speech on "A standard-based maintenance description to increase maintenance efficiency" used in the technical sections according to EN13306: 2017 and the procedures to be followed in the technical department according to EN17007: 2017.

Special mention was made by Mr. **Nezar Shammasi** Ex-Director of Corporate Maintenance Services in Saudi Aramco, a company with an annual turnover of \$ 30 billion. Mr. Shammasi presented his analysis of Saudi Aramco's five-year strategic plan to become world class in maintenance, reliability and asset management. The presentation focused on 4 key pillars: systems, assets, people and services.



As every year, this year the Maintenance Forum began with six (6) Workshops where TPM and Focus Improvement methodologies, European maintenance

indicators, maintenance strategy development, CMMS maintenance software, security and hygiene, and compressed air technologies.

News

e-catalog for industry 4.0

Spare parts management requires large companies resources to search for items in different catalogs, copy technical data and create user catalogs. It costs a lot of money and leads to wasted time, errors, redundancies, and difficulties to pool spares between sites.

A key problem is that each supplier and user has his own description of the items. There are countless different data models that require searching and sometimes reconstructing information.

The ec@t-npmi platform developed by AFIM provides an actual solution to this major industrial problem. The products are described according to homogeneous models based on the international standards eCl@ss and EAN. This allows manufacturers to file and update product data in a unique location and a certified format. Then, they are available to all users who can perform multi-criteria searches to compare and select products, find interchangeable components and manage their inventory effectively. For manufacturers, this is the way to make their products visible, especially to international markets by publishing related information in different languages.

Several big companies are now partners with AFIM to develop ec@t-npmi and enter the industry 4.0 where information is permanently available to manufacturers, designers, installers, maintainers, purchasers.

Today, ec@t-npmi contains one million items from 9000 suppliers and AFIM is open to any partnership concerning this platform (<http://www.ecat-npmi.fr>).

AFIM is the French national maintenance society representing maintenance engineers and technicians, consultants, teachers in maintenance (about 1100 members). It offers various services and products to its members: maintenance guide, website, newsletter, economic observatory, maintenance conference, training, etc. AFIM is also especially involved in analysis of accidents and occupational diseases in maintenance and in the electronic catalog of standard industrial components.

Asset Performance Management Survey started at Belgium

The Katholic University of Leuven started a survey focused to maintenance data management, one of the critical aspects of Asset Performance Management (APM). Through this survey, it is expected to explore the best practices in Belgian and European companies. Participating in the survey offers you the following benefits:

- a) A summary report of key results and findings of the survey.
- b) By participating in this survey, a different view of maintenance data

management may be seen, which will enhance data management practices at your organization.
c) Your participation will also contribute to new knowledge in maintenance data management.

[Link to the survey >>](#)

New leadership of EAMC

During the EAMC (European Asset Management Committee) meeting in Antwerp a new chairman and vice chairman was elected and installed. The reason for this change was the fact that **Paul Daugalis** (LTPIA) stopped as Chair because of work related issues. Also **Luis Ferreira** (APMI) had to end his activities as Vice Chairman. With great respect we thank Paul and Luis for their commitment, leadership, expertise and their inspiring attitude to force progress in the EAM activities. Both will stay active as a team member of EAMC.

New Chairman will be **Wout Theuws** (BEMAS) and Vice Chairman will be **Janez Tomazin** (DVS).



Wout Theuws Janez Tomazin

Wout has been active in the EAMC from the start of the committee and has a wide experience as asset owner at BOSAL. Janez Tomazin has also a wide experience in Asset Management.

EAMC - European Asset Management Committee

EAMC is recognized as the leading European network for knowledge and experience in physical asset management. That means that EAMC has competencies in Physical Asset Management which includes Design, Configuration, Operation, Continuous Improvement and Disposal.

Mission is to develop the Asset Management profession, enhance innovation and increase awareness of the importance and the significance of Asset Management.

[More about the EAMC >>](#)

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Best regards, EFNMS Newsletter Team

With Maintenance Greetings

Cosmas Vamvalis David Merbecks

EFNMS – European Federation of National Maintenance Societies

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Heikki Jokinen

Finnish Maintenance Society, Promaint



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