![PreMETS logo and header banner]

Predictive Maintenance Education & Training System

An alliance for boosting the European Innovation in Predictive Maintenance through entrepreneurial cooperation, education, and training

PreMETS NEWSLETTER No. 4

Strengthening Europe's predictive maintenance capacity through innovation, education, and collaboration

The PreMETS project continues to gain momentum across Europe, building bridges between education, research, and industry through innovative events, pilot programs, and hands-on learning. From highly engaging Open Days in Cyprus, Serbia and Austria to the successful pre-pilot and consortium meeting in Timișoara, the project is creating meaningful impact in predictive maintenance (PM) education and training. This issue highlights recent milestones and showcases how collaboration and learner-centered engagement are key to shaping the future of PM skills development.

Partners

Empowering the next generation of PM professionals

Through dynamic events, interactive learning, and a strong network of partners, PreMETS is actively shaping a new educational landscape for predictive maintenance. By engaging students, trainers, and industry stakeholders, the project promotes inclusive access to cutting-edge tools, micro-credentials, and cross-disciplinary resources that support long-term skills development in the era of Industry 4.0.

PreMETS platform pre-pilot held at ISIM, Timișoara!

The PreMETS pre-pilot event was successfully held at ISIM Timișoara from 4-8 November 2024, with 21 participants engaging in a five-day program focused on developing key competencies in predictive maintenance.

The agenda included interactive workshops on holistic, digital, green, resilience, and entrepreneurial skills, as well as a visit to an industrial site for practical demonstrations. According to the post-event assessment, based on feedback from 16 participants, the program was highly rated across all categories, with 50–78% of attendees reporting advanced or proficient knowledge gains.

Participants appreciated the diversity of the group, quality of content, and hands-on learning approach. Constructive suggestions included shortening the daily schedule, adding more real-world case studies, and improving support for online attendees.

At the same time, the 4th Transnational Project Meeting of the PreMETS project was held in a hybrid format at ISIM Timișoara on 7-8 November 2024, bringing together all consortium partners to review progress and plan upcoming activities. Key discussions focused on project coordination, platform development, work-based learning pilots, and dissemination strategies.

Important outcomes included the approval of Creative Commons licensing for PreMETS materials, planning of major pilots in Romania and Greece for spring 2025, and alignment on timelines for deliverables and reporting. All deliverables and milestones to date have been achieved, with strong internal quality evaluations.

The meeting concluded with clear next steps for content finalization, platform localization, and expanded outreach through upcoming Open Days and media engagements.

Over 100 students join PreMETS Open Day at European University of Cyprus

On 5 May, Acceligence organized a highly successful Open Day event at the European University of Cyprus. The event attracted over 100 participants, reaffirming the growing interest in Predictive Maintenance (PM) among university students.

The goal of the event was to present the PreMETS project in an accessible, engaging, and student-friendly way. Through a combination of interactive games, open discussions, and a guided exploration of the PreMETS digital platform, students were introduced to the core concepts of Predictive Maintenance, as well as the educational goals and digital resources developed by the project.

The on-site nature of the activities allowed for hands-on interaction with the PreMETS system, promoting deeper understanding through experiential learning. Students participated enthusiastically in the interactive elements, which encouraged not only technical curiosity but also collaborative thinking and dialogue around real-world PM applications.

The strong attendance and active involvement of students clearly demonstrated the relevance of the project's mission to younger generations of future engineers, technicians, and IT professionals. Feedback gathered during and after the event was overwhelmingly positive, with many participants praising the professional organization, clear communication of complex topics, and the practical orientation of the activities.

The success of this Open Day marks a significant step in PreMETS' outreach efforts, highlighting the importance of interactive, learner-centered events in promoting awareness and understanding of Predictive Maintenance across academic institutions.

PreMETS Open Day at Manufacturing Day in Vienna, Austria

On 9 May 2025, PreMETS proudly organized an Open Day at Manufacturing Day, the flagship event of EIT Manufacturing East, held as part of ViennaUP – Europe's largest decentralized startup festival.

The event brought together more than 500 industry professionals, startups, corporates, researchers, and investors to explore this year's theme: "Collaborate to Innovate" — with a strong focus on industrial competitiveness, energy transition, and strategic partnerships.

As part of the vibrant exhibition area, PreMETS had a dedicated booth where we presented our PreMETS platform to a highly engaged and international audience. Visitors had the opportunity to explore the platform's features, learn more about our mission, and discuss synergies with our team. The booth served as a valuable meeting point to connect with key stakeholders across the manufacturing and innovation ecosystem. We also promoted the PreMETS Open Day as part of the Manufacturing Day on the event page.

Through our presence at Manufacturing Day, we significantly increased outreach and visibility, initiated promising networking conversations, and sparked interest from potential collaborators who share our vision of accelerating transformation in manufacturing through digital solutions.

Met Inno Tech Day at Belgrade Metropolitan University featured a PreMETS panel

On 23 May, Belgrade Metropolitan University hosted Met Inno Tech Day, an Open Day event aimed at high school and university students interested in emerging technologies and innovations in IT. The event gathered around 50 participants, including students, educators, researchers, and industry representatives.

As part of one of the panel discussions, Prof. Nemanja Zdravković, Dean of the Faculty of Information Technology and Head of the Blockchain Laboratory, presented the PreMETS project and spoke about the importance of cybersecurity in the context of predictive maintenance. His talk emphasized the need to advance predictive maintenance education through digital tools, micro-credentialing, and cross-sector collaboration — core goals of the ERASMUS+ PreMETS project.

Special attention was given to the role of security in digital platforms and systems that rely on IoT devices and industrial sensors, with a focus on the challenges of data protection and infrastructure integrity within PM solutions.

The panel discussion sparked great interest from the audience, with engaging questions about the future of predictive maintenance, cybersecurity challenges, and career opportunities in the field. It was concluded that initiatives like PreMETS are essential for bridging the gap between education and industry, and for building resilient and secure technological solutions in the age of Industry 4.0.