INNOMEM press release – Update version

The INNOMEM project (Open Innovation Test Bed for nano-enabled Membranes), which started in April 2020, is nearing its conclusion. INNOMEM has successful developed promising and breakthrough membrane technologies that will now be made available on a commercial basis to all interested stakeholders. The developed technologies can be instrumental in addressing fundamental challenges of our lives, addressing problems like climate change, water treatment, sustainability, increased process efficiency, in addition to the technology itself.

Revolutionizing Membrane Technology: The INNOMEM Project Driving Innovation and Sustainability

INNOMEM is an H2020 project with a total budget of 16M€ funded by the EU with around 14.7M€. It is coordinated by TECNALIA Research & Innovation. The project brings together a consortium of 32 partners encompassing academia, research centers, SMEs, and large companies. This collaboration harnesses the expertise of leading membrane departments across Europe and recognized facilitators of technology transfer, corporate finance, funding, and coaching.

At its core, INNOMEM aims to revolutionize membrane technology by establishing an Open Innovation Test Bed, through which the most promising and breakthrough membrane manufacturing pilots, advanced characterization techniques, and modeling are offered, along with non-technical services made available to companies.

It was an ambitious and intriguing project that saw all partners unite their efforts towards a single goal: the creation of a Single Entry Point capable of providing access to a network of facilities and services for companies interested in the application and development of membrane technologies in various industrial processes. This endeavour has truly been a testament to the power of collaboration and innovation.

Different types of membrane materials, surface modification, membrane morphology and geometry and applications have been covered, a virtual testing lab and modelling lab have been created, providing - for the first time - a single entry point for industrial partners, mainly SMEs, aspiring to address their concerns with minimum investment costs and reduced risks associated with technology transfer, while opening-up opportunities for demonstration of innovative membranes in real life industrial problems (TRL7) and thus faster opening the market for these new products.

INNOMEM is not merely about advancing technology; it's about addressing pressing societal and environmental challenges. By focusing on climate change mitigation, water treatment, sustainability, and increasing process efficiency, the project aims to enhance citizens' lives while bolstering SMEs' competitiveness. By fostering collaboration and innovation, INNOMEM is paving the way for faster market adoption of innovative membrane products, ultimately driving positive change and economic growth.

The INNOMEM project incorporates democases to demonstrate the practical application and effectiveness of membrane technologies in real-world industrial scenarios. These democases serve as tangible examples of how membrane-based solutions can address specific challenges across various sectors.

These democase studies showcase the performance, efficiency gains, and environmental benefits of using membranes in different applications such as water treatment, gas separation, pharmaceutical manufacturing, food processing, and more.

INNOMEM has received funding from the European Union's Horizon 2020 Research and Innovation Program under Grant Agreement N° 862330.

The democases not only validate the technical feasibility and effectiveness of membrane solutions but also provide valuable insights into the practical challenges, operational considerations, and economic viability of implementing these technologies in industrial settings. By highlighting successful deployments and lessons learned, democases play a crucial role in driving the adoption and commercialization of membrane-based innovations.

Exploring Membrane Solutions at the INNOMEM Workshop in Prague

Some of the most interesting achievements and example of this long adventure will be presented during the final INNOMEM workshop in Prague as a satellite event of Euromembrane 2024 conference (10 September 2024, 14:00 – 18:00, Prague Congress Centre – Chamber Hall, Prague (CZ)). Here you will have the possibility to discover the opportunities of the 1st European single-entry point for all your membrane related questions!

More details can be found at : www.innomem.eu

https://www.linkedin.com/company/innomem-project/

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