



Towards Sustainable Process Industries

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Successful R&I in Europe 2019 - 10th European Networking Event
14-15 February 2019 - Düsseldorf

Excellence

➤ **Deep Knowledge of Whole Process Development**

- conceptual process design
- process system integration
- computer aided process engineering software
- guidance of research
- scale-up
- technical feasibility
- techno-economic evaluation (CAPEX, OPEX, ROI, NPV)
- environmental life cycle assessment (LCA)

Experience

➤ **Successful R&I in Europe**

- FP6 - (collaborative projects)
- FP7 - (collaborative projects)
- H2020 - (collaborative projects, Marie Curie projects)

➤ **Examples of ongoing H2020 RIA projects**

- NANOMENC2, see: www.nanomemc2.eu
- FALCON, see: www.falcon-biorefinery.eu

NanoMaterials Enhanced Membranes for Carbon Capture



The NANOMEMC₂ project is a research and innovation action of Horizon 2020 funded under the topic LCE-24-2016 "International cooperation with South Korea on new generation high-efficiency capture processes". It aims at reducing the cost, energy and process limitations which currently make pre and post-combustion CO₂ capture processes non-viable in many industrial applications. Through the development of innovative materials, membranes and membrane processes for CO₂ capture, the project aims to make possible a substantial reduction in energy penalty, a much lower cost and a reduction of CO₂ emissions.

This will allow for a radical step change in the deployment of Carbon Capture and Storage (CCS) technologies across EU industry, unleashing its potential for significant CO₂ emissions savings, which are key to reaching European targets for a more sustainable industry. In doing so, the project will seek strong collaboration with Korean counterparts on the basis of a common research path and strategy.

[Read more about the project](#)

[REGISTER FOR THE NANOMEMC₂ INDUSTRIAL WORKSHOP](#)

NEWS & EVENTS

14 Nov 2018

NANOMEMC₂ project featured on Horizon Magazine

Marco Giacinti, full professor at UNIBO, IT, and coordinator of NanoMEMC₂ project, and Maria-Chiara Ferrari, scientist at the University of Edinburgh, UK, have been interviewed for an article on Horizon, The EU research & Innovation [...]

[ALL NEWS](#)

NEWSLETTER

Subscribe now to receive NANOMEMC₂ newsletters, news about the project and forthcoming events in your email [SUBSCRIBE](#)



NANOMEMC₂ CONSORTIUM





About Falcon Project

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Welcome

Welcome to the FALCON project

Falcon is a project funded by the EU that aims at turning the lignin-rich industrial waste stream from second generation biofuel plants into higher value products, such as marine fuels, fuel additives and chemical building blocks.



Contact



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PARTNERS

Partners of the Falcon Project

INDUSTRIES IMPACTED

Biorefinery
Agriculture
Transport



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About Falcon Project

What we are looking for?



- **New project ideas to be developed ...**
- **New consortia under construction ...**
- **New collaborations ...**

- **... to join forces ...**

- **... towards sustainable process industries**
 - conventional, bio-based
 - fuels, chemicals, cosmetics, pharmaceuticals, food
 - Iron and steel, cement, glass, ceramics etc.

To discuss opportunities

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