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RETROFEED Process Industry Newsletter

AGROCHEMICAL • ALUMINIUM • CEMENT • CERAMIC • STEEL

September 2021

The project

What happened in the past months



May 2021 Promoting A Bio-Based Circular Economy

Circular economy involves keeping **materials in use for as long as possible** through actions such as recycling and reuse, and RETROFEED aims to address the longevity of industrial materials by retrofitting the core equipment of energy intensive industries, enabling the use of alternative feedstocks promoting bio-based and circular concepts. The approach was presented at **EUBCE on 29th April 2021**, the world's **largest biomass** conference and exhibit.

[Check it out!](#)



April 2021 State-of-the-art of the industrial digital landscape

The last industrial revolution may have started in the digital service sector but in the past decade heavy **industries are slowly embracing the new digital wave** with the design and development of specific tools that could help their manufacturing processes increasing productivity and therefore competitiveness.

[Discover more](#)



February 2021 Industrial Processes going digital!

In the recovery plans for the soon-to-be post-Covid-19 era, the **transition towards digitisation in industries** becomes one of the main key priorities of the European Commission. In the era of the fourth industrial revolution, digital solutions are having an impact in addressing our climate and energy needs.

[Curious? Read more!](#)

Upcoming Events

[Full list here](#)

EUSEW 2021 (25-28 October 2021)

The EU Sustainable Energy Week will take place on 25-29 October 2021 under the theme '*Towards 2030: Reshaping the European Energy System*': a 3-day digital Policy Conference, the EUSEW Awards, the second European Youth Energy Day as well as 1:1 video meetings, virtual stands and other networking activities.

[Read more](#)

ECOMONDO 2021 (26-29 October 2021)

Ecomondo is a showcase of the most effective technological solutions for the correct management and valorisation of waste in all its forms, as well as water savings, the efficient use of resources and raw and secondary materials, and energy savings and efficiency.

[Read more](#)

MADE IN STEEL (5-7 October 2021)

As one of the most known steel conferences and exhibitions, every two years 'Made in Steel' gathers major companies and groups from the steel industry (steel production, trade in raw materials, processing, distribution of steel products, utilisation). A chance not to be missed!

[Read more](#)

Hot off the press

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The European Commission updates its industrial strategy - [Read more](#)

How reusing waste heat can take aluminium one step closer to becoming a greener industry - [Read more](#)

Is Blockchain the solution for Carbon Tracing, Sustainable Supply Chains and Circular Economy? - [Read more](#)

Augmented Reality (AR) - From visualized data to x-applications for the digital energy industry - [Read more](#)

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About RETROFEED

RETROFEED main objective is to enable the use of an increasingly variable, bio-based and circular feedstock in process industries through the retrofitting of core equipment and the implementation of an advanced monitoring and control system, and providing support to the plant operators by means of a DSS – Decision Support System – covering the production chain. This approach will be demonstrated in five resource and energy intensive sectors (ceramic, cement, aluminium, steel, and agrochemical) with the potential to reach in average an increase of 22% in resource efficiency and 19% in energy efficiency, with a consequent reduction in costs and GHG emissions of 9.3 M€ and 135 kton CO2 respectively. Funded by the Horizon 2020 programme, it is a SPIRE 2030 initiative.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N.869939

[Find out more](#)

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