

Press release

FUREC project selected for EU Innovation Fund grant

- **FUREC project selected in second round of EU Innovation Fund**
- **RWE plans green and circular hydrogen production from residues in Limburg**
- **Hydrogen from raw material recycling saves around 500.000 tonnes of CO2 per year**
- **FUREC's chemical recycling of residual flows is a feasible, affordable and scalable technology to complement existing recycling methods**

Geertruidenberg, 13 July 2022



“We are delighted that FUREC has been selected by the EU Innovation Fund. It shows that with our project we can make a significant contribution to decarbonising the economy. For the chemical industry, hydrogen offers enormous opportunities for making the production process of raw materials more sustainable. This is where our project comes in. With FUREC, we are contributing to the creation of a centre for the circular economy in the Limburg region. At the same time, we are helping the chemical industry to reduce its CO2 emissions.”

Roger Miesen, CEO of RWE Generation SE

RWE's FUREC project, which will produce hydrogen from residues in Limburg, is one of 17 projects selected by the EU Innovation Fund to receive funding.

Under the name FUREC (Fuse Reuse Recycle), RWE wants to produce hydrogen for the chemical industry and help make production processes more sustainable. Residual flows, such as waste from Limburg, serve as a substitute for natural gas in the production of hydrogen. The project contributes to the ambition of the business community, knowledge institutes and the province, among others, to develop Limburg into a circular hub and a hydrogen junction between the Dutch seaports and the German Ruhr area. The project will create direct employment for at



least 130 people.

FUREC processes residual waste into raw material pellets, which are then converted at Chemelot into hydrogen, which is supplied to OCI Nitrogen's fertilizer plants. This reduces natural gas consumption at Chemelot by more than 280 million m³ per year, which is comparable to the annual consumption of approximately 200,000 households. FUREC yields a CO₂ reduction of approximately 500,000 tons per year. The CO₂ released during hydrogen production can be captured and stored in the future, or possibly used as a raw material. In addition to local sales at Chemelot, the hydrogen can also be transported to industry in Rotterdam and the Ruhr area via the (international) hydrogen infrastructure.

With the grant from the EU Innovation Fund, RWE is now developing the project at full speed towards an investment decision and speeding up the necessary permit procedures. In parallel, RWE is developing the installations, working on further sales of the hydrogen and making suitable residual flows available.





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RWE

RWE is leading the way to a green energy world. With an extensive investment and growth strategy, the company will expand its powerful, green generation capacity to 50 gigawatts internationally by 2030. RWE is investing €50 billion gross for this purpose in this decade. The portfolio is based on offshore and onshore wind, solar, hydrogen, batteries, biomass and gas. RWE Supply & Trading provides tailored energy solutions for large customers. RWE has locations in the attractive markets of Europe, North America and the Asia-Pacific region. The company is responsibly phasing out nuclear energy and coal. Government-mandated phaseout roadmaps have been defined for both of these energy sources. RWE employs around 19,000 people worldwide and has a clear target: to get to net zero by 2040. On its way there, the company has set itself ambitious targets for all activities that cause greenhouse gas emissions. The Science Based Targets initiative has confirmed that these emission reduction targets are in line with the Paris Agreement. Very much in the spirit of the company's purpose: Our energy for a sustainable life.

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