OMV

Press release

OMV unveils Austria's largest green hydrogen production plant

- **OMV's first-time production of green hydrogen on a commercial scale**
- **OMV has successfully started-up its plant in Schwechat near Vienna with an annual production of up to 1,500 metric tons of green hydrogen**
- **It contributes to the production of more sustainable fuels and chemicals at the premises of its Schwechat refinery**
- **OMV's green hydrogen plant will save up to 15,000 metric tons of CO_2 emissions annually**

Vienna, April 30, 2025 – OMV today announced the successful start-up of its 10 megawatts green hydrogen production plant, located at the Schwechat refinery near Vienna, the largest of its kind in Austria. Approximately EUR 25 million have been invested in the facility, which has the capacity to produce up to 1,500 metric tons of green hydrogen per year. The green hydrogen will be used to produce more sustainable fuels and chemicals, including sustainable aviation fuel (SAF) and renewable diesel (HVO). OMV's new 10 megawatts polymer electrolyte membrane (PEM) electrolyzer is powered entirely by renewable electricity generated from wind, hydro, and solar. This innovation leads to an annual savings of up to 15,000 metric tons of CO_2 emissions* equivalent to the CO_2 consumption of 2,000 persons per year**.

Martijn van Koten, OMV Board Member Fuels & Feedstock and Chemicals: "With the start-up of Austria's largest electrolysis plant, we are re-inventing how essentials we use in everyday life are produced sustainably. Green hydrogen is at the heart of this transformation, serving as a critical component in producing fuels and chemicals while advancing the decarbonization of our Schwechat site. By building robust local production and supply chains for green hydrogen in Europe, OMV is not only advancing climate goals but also safeguarding industrial progress. The expertise gained from this initiative will act as a springboard for pioneering projects, laying the foundation for a cleaner, more resilient tomorrow."

Aligned with European climate targets, OMV has set itself the goal of becoming net zero by 2050 at the latest. This will be supported by flagship transformation projects in areas such as geothermal energy, sustainable aviation fuel, and the chemical recycling in the chemical sector. A central component of this transformation is the production and use of green hydrogen, generated through electrolysis, to support the production processes at refineries.

The plant is certified according to the Renewable Energy Directive (EU) 2018/2001 (RED II) for producing RFNBOs (renewable fuel of non-biological origin). It is supported by the Climate and Energy

Fund Austria, and a part of the WIVA P&G - Hydrogen Initiative Model Region Austria Power & Gas. The support from Kommunalkredit during the development phase of the plant helped ensure the project's successful advancement and completion.

* The CO_2 savings are based on the GHG footprint of renewable hydrogen produced within the plant compared to the fossil comparator from the European Renewable Energy Directive (RED II) checked by the independent certification company TÜV SÜD during the regular certification audits according to RED II requirements.
** Based on EU average mix per person of 7.5t CO_2 eq/year according UBA report 2024

About making green hydrogen via PEM electrolysis

Making green hydrogen through PEM electrolysis involves splitting water into hydrogen and oxygen using renewable electricity. At the anode, oxygen and positively charged hydrogen protons are generated. These protons pass through the PEM, and at the cathode, they combine with electrons to form hydrogen gas. Since water consists of two hydrogen atoms for every oxygen atom, the process produces twice as much hydrogen as oxygen.

See also the OMV blog post for more details:

https://www.omv.com/en/media/insights/2024/demystifying-green-hydrogen

Key facts about the hydrogen plant

Location: OMV Schwechat refinery, 2320 Schwechat/Lower Austria

Capacity: 10 megawatts

Start of operation: April 2025

Production volume: up to 1,500 metric tons of green hydrogen per year

CO_2 emission savings: up to 15,000 metric tons per year

Investment volume: approx. EUR 25 million

Pictures, graphics, and videos can be found here.

About OMV Aktiengesellschaft

It is our purpose to re-invent essentials for sustainable living. OMV is transitioning to become an integrated sustainable chemicals, fuels and energy company with a focus on circular economy solutions. By gradually switching over to the low carbon business, OMV is striving to achieve net zero by 2050 at the latest. In 2024, the company generated revenues of 34 billion euros with a diverse and talented workforce of around 23,600 employees worldwide. OMV shares are traded on the Vienna Stock Exchange (OMV) and in the US as American Depository Receipts (OMVKY). Further information at www.omv.com

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