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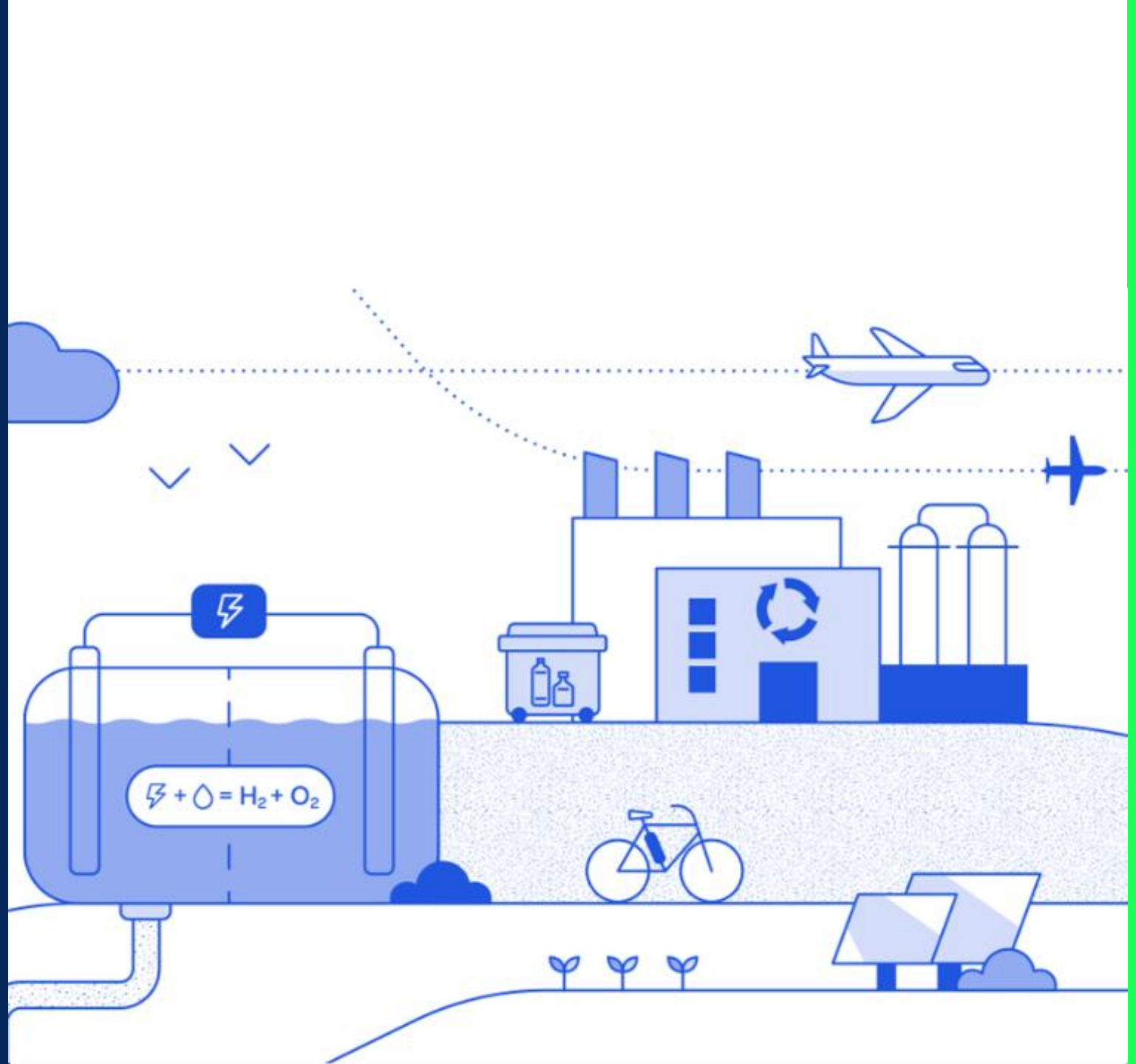
UpHy Large 140 MW

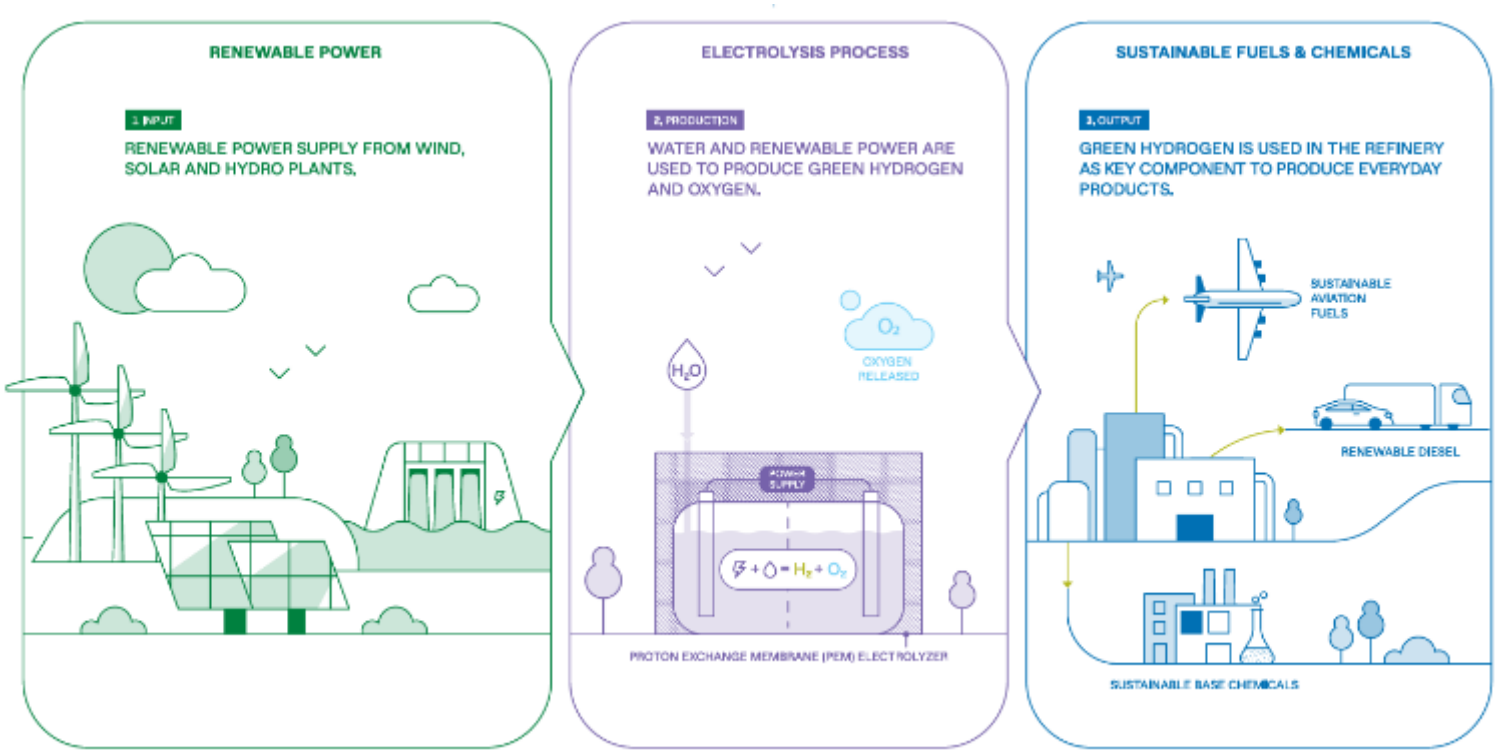
Large scale electrolysis plant in Austria



Oct 21, 2026 – Thomas Uitz – Raffinerie Schwechat

Green Hydrogen is an essential feedstock for reducing the Scope 1 emissions and the carbon footprint of all refinery products. It is key for the future production of synthetic fuels and chemical feedstocks

Green Hydrogen Value chain in OMV



Traditional feedstock

Bio

Synthetic

Chemicals

Traditional Fuels & Chemical Feedstocks

HVO/SAF
Other biofuels

Green Hydrogen
e-Fuels
syn. Chemicals

Sustainable & Renewable Chemicals

Project is progressing in line with the plan approved at FID. Less than a year left to the startup of one of the biggest electrolyzer in Europe in Bruck an der Leitha.

Where we are today…



Construction Site – September 2026

< 300 days until first Hydrogen production

…where we will be in end of 2027



3D Rendering of the plant

Achievements

- ✓ FID decision in 2025
- ✓ All permits received (construction and operation)
- ✓ Signed EPC contract with Siemens and Strabag
- ✓ 50% construction progress on site and on track
- ✓ 110kV trench completed, ready for cable pulling
- ✓ Pipeline: 90% in trench & refilled. 72% recultivated
- ✓ Strong HSSE culture on site

Outlook

- ❑ Start construction of refinery interface & delivery of HV Transformers
- ❑ Delivery of first electrolyzer modules
- ❑ Finalization of construction of the hydrogen pipeline & delivery of compressors
- ❑ Green Hydrogen produced

UpHyLarge is an integrated project from production of Green Hydrogen, transport per pipeline and connection into the refinery Schwechat



Electrolysis type:	Proton Exchange Membrane
Output Pressure (array):	100 mbar
	>75.5%
	down to 40%
	<10 l per kg hydrogen
	up to 99.999% with de-oxo dryer
	<1 minute
	up to 10%
	Optimized for 80k EOH*. Operation beyond 80k EOH possible.

UpHyLarge one-team approach: Stronger together for a sustainable future









This first commercial application of eMethanol in biofuels in Germany underscores OMV's commitment to driving the transformation of the mobility sector.

News

OMV brings eMethanol to commercial road transport in Germany for the first time

Strategic partnership with Solar Park Kassø (SPK) secures access to eMethanol from the world's largest eMethanol production facility in Denmark

RED III-compliant fuel solution creates additional opportunities to reduce emissions in road freight transport

Further milestone in OMV's strategy to scale synthetic fuels and support the decarbonization of the transportation sector

Further details: https://www.omv.com/de/magazin/insights/2026/emethanol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