

OMV at a glance

Three business segments cover the hydrocarbon value chain

Energy



- 486 ¹ kboe/d oil and gas production
 - Thereof 60% natural gas
- 4 core production regions
 - Central & Eastern Europe
 - Middle East & Africa
 - North Sea
 - Asia Pacific

Fuels & Feedstocks



- ~500 kbbl/d refining capacity
 - Thereof 369 kbbl/d in Austria, Germany and Romania
 - Thereof 138 kbbl/d (net to OMV) in UAE
- ~2,100 fuel retail outlets
 - In 10 central European countries
 - 6.4 mn t retail fuel sales volume

Chemicals & Materials



- 7.0 mn t base chemicals capacity
 - Top European producer
- 5.8 mn t polyolefins capacity
 - Among top 10 producers globally
- Joint Ventures in UAE and US
- European market leader in fertilizer and plastic recycling

OMV Strategy 2030

Become a leading sustainable fuels, chemicals and materials company – with a strong focus on shareholder value

Net zero by 2050 in Scope 1, 2 and 3



High cash flow generation | Clear investment criteria | Progressive dividend policy

Strategic priorities 2030

All business segments will contribute to the transformation

Business segments



- Become a global leader in specialty polyolefin solutions, with a significantly strengthened position in Asia and North America
- Scale up the circular business and diversify into new highvalue chemicals and materials for long-life applications



- Reconfigure refining in the direction of renewable fuels and chemical feedstock production with deeper chemicals integration
- Provide mobility solutions by building a sustainable fuels business and growing Retail through non-fuel business and e-mobility



- Leverage existing capabilities to provide sustainable energy solutions (geothermal, CCS)
- Reduce fossil production gradually and shift to natural gas, as an energy transition fuel until 2030

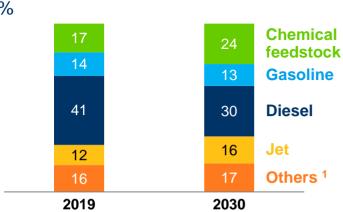


Build a sustainable growth business model, with focus on increasing returns for shareholders

Refining 2030

Increase sustainable fuels and reduce fossil throughput

Refining yield Schwechat and Burghausen



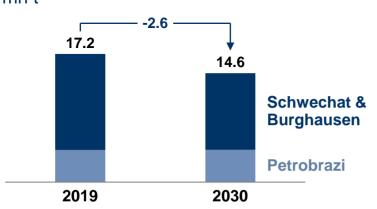
Increase production of sustainable fuels and chemical feedstock to



Maximize oil-to-chemicals integration in Western refineries



Refining CDU throughput Europe mn t



Decrease fossil throughput by



Decrease fossil road fuels production by around



Refining 2030

Clear investment plan to deliver sustainable fuels

Sustainable fuels and feedstock



~80% of 2030 feedstock requirements already has a clear sourcing plan

Refining Strategy 2030

The role of Hydrogen Developing innovative e-feedstocks as well as e-fuels solutions

Becoming a leader in synthetic feedstocks and sustainable mobility fuels in Europe

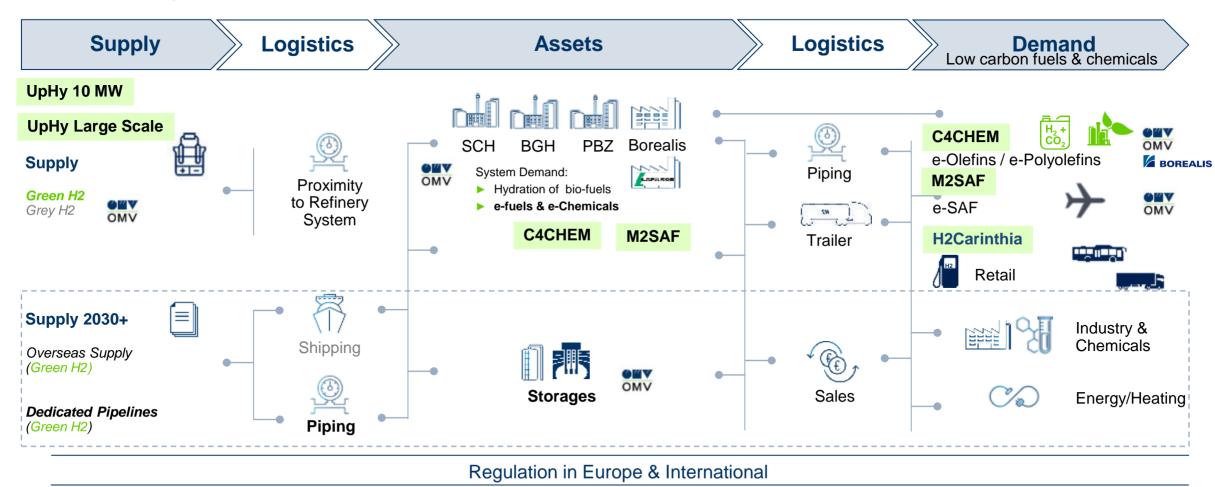
Focusing on new technologies & reliable feedstock accessibility, as well as Hydrogen sourcing options

Demand for sustainable feedstocks and mobility solutions, e.g. e-SAF

Sustainable feedstocks and products

Refining Strategy 2030

Hydrogen is a key strategic lever to lower own asset footprint and a key enabler for sustainable feedstocks and fuels



Technology Industry Scale-up

Refining Strategy 2030

Synthetic chemical feedstocks based on CO₂ & Green H₂

Feedstock

Chemical Synthethis

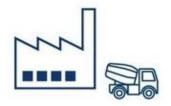
Renewable products

Carbon capture

Electrolysis

Precursors Synthesis

Chemical Upgrating











Renewable Chemicals (e.g. e-Olefins, e-Methanol)



Abounding sources: industrial emissions, biogenic emissions, waste incineration



 H_2

Green Hydrogen from RES & Water



Methanol (CH₃OH)

Chemical precursor for e-Olefins, e-SAF



Olefins

Basic chemicals for plastics. Chemical industry





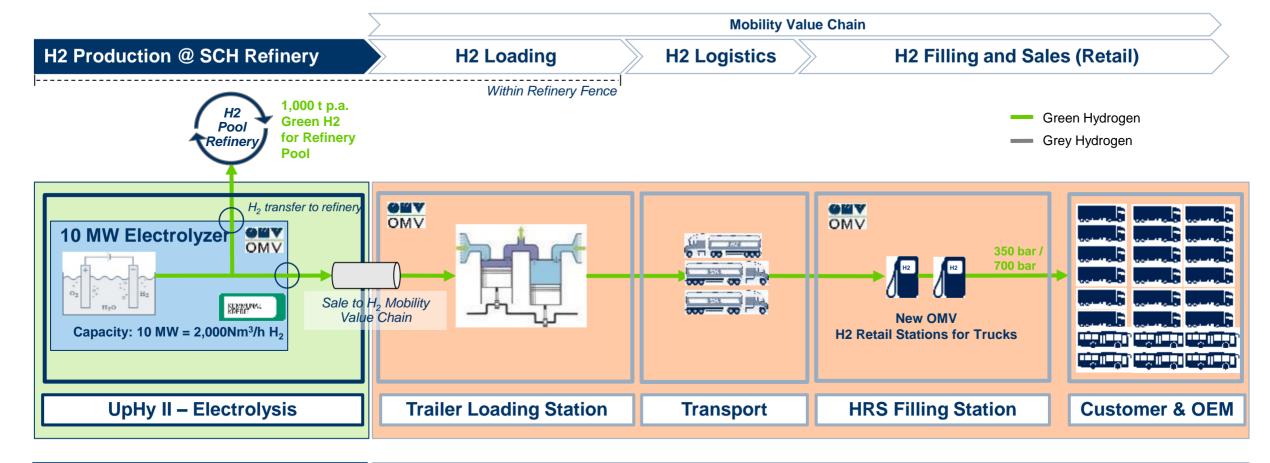
Renewable Polymers (e.g. PE, PP)



Sustainable aviation fuel (e-SAF)

Green H2 for Refinery & Mobility





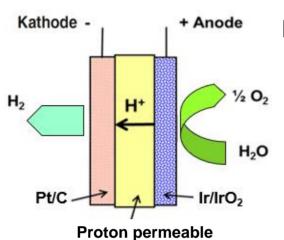
Producing 1,500 t p.a. green H2 by October 2023 Loading & Logistics for 500 t green H2 in Mobility (FID depending on H2 mobility market development)

10 MW PEM Electrolysis within refinery Schwechat



Refinery Schwechat

Technical data of the PEM-Electrolyzer



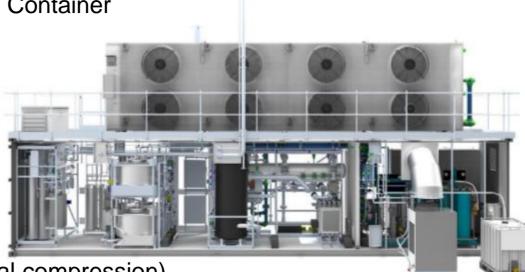
Polymer membrane

Key data

- ~ 4,5 kWh electricity split demineralized water into 1 Nm³ H₂ and 0,5 Nm³ O₂
- Operating temperature: 50 80°C
- Demineralized water Processing Container

Technical realization of the 10 MW-Electrolyzer

- ► 4 x 2,5 MW PEM Electrolyzer Container, each 500 Nm³ H₂/h
- ► High quality H_2 (5.0, 99,999%, < 1 ppm O_{2} < 5 ppm H_2O)
- 30 barg H₂ outlet pressure from electrolyzer (without additional compression)
- Durable membrane with a life-time of 10 years
- ▶ High system efficiency from 75% (SOR) to 68% (EOR) at full load
- ► Fully automatic operation with remote monitoring and maintenance by Cummins (Hydrogenics)



10 MW PEM Electrolysis: Status February 2023













First Power Purchase Agreement (PPA) signed with W.E.B for a 5,6 MW windmill

OMV und W.E.B unterzeichnen den ersten Wind-Stromabnahmevertrag

04.2022 - Zurück zur Übersicht



OMV wird Windstrom nutzen, um grünen
Wasserstoff herzustellen

Der erste Wind-Stromabnahmevertrag (PPA - Power Purchase Agreement) zwischen der OMV und dem Erneuerbare-Energie-Unternehmen W.E.B bedeutet konkret: Die WEB Windenergie AG wird auf Basis eines langfristigen Liefervertrage eine Windkraftanlage im Weinviertel errichten und betreiben; diesen Strom wird die OMV nutzen, um damit mittels eines Elektrolyseurs grünen Wasserstoff zu erzeugen. Was hier auf den ersten Blick wie eine simple Kooperation zweier Unternehmen erscheint, ist doch in vieler Hinsicht neu.

OMV und W.E.B unterzeichnen den ersten Wind-Stromabnahmevertrag - W.E.B. Windenergie (web.energy)

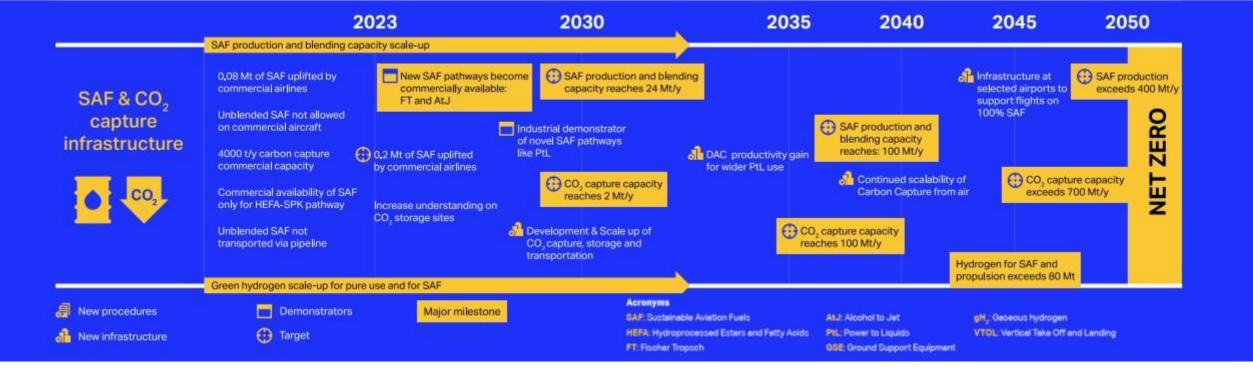
Cornerstones

- 5,6 MW installed capacity
- Location: Velm-Götzendorf in Lower Austria
- State-of-the-art plant technology
- Expected electricity production per year 13,7 GWh (corresponds to the electricity demand of almost 4000 households)



Project M2SAF

IATA Energy & New Fuels Infrastructure Roadmap



Source: IATA 2023

- Renewable energy plays a vital role
- Necessary infrastructure developments
 - Hydrogen
 - Electric



Project M2SAF

Development of a SAF process based on MeOH

CO₂ Emissions of the Aviation Industry

- Emissions from aviation have become a focus of increasing **scientific interest** in recent years
- Globally civil aviation is **growing faster** than nearly all other economic sectors, with the notable exception of information technology
- Despite substantial progress in aircraft **fuel efficiency**, increased demand has led to a much **higher** growth rate in fossil fuel use by the aviation sector when compared to other transportation sectors or to world energy use overall.
- Direct emissions from aviation account for about 3% of the EU's total greenhouse gas emissions and more than 2% of global emissions.
- If global aviation was a country, it would rank in the top 10 emitters.
- Someone flying from London to New York and back generates roughly the same level of emissions as the average person in the EU does by heating their home for a whole year.
- By 2020, global international aviation emissions are projected to be around 70% higher than in 2005 and the International Civil Aviation Organization (ICAO) forecasts that by 2050 they could grow by a further 300-700%
- In Europe, the average airline fuel consumption per passenger in 2017 was 3.4 L/100 km, 24% less than in 2005, but as the **traffic grew by 60%** to 1,643 billion passenger km, CO₂ emissions were up by 16% to 163 million tons for 99.8 g/km CO₂ per passenger





















Koordiniert durch:









OMV Strategy 2030

Strategic context

- Net-zero emissions needed by 2050 at the latest to limit global warming to 1.5 degrees Celsius
- Demand for oil and gas will fall over the next three decades, with a reduction in oil demand beginning earlier and declining faster
- Natural gas will act as transition fuel
- Rising demand for sustainable feedstocks and fuels
- Demand for chemicals and materials will continue to grow, playing a significant role in a more sustainable future
- Circular economy will be a key driver to reduce waste and regenerate resources.



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