

Power2X and Advario to develop world-scale e-SAF hub in the Port of Rotterdam

- **Decarbonizing Aviation:** 250 ktpa of sustainable aviation fuel (e-SAF) from green hydrogen, supporting the aviation's transition to lower carbon emissions.
- **Sustainable Transformation:** Large-scale investment in Dutch industry whilst transforming and future proofing a 26 ha industrial site in Rotterdam.
- **Strategic Location:** Integrated with world-class storage and logistics infrastructure in the Port of Rotterdam, providing access to key European airports.

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In partnership, Power2X and Advario are developing a world-scale production and storage hub for sustainable aviation fuel (e-SAF) and synthetic, ultra-low carbon fuels in the Port of Rotterdam.

The Power2X production facility will have the capacity to produce over 250,000 tonnes/year of e-SAF, a non-fossil, synthetic fuel made from green hydrogen. It will be the largest e-SAF facility announced to-date, making sufficient ultra-low carbon fuel to fully power approximately 7,000 flights between Amsterdam and New York annually.

The facility will use imported green methanol produced from green hydrogen and biogenic carbon as feedstock as well as locally produced green hydrogen. Green methanol will be imported from locations where renewable energy and green hydrogen are abundant.

Advario will develop an advanced storage and logistics facility with a capacity of ca. 230,000 cubic meters, supported by marine and rail facilities, to ensure a stable supply chain for the green molecules.

The strategic location in the Port of Rotterdam offers direct access to European airports, including Amsterdam Airport Schiphol, making it a key hub for the distribution of sustainable aviation fuels and e-fuels.

Developing the next generation energy hub

Advario acquired the 26-hectare former Aluchemie site in Rotterdam in April 2023 and has since been working with Power2X to transform it into a hub for new energy solutions. With its waterfront access and proximity to the key hydrogen pipeline, the site is positioned as a prime location for the development of sustainable energy within one of Europe's major energy and chemical hubs. Power2X and Advario are committed to creating future proof solutions and supporting green innovation and broader European decarbonization goals.

Sustainable Aviation Fuel is critical to reducing CO₂ emissions, cutting lifecycle carbon emissions by 90% compared to conventional jet fuel. Europe's ReFuelEU Aviation Regulation mandates the increased use of Sustainable Aviation Fuel (SAF), including e-SAF from 2030 onwards. The hub will contribute 40% of the required e-SAF volume when it starts up around the turn of the decade, making it a crucial player in Europe's energy transition.

Occo Roelofsen, Founder and CEO of Power2X, commented, "The project demonstrates our commitment to developing the next-generation of energy infrastructure and accelerating the energy transition. This strategically positioned site and innovative business-model aims to make competitive production of e-SAF at global scale in the heart of Europe possible. It underscores our leadership in driving decarbonization and delivering sustainable solutions for the future."

Bas Verkooijen, CEO of Advario, noted, "This initiative is a prime example of Advario's strategy to play a frontrunner role in the energy transition. We are very pleased to enter into this long-term partnership with Power2X, providing essential storage and logistics infrastructure for their world-scale e-SAF facility."

Boudewijn Siemons, CEO of the Port of Rotterdam Authority, said: "SAF production facilities in Rotterdam currently supply 24% of Europe's aviation fuel need. According to the European Union's target, 20% of all aviation fuel is to be produced from renewable sources. The production of e-SAF in Rotterdam is therefore important to meet future SAF demand. This project by Advario and Power2X is an example of the successful conversion of land in the Port of Rotterdam from fossil fuel to green, sustainable production".

About Advario

Advario is a leading tank storage and infrastructure solutions provider for chemicals, gases, fuels and new energies, headquartered in Rotterdam, the Netherlands. Building on 50 years of experience, Advario operates a global network of liquid storage terminals that are strategically located in key energy hubs. Committed to playing a frontrunner role in the energy transition, Advario actively collaborates with its business partners to drive innovation and sustainability in the energy sector and support its customers in their decarbonization journey. To find out more, visit www.advario.com.

About Power2X

Power2X is a leading green molecules company, committed to creating next-generation world-scale energy assets and supporting others on their decarbonization journey. The company focuses on clean hydrogen and its derivatives, including ammonia, methanol, and sustainable aviation fuel (SAF). Power2X also acts as an advisor, supporting third parties in project development. In 2023, the Canada Pension Plan Investment Board (CPP Investments) and Power2X entered into a long-term investment partnership aimed at advancing Power2X's leading role in the global clean energy transition. www.power2x.com

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