



Joint Press Release
February 8, 2021

Uniper and Port of Rotterdam Authority start feasibility study for green hydrogen plant at Maasvlakte

Uniper and the Port of Rotterdam Authority are investigating the possibilities of large-scale production of green hydrogen at the Maasvlakte area in Rotterdam. The parties have the ambition to realise a hydrogen plant on the site of Uniper by 2025 with a capacity of 100MW and to expand this capacity to 500MW. The feasibility study will be completed this summer.

Andreas Schierenbeck, CEO of Uniper: “Our location at Maasvlakte is the perfect place for large-scale production of green hydrogen. This is where everything comes together: large amounts of renewable energy, the required infrastructure, and industrial customers. A better place for green hydrogen production is hardly imaginable.”

Allard Castelein, CEO Port of Rotterdam Authority: “The production of green hydrogen on the Uniper site fits in perfectly with the strategy of the Port Authority to make the industry more sustainable. Green hydrogen is a sustainable alternative for natural gas to realise high temperatures. Besides, it is an important sustainable feedstock for the chemical industry.”

In the production of green hydrogen, renewable energy is used to split water into hydrogen and oxygen. This process is called electrolysis. Maasvlakte is an ideal location for the production of green hydrogen. Renewable electricity from offshore wind farms will come ashore here, and various relevant facilities are already available on the Uniper site.

After the successful prequalification for the EU IPCEI (Important Projects of Common European Interest) programme, the conceptual design and the technical dimensions of the new hydrogen plant will be developed in the next few months. The potential market for sustainable hydrogen, both in the Rotterdam port area and in Germany, will be looked into. In due course, supply to major industrial complexes in North Rhine-Westphalia will also be possible through pipelines. The project team is also looking at options for import, storage, and export at Maasvlakte.

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About the Port of Rotterdam Authority



The aim of the Port of Rotterdam Authority is to enhance the Port of Rotterdam's competitive position as a logistics hub and world-class industrial complex, not only in size, but also in quality. The Port Authority is therefore a pioneer in the transition to sustainable energy and is committed to digitisation to make the port and trade flows even more efficient. The two core tasks of the Port Authority are the sustainable development, management and operation of the port and maintaining the smooth and safe handling of shipping.

About Uniper

Uniper is a leading international energy company with around 11,500 employees and activities in more than 40 countries. With about 34 GW of installed generation capacity, Uniper is among the largest global power generators. Its main activities include power generation in Europe and Russia as well as global energy trading, including a diversified gas portfolio that makes Uniper one of Europe's leading gas companies. In 2019, Uniper had a gas turnover of 220 bcm. The company is headquartered in Düsseldorf, being the third-largest listed German utility. Under its new strategy, Uniper aims to become carbon-neutral in Europe by 2035.

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