

## PRESS RELEASE



### **Feasibility study on export of South Australian green hydrogen to Rotterdam**

**The South Australian Government and the Port of Rotterdam Authority have signed a Memorandum of Understanding (MoU) to study the feasibility of exporting green hydrogen made in South Australia to Rotterdam, Europe's largest port. This MoU connects some of the world's most ambitious players in the hydrogen economy and renewable energy.**

South Australia is a global leader in renewable energy, with around 60% of generation from wind and solar power, and will be net-100% renewable energy by 2030. Over 1 in 3 South Australian homes have rooftop solar, and around 3% of homes already have home batteries installed or committed in the largest global per capita roll-out of home storage.

The Port of Rotterdam is a leader in the transition to renewable energy and has developed an ambitious hydrogen masterplan to become the major hydrogen import hub to supply Northwest-Europe with renewable energy. At this moment, Rotterdam imports vast quantities of oil and coal. Imports of hydrogen will replace these to a large extent in the years to come, as part of the decarbonization of the European economy.

"The South Australian Government welcomes this MoU with the Port of Rotterdam. We're impressed by the ambition of the Port of Rotterdam, which mirrors that of the South Australian Government. We released a Hydrogen Action Plan in 2019 with the vision of becoming a world class renewable hydrogen supplier," said Stephen Patterson, SA Minister for Trade and Investment.

"The South Australian Government intends to become a national and international exporter of clean power, through new power interconnectors and carriers such as hydrogen. These could lead to South Australia producing around 500% of its current grid demand in renewable energy by 2050," said Dan van Holst Pellekaan, SA Minister for Energy and Mining.

"Europe will remain a net importer of energy. However, it will gradually shift from grey to green. The Port of Rotterdam wants to facilitate this shift by stimulating the development of new supply chains of hydrogen. This is important both to stop climate change as well as for the long term sustainability of businesses and the economy," said Allard Castelein, CEO Port of Rotterdam.

He added: "We know that costs related to the shipping distance are but a small part of the total costs of hydrogen delivered in Rotterdam. The majority of the cost is in production of hydrogen, carrier production or liquification and storage. This means that local conditions such as the amount of sunshine and wind that exist in South Australia could make this hydrogen very competitive on the European market."

Marion Derckx, Ambassador to the Kingdom of the Netherlands in Australia is very pleased that South Australia and the Netherlands are connecting on the road to a carbon neutral economy. She stated: "It is exciting to appreciate how South Australian sunshine and wind could become the fuel

for industry, transport and homes in Europe. I know that this cooperation will further deepen relationships between Dutch and South Australian businesses.”

South Australia has committed around \$15 million to support green hydrogen production projects being led by AGIG at Tonsley, H2U at Cultana and Neoen in the state's mid-North.

The partnership of South Australia and the Port of Rotterdam will build upon a \$1.25m hydrogen export modelling tool and prospectus, released in October 2020, looking at establishing green hydrogen supply chains from South Australia.

South Australia is the first sub-national jurisdiction to enter into such an agreement with the Port of Rotterdam. The Port is doing similar feasibility studies regarding the production and shipping of hydrogen with a number of countries including Iceland, Portugal, Morocco, Uruguay and countries in the Middle East.

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The Port of Rotterdam Authority is an unlisted public limited company. The shares in the Port of Rotterdam Authority are held by the Municipality of Rotterdam (approx 70%) and the Dutch government (approx 30%).

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