

Preem and Vattenfall explore further hydrogen biofuel production

July 13, 2021 | Meghan Sapp



In Sweden, according to a study conducted in the spring, the Preem Lysekil plant is very well suited for an electrolysis plant for hydrogen biofuel production. Carbon dioxide emissions can be reduced by at least 80 percent for hydrogen that is produced fossil-free instead of with fossil-based raw materials. An initial 50 megawatt plant will now be investigated.

In January, Preem and Vattenfall began a strategic analysis of the role that fossil-free hydrogen from electrolysis, produced with fossil-free electricity, can play in Preem's ability to produce biofuels on a large scale. The results are very promising to be able to increase Preem's production of biofuels in the coming decade.

Work is now continuing to investigate a first 50MW electrolysis plant at Preem's refinery in Lysekil with the ambition of taking the next step in the spring of 2022.

Preem's goal of producing approximately 5 million cubic meters of biofuels by 2030 can reduce transport emissions by up to 12.5 million metric tons of carbon dioxide, corresponding to approximately 20 percent of Sweden's total emissions. This production transition requires a large-scale supply of hydrogen, where the establishment of one or more electrolyzers can play an important role.

www.biofuelsdigest.com/bdigest/2021/07/13/preem-and-vattenfall-explore-further-hydrogen-biofuel-production/

DF
13 July 2021