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AkzoNobel and Gasunie looking to convert water into green hydrogen using sustainable electricity

AkzoNobel Specialy Chemicals and Gasunie New Energy have joined forces to investigate the possible large scale conversion of sustainable electricity into green hydrogen via the electrolysis of water.

Intended for Delfzijl in the Netherlands, the installation would use a 20 megawatt water electrolysis unit, the largest in Europe, to convert sustainably produced electricity into 3,000 tons of green hydrogen a year â?? enough to fuel 300 hydrogen buses. A final decision on the project is expected in 2019.

The planned 20 megawatt facility is an important step towards scaling up the electrolysis technology. So far, the largest planned electrolysis unit in the Netherlands has a capacity of 1 megawatt. The eventual aim is to be able to build installations that convert and store sustainable energy in the form of hydrogen on an even larger scale (from 100 megawatts).

Source: Gasunie
Read more:
https://www.gasunie.nl/en/news/akzonobel-and-gasunie-looking-to-convert-water-into-green-hydroge