





Avantium Acquires Liquid Light

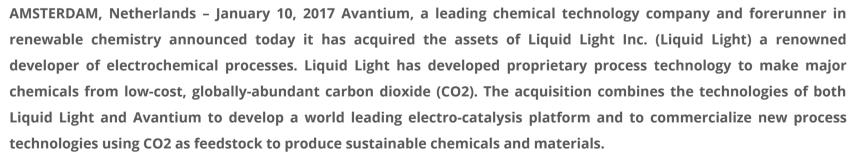
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Liquid Light, which was spun out from Princeton University in 2008, has invested more than US\$35 million on low-energy electrochemistry technologies to convert CO2 to major chemicals. It has filed over 100 national patent applications of which more than twenty have been granted. Its patent portfolio includes filings on producing multiple chemical building blocks used in

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large existing markets, including oxalic acid, glycolic acid, ethylene glycol, propylene, isopropanol, methyl-methacrylate and

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existing R&D program in electrochemistry. The combination of Liquid Light's expertise in electrochemistry with Avantium's expertise in catalysis and process engineering will be the basis of an unrivaled technology platform to develop novel production technologies for converting CO2 to chemicals and materials.

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Tom van Aken, Chief Executive Officer of Avantium, said: "The acquisition of Liquid Light is an important step in our strategy to create and commercialize breakthrough technologies in renewable chemistry. It will extend our capabilities beyond catalytic conversion of biomass. This acquisition will enable the development of a powerful technology platform on the basis of CO2 feedstock, meaning it turns waste into valuable products such as chemicals and plastics."

CO2 is a greenhouse gas that originates as waste from the burning of fossil fuels, the production of electricity, fertilizers, chemicals, steel and cement. It is the biggest contributor to global warming. The development of electrochemistry has the potential to use CO2 as a feedstock for the sustainable production of chemicals and materials, and is seen as a 'game-changer' for the chemical industry. The result is that greenhouse gas is sequestered into products that can replace plastics and chemicals that are now produced from fossil feedstock.

Gert-Jan Gruter, Chief Technology Officer of Avantium said: "Electro-catalysis is an emerging technology in the chemical industry that is based on electrical energy and catalytic reactions to drive chemical reactions. The technology enables the use of renewable energy for example from wind farms or solar panels for the chemical industry resulting in a significantly improved carbon footprint. The extensive patent portfolio of Liquid Light brings Avantium in the top of the world's Intellectual Property position in electrochemistry."

The integration of the Liquid Light assets into Avantium is complete and effective immediately. Financial details of the transaction were not disclosed.

About Avantium

https://www.avantium.com/press-releases/avantium-acquires-liquid-light/

Avantium is a leading chemical technology company and a forerunner in renewable chemistry. Together with its partners around the world. Aventium develope efficient arosesses and suctainable aroducts made from highered materials. Aventium

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processes. One of Avantium's success stories is YXY technology, with which it created PEF: a completely new, high-quality plastic made from plant-based industrial sugars. Since October 2016 all YXY activities are located in Synvina, the joint venture of Avantium and BASF. Avantium is also working on a host of other ground-breaking projects and provides advanced catalysis research services and systems to the leading chemical and petrochemical companies. Avantium's offices and headquarters are based in Amsterdam, the Netherlands. Further information: Dominique Levant, Marketing & Communications Officer, dominique.levant@avantium.com | +31 20 586 01 32, or visit our website at www.avantium.com.

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