PRESS RELEASE

Aker Carbon Capture awarded study by TES to capture 400,000 tonnes CO2 per year in Germany

30 October 2023, Norway – Belgium, Aker Carbon Capture has been awarded a feasibility study by TES, to explore the implementation of a carbon capture plant at a waste-to-energy facility in Germany. The planned capture capacity will be 400,000 tonnes CO2 per year. The captured CO2 will be transported by railcar to the TES facilities at Wilhelmshaven in Northern Germany to produce e-NG, which is electric natural gas derived from green hydrogen and CO2. TES is a global green energy company leading the way in the production of e-NG.

“We are excited to be working with TES on this innovative decarbonization project. By using recycled CO2 to deliver green energy to users, further CO2 emissions are being avoided, contributing to Germany’s goal to achieve Net-Zero greenhouse gas emissions by 2045. We aim to deliver our modular Just Catch 400 unit, which has gained high market interest since its recent launch”, said **Jon Christopher Knudsen, Chief Commercial Officer at Aker Carbon Capture.**

“We look forward to the collaboration with Aker Carbon Capture on our route towards net-zero. This evaluation of an industrial scale project will allow us to select the best of different available capture technologies based on real-life performance going forward in massive scale up”, said **Jens Schmidt, Chief Technology Officer at TES.**

This is the third study awarded to Aker Carbon Capture in Germany, Europe’s largest economy and CO2 emitter. Germany aims to cut its carbon dioxide emissions by 65% by 2030 compared with 1990 and to become carbon neutral by 2045. Carbon capture, utilization and storage (CCUS) has been identified as playing an important role in the country’s goal to achieve these targets. The German government is expected to publish its Carbon Management Strategy later this year.

The study awarded to Aker Carbon Capture will assess the optimal CO2 capture, conditioning, liquefaction and temporary storage facility. The captured CO2 will be the source material to produce e-NG, which is a sustainable alternative to fossil natural gas. It’s created by combining green hydrogen from renewable power with recycled CO2 from industrial emissions and biogenic CO2, to create “synthetic methane” or “green gas”. This conversion will take place in a region where green electricity and therefore green hydrogen is plentiful, making it highly cost effective.

e-NG is easy to transport and store, which makes it a viable and scalable clean energy source. It is chemically identical to natural gas and blends easily into the existing fuel mix. This makes it a very simple and cost-effective solution for scaling up the green transition. By 2030, TES plans to produce around 15 TWh of e-NG annually, which is equivalent to 0.4 megatons of green hydrogen.

At Twence's waste-to-energy facility in the Netherlands, Aker Carbon Capture is currently delivering a Just Catch unit with a capacity of 100,000 tonnes CO2 per year. The company also started in May of this year the delivery of five Just Catch units to Ørsted’s bioenergy facilities in Denmark, with a design capture capacity of 500,000 tonnes CO2 per year. These flagship projects contribute to the company’s mission to serial produce carbon capture units providing cost and delivery benefits for the mid-scale emitter market.

About Aker Carbon Capture

Aker Carbon Capture is a pure-play carbon capture company with solutions, services and technologies serving a range of industries with carbon emissions, including the cement, bio and waste-to-energy, gas-to-power and blue hydrogen segments. Aker Carbon Capture's proprietary, carbon-capture technology offers a unique, environmentally friendly solution for removing CO_2 emissions. Visit akercarboncapture.com and connect with us on LinkedIn, Facebook, Twitter, Instagram and YouTube. This press release may include forward-looking information or statements and is subject to our disclaimer, see akercarboncapture.com.

About TES

TES is a global green energy company leading the way in the production of e-NG (electric natural gas derived from green hydrogen). Headquartered in Europe, TES is committed to making reliable and affordable green energy accessible to all by implementing giga-scale projects that harness the power of sunlight. By expanding its operations across the United States, Middle East, Asia, and Australia, the company utilizes solar and wind energy from cost-effective regions abundant in sunlight or wind. TES follows a sustainable approach by using green hydrogen, generated from solar and wind power, and combining it with CO_2 to produce e-NG. This transformation results in a renewable molecule that can be easily transported and stored using existing infrastructure. Through the supply of e-NG to various industries, TES aims to win the climate race ensuring the mass adoption of solar and wind energy across the globe.

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