

## Norsk e-Fuel and Carbon Centric sign Supply and Distribution Agreement for biogenic and liquid CO<sub>2</sub>

22<sup>nd</sup> March 2024, Oslo (Norway)

*Norsk e-Fuel and Carbon Centric have entered into a landmark agreement for CO<sub>2</sub> Supply and Distribution, where Carbon Centric will be responsible for the production and delivery of CO<sub>2</sub> to Norsk e-Fuel's Alpha plant in Mosjøen in Northern Norway. CO<sub>2</sub> is one of the main feedstocks in the synthetic production of sustainable aviation fuel, that will be required to meet the EU RFNBO SAF mandates of airlines operating out of EU airports starting in 2030.*

The agreement involves the binding supply and offtake for CO<sub>2</sub>, with an annual volume exceeding 130,000 tons, where all crucial terms on pricing mechanisms, timelines, transport modalities, contingency plans, as well as standards and impurities have been agreed on.

Norsk e-Fuel's focus on liquid CO<sub>2</sub> supply facilitates the production of fossil-free fuels at scale, approaching the defossilization of aviation within the coming decades. As renewable electricity is one of the main cost drivers in the production of e-Fuels, the strategy on Liquid CO<sub>2</sub> allows the company to prioritize the geographical proximity to low-cost grid access. By 2030, Norsk e-Fuel aims to secure an annual supply of 700,000 tons through collaboration with CO<sub>2</sub> aggregators across Nordic carbon capture and liquefaction locations. This will require a resilient and dependable supply network for the distribution of physical CO<sub>2</sub> molecules. The contract with Carbon Centric marks an important milestone in achieving Norsk e-Fuel's goals and sets standards for future ramp-up.

Carbon Centric, acting as a CO<sub>2</sub> aggregator, will capture and liquefy carbon dioxide primarily from waste and biomass incineration, and other sources of high biogenic content. Carbon Centric has gained traction in the market with an innovative build, own, and operate strategy, helping the emitters accelerate their decarbonisation efforts with limited financial risk. The company addresses smaller and medium sized emitters, making them a strategic partner in producing carbon-neutral alternatives to fossil fuels. Because, when biogenic CO<sub>2</sub> is employed in the e-fuel production process, the utilization of CO<sub>2</sub> becomes circular, as it involves recycling the same molecules previously present in the atmosphere.

To ensure seamless delivery to the Norsk e-Fuel Alpha project in Mosjøen, Carbon Centric has developed a robust Liquid CO<sub>2</sub> supply chain. This supply chain capitalizes on intermodal transportation and transport vessels, in collaboration with industry experts in the Norwegian liquefied gas and rail cargo logistics:

Litra Gass AS is the largest road transporter of natural gas in Norway and experienced in the transport and handling of liquefied and compressed gasses. For the rail part, they engage with CargoNet AS, the leading rail freight operator in Norway, specialized in container transport and providing dedicated freight trains for major clients. Both partners are experienced in logistics and operations in harsh and challenging operational environments.

Fredrik Häger, CEO, Carbon Centric: "We are thrilled about this groundbreaking agreement with Norsk e-Fuel. The innovative approach and ambitious plans to produce e-fuel align perfectly with our commitment to help the world reach net zero emissions faster and to support the goals set out in the latest EU policies. This exciting partnership is not just about business; it's about making a real difference."

Karl Hauptmeier, CEO Norsk e-Fuel: "This certainly is a first of a kind agreement in this industry: An e-Fuel producer, enabled through offtake-commitments from the aviation industry, committing to biogenic CO<sub>2</sub> volumes exceeding 1 Million tons. This sends a clear message to the market, there is a viable business for aggregators like Carbon Centric. We are very happy for this partnership with a company that shares the same values and that truly understands the importance CO<sub>2</sub> will play in this new industry-in-the-making."

Kenneth Juul, Chief Commercial Officer, Carbon Centric: “This agreement is a key milestone in the development of Carbon Centric's platform for CO<sub>2</sub> capture and handling. We look forward to a long-term cooperation with Norsk e-Fuel and to enable them to provide sustainable aviation fuels. Being able to serve Norsk e-Fuel shows that we can construct value creating CO<sub>2</sub> ecosystems that meet the requirements of the new industries needed to solve the climate crisis. We expect several similar set-ups on our CO<sub>2</sub> platform going forward.”

Samuel Schuster, Carbon Management & CO<sub>2</sub> Supply Chain Manager, Norsk e-Fuel: “The synthesis of e-Fuels is a constant dance, managing power prices vs. the availability of the feedstock CO<sub>2</sub>. Norsk e-Fuel was founded with the vision of PtL production that is location-independent on CO<sub>2</sub> access (like through DAC), prioritizing sites with favourable power availability and access. With this agreement, we solve the transport part to make CO<sub>2</sub> flexible enough to follow to the production site, leveraging infrastructure currently taking shape in EU's CCUS industry.”

On a broader European scale, this agreement highlights the growing significance of Carbon Capture and Utilization as recently published in the European Commission's Industrial Carbon Management Strategy. With the EU aiming to capture and utilize 200MT of CO<sub>2</sub> annually by 2050, particularly in synthetic fuels, CCU is recognized as a strategic net-zero technology under the Net Zero Industry Act. Technologies, which will contribute significantly to achieving the goal of net zero emissions by 2050 and play a crucial role in the Union's strategic autonomy, ensuring that citizens have access to clean, affordable, and secure energy. Projects classified as strategic Net Zero technologies will benefit from expedited approval processes, coordinated funding, and priority status for administrative and legal procedures.

---

### Norsk e-Fuel in brief

Norsk e-Fuel was founded in 2019 to drive the transition to renewable aviation by establishing the industrial production of sustainable fuels based on CO<sub>2</sub> and water. Supported by six strategic investors and carefully selected partners, Norsk e-Fuel is set to bring Power-to-Liquid production to industrial scale. As project developer, Norsk e-Fuel is establishing large-scale production sites to deliver synthetic fuels to the aviation industry. The company has signed SAF offtake and investment agreements with two European airlines, Norwegian Air Shuttle and Cargolux Airlines International SA. Norsk e-Fuel is determined to develop a new value-chain for sustainable fuels, starting with a first production facility to be in Mosjøen, Norway.

Samuel Schuster, Carbon Management & CO<sub>2</sub> Supply Chain, [sschuster@norsk-e-fuel.com](mailto:sschuster@norsk-e-fuel.com)

Luisa Wagner, Communication & Corp. Development, +49 151 54210269, [lwagner@norsk-e-fuel.com](mailto:lwagner@norsk-e-fuel.com)

For more information, visit [www.norsk-e-fuel.com](http://www.norsk-e-fuel.com)

### Carbon Centric in brief

Founded in 2021, Carbon Centric aims to accelerate the world's journey to net zero by actively engaging in both the CCS and CCU markets. Through strategic collaborations with industry leaders like Shell Cansolv and engineering partners like KANFA, the company is becoming a leading carbon capture project developer in the Nordics, with strong support from their main owners Østfold Energi AS, Vardar AS, and Obligo Group. Carbon Centric will operate a fleet of capture plants and provide distribution services crucial for CO<sub>2</sub> offtakers in CCUS.

Kenneth Juul, CCO, +47 99 00 82 69, [kj@carboncentric.no](mailto:kj@carboncentric.no)

Fredrik Häger, CEO, +47 40 30 00 43, [fh@carboncentric.no](mailto:fh@carboncentric.no)

For more information, visit [www.carboncentric.no](http://www.carboncentric.no)