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## Press release from AFRY

### Liquid Wind selects AFRY as engineering partner for second electrofuel facility in Sweden

The Swedish electrofuel developer Liquid Wind has selected AFRY to provide basic engineering for the balance of plant for its second electrofuel facility in Sweden – FlagshipTWO in Sundsvall. Liquid Wind's ambition, together with Sundsvall Energi, is to develop a 100,000-ton electrofuel facility.

Liquid Wind develops replicable facilities to produce green electrofuel. The first project, FlagshipONE (acquired by Ørsted in December 2022) in Örnsköldsvik, is Europe's first FID'd commercial-scale green electrofuel facility. The next plant will be built in Sundsvall and three more plants are planned for the Nordic Region. FlagshipONE in Örnsköldsvik and FlagshipTWO in Sundsvall will together produce over 150 000 tons of green electrofuel per year and reduce the annual CO<sub>2</sub> emissions from international shipping by 200 000 tons.

The need for CO<sub>2</sub>-neutral marine fuels is a significant 300M tons, and 99.9 percent of the fuel used by marine shipping today is based on fossilised raw materials. Liquid Wind wants to enable the transformation of the shipping industry by converting renewable electricity and biogenic CO<sub>2</sub> into green electrofuel. AFRY, together with several other world-leading players in green technology, such as Siemens Energy, Topsoe, Carbon Clean and Alfa Laval, are now collaborating with Liquid Wind to establish several facilities capable of producing green marine fuel.

AFRY has been engaged as the engineering consultant in FlagshipTWO to perform basic engineering for the balance of plant and integration with the local energy company Sundsvall Energi. AFRY's assignment also covers project management for the entire basic engineering of the FlagshipTWO project. In addition, AFRY prepares technical documentation for the environmental permit.

"International shipping is one of the industries that is most difficult to decarbonise. We are very proud to be part of this green transition project, which will result in a welcome change for the international shipping emissions as they shift from fossil to green electrofuel. We look forward to our cooperation with Liquid Wind in the FlagshipTWO project and to contribute to a more sustainable society", says Lisa Vedin, Head of Business Area Process Industries Sweden, AFRY.

AFRY's assignment began in Q4 2022 and will be completed by the summer of 2023. Production is planned to start at the facility in Sundsvall at the end of 2025.

"We are very pleased that AFRY is now participating in the FlagshipTWO project in Sundsvall. It's great to have a partner with Nordic roots and solid experience. FlagshipTWO will be an important milestone not only for Sundsvall and Liquid Wind but also for Sweden as potentially the leading producer of green electrofuel in Europe", says Claes Fredriksson, CEO and founder of Liquid Wind.

For further information, please contact:

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Learn more! 90% of everything we consume is moved by sea, making maritime transport responsible for at least 2% of global emissions. The latest forecasts point to an increase in emissions of up to 90% in the next few years. Methanol, besides being a crucial fundamental to the commodities value chain, together with Green Hydrogen and Green Ammonia, has the potential to be the key for sustainable maritime transportation. AFRY has delivered close to 100 projects on Power-to-X to Hydrogen during 2022, making us a market leader on P2X and Hydrogen consulting and engineering services the Scandinavian countries. [Read more](#)

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*We are 19,000 devoted experts in infrastructure, industry, energy and digitalisation, creating sustainable solutions for generations to come.*

*Making Future*

#### About Liquid Wind

Liquid Wind is an electrofuel development company with a vision to reduce the world's dependency on fossil fuel. They have a solid pipeline of projects in development in the Nordic countries with the goal of reaching 8 million tons of FID'd projects by 2030. Headquartered in Gothenburg and with a strong presence in Copenhagen and Stockholm, Liquid Wind has approximately 30 employees and a strong group of investors, including Alfa Laval, Carbon Clean, HyCap, Siemens Energy, Topsoe and Uniper. Visit [liquidwind.se](https://liquidwind.se) or follow us on [LinkedIn](#) and [Twitter](#).