

Nordic Blue Crude Abstract

Nordic Blue Crude (NBC) will produce E-Fuel, a carbon neutral, synthetic crude using only renewable energy, water and CO₂. E-Fuel can be refined into fractions (e-diesel, e-naphta, e-kerosene) to be used as a synthetic fuel in all vehicles from cars to airplanes without any modifications. Our solution cuts CO₂ emissions of vehicles by 100% (85% LCA) and can be used as additive for fossil fuel, achieving improved ignition and cleaner combustion (no sulphur, NO_x reduction and no particulates). The refinement process generates a wax fraction, very appreciated for chemical specialties industries, which will contribute to their decarbonisation.

NBC will particularly focus on delivering sustainable fuel to the aviation industry as this segment is very hard to electrify.

As such we will build the first-of-its-kind Power-to-Liquid industrial plant, which is bound to transform the fuel industry.

NBC utilises Norway's rich access to cheap renewable hydropower, excellent processing industry skills and favourable infrastructures in order to provide a competitive product.

Our business model is scalable. Starting with a 10 Million litre plant, it will be scaled-up to 100 Million litres in 2 years. Thanks to renewable resources available in Norway, we will establish a substantial production capacity on several locations (8 locations identified to build 10 additional 100 Million litre plants by 2030). Following this NBC have looked into scaling up their plant to 1 bn litres capacity and sees the potential to reach a production capacity of 60 bn litres in 2050 equivalent to 12 % of the estimated aviation fuel market.

We have already secured agreements with main players in the transport and chemical industries, who will buy the production of our first plant and we have lined up significant off-take interest for the expansion.