



Name: Hyrex
Country: Norway
Incorporated: 2020
Fund: Katapult Seed Fund 1

Problem:

Europe has hundreds of thousands of leisure craft and small commercial vessels driven by internal combustion engines. Most solutions available and under development are either diesel hybrid or based on batteries only for energy storage on board. Batteries alone limit speed and range whilst the weight and charging time are too high.

Solution:

For the last decade there has been intense research and development of fuel cell electric vehicles powered by hydrogen. Hyrex is taking advantage of this development and have designed and built a 28 foot daycruiser using a complete hydrogen electric propulsion system. The vessel has a 20 knot top speed, 200 nautical mile range and zero emissions. The propulsion system is modular and scalable, able to be installed with virtually any electric motor. Hyrex has also developed a hydrogen filling station and has a strong network of partner companies in our value chain.

Impact:

“Hyrex has developed deep hydrogen, electronic and system integration competence, being well-positioned to take a leading role in the green shift at sea. Hyrex offers sustainable engineering for a healthy ocean. Our customers can look forward to travel at sea, for leisure or work, silently, without compromise and without emissions.”

Henrik Torgersen
CEO, Hyrex

