



INSPIRED BY NATURE PROPELLED BY PASSION

Heading for a small revolution in the boating world! The Parisian start-up FinX has launched, as of June 2019, in the creation of boat engines composed of an undulating membrane replacing propeller, convinced that the best way to preserve nature is to be inspired by it. According to its creator Harold Guillemain, this new eco-designed nautical propulsion inspired by fish swimming represents the future of mobility.

A new wake

Since the launch of the FinX adventure, Harold Guillemain (founder and CEO) and his team have been driven by a project as ambitious as it is extraordinary: **the creation of the first outboard engine composed of an undulating membrane, inspired by fish swimming**, thus replacing propeller and turbine.

Three years of R&D later, FinX is proud to present **its very first bio-inspired flagship: the Fin5. The first finned boat engine in the world** with a power of 2kW (equivalent in thrust to a 5CV engine), **this 100% electric engine, in pre-production phase**, is intended for small boats (boats and tenders) and sailboats up to 3 tons. It will equip small pleasure boats (boat rental companies, manufacturers/renters of nautical equipment, sailing schools), as well as certain players in the maritime industry (shipyards, equipment manufacturers, port managers, etc.). **A first series of 50 engines will be industrialized by the end of 2022.** In the age of time, FinX is setting up a reservation system to avoid overproduction, simplify inventory, avoid unsold products and last. To date, more than 30 customers have already placed orders, motivated by the desire to become the **pioneers** of tomorrow's navigation.

Hydrogen goal

The launch of the Fin150 represents **the biggest challenge** for the Paris-based start-up **over the next two years**. Based on the same corrugated membrane technology as its forerunner, the Fin5, this second engine promises to be a major disruptive innovation in terms of existing nautical production.



With an expected power of 120kW (150CV), this outboard engine - adapted for inboard use in 2023 - with an undulating membrane will be powered by a green hydrogen fuel cell, an innovative and emerging energy solution on the market. It will be intended for larger boats (workboats, river passenger transport, etc.). In the short term, the Fin5 and Fin150 will spearhead FinX's energy transition ambition: **reinventing navigation by designing safer, more efficient and cleaner engines.**

The Paris 2024 Olympic and Paralympic Games will also be a great opportunity for the start-up to promote **disruptive innovation, social and environmental responsibility**, and "**made in France**" throughout the world: the Fin150 project has in fact been selected by France Mobilités to be showcased at this global event.

The world after

While a major (r)evolution is needed for the marine industry, FinX meets the needs of the sector by providing **key advantages**. This proven technology is **totally safe** (no risk of cut, injury, or entanglement), **efficient, robust, easy to use and maintain** (low maintenance, as the motor is composed of only a few parts). *"We have adapted the bio-inspired technology of medical pumps to marine propulsion. Our engine is totally safe, it is quieter than its thermal equivalent and does not emit any greenhouse gases"* explains Harold Guillemin.

By **choosing innovation, entrepreneurship and the future**, FinX is in line with the **dynamics of the energy transition** and honors its goal of **becoming a low-carbon player in tomorrow's world.**

The Paris-based start-up will go even further by targeting the **gigantic pump market** in the medium term, with the strategy of selling licenses of the membrane initially developed for the marine industry to pump manufacturers.



Contact :
press@finxmotors.com

