

Unleashing the power of Ocean Currents

A promise of 700GW of stable clean energy

Quick facts:

- World's 3rd clean energy source
- Stable power production; clean baseload
- High energy yield;
- Patented technology, proven elements
- Within five years route to market

In this changing world, there's an increasing need for clean- and reliable sources of energy. Ocean Current energy can provide in this need. Worldwide, the resource that can be captured is exceeding 700 GW, which is two times the global nuclear power capacity. Focus areas are spread alongside four densely populated continents, as presented in the map below.

Equinox Ocean Turbines aims to unlock this enormous energy potential within five years to market by using a commercially viable turbine solution.

Background

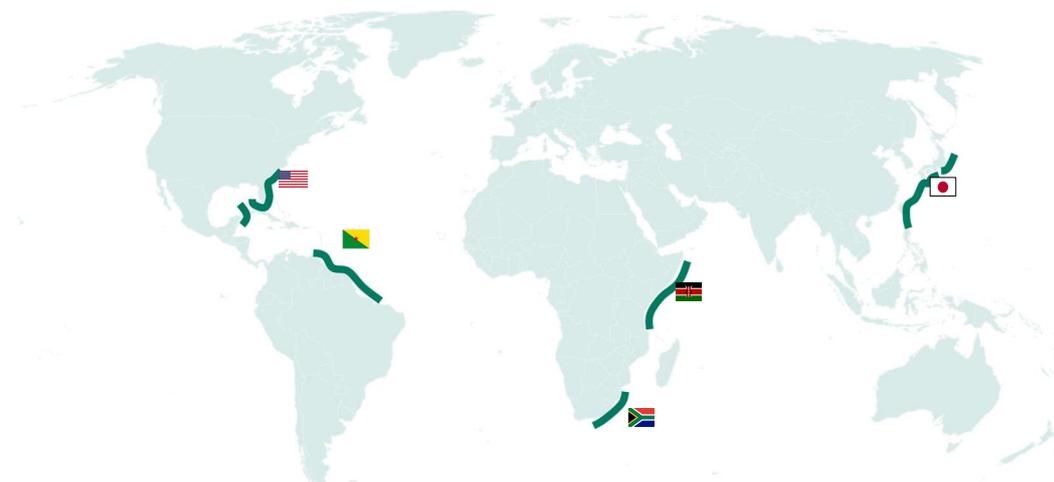
When you consider the size of the world's oceans no one will be surprised that the potential for electricity generated from ocean

currents is several times the total global energy demand.

So far, nobody has unlocked this potential. The global ocean energy market has, apart from offshore wind, not proven to be profitable yet in the past 20 years. Despite over € 1 billion global investments in wave and tidal stream development, no commercial capacity has been realised. However, a huge knowledge base has been developed over the last years and we believe that Ocean Current Energy will be the game-changer by utilising our expertise. The World Economic Forum (WEF) confirms this vision, they call ocean currents "*the next big source of renewable energy*"¹.

The promise of Ocean Currents

The advantage of Ocean Currents is their relatively low speed. This minimises installation and operational risks while providing an excellent earning capacity – double the energy per megawatt compared to offshore wind.



- Areas indicated in green are the most promising Ocean Currents

¹ WEF, LinkedIn 2022

The Challenge

These low current speeds do provide a technical challenge to the turbine; traditional turbine designs are uneconomical at very low speeds. Equinox utilises a - patented - proprietary two-stage turbine technology whereby first the energy is concentrated before harvesting. In combination with smart material usage, this results in a scalable and economically viable product.

On top of that, we also developed a scalable semi-floating foundation for our two-stage turbine, to unlock the global market potential with a complete product scope. Each system can be installed and removed with small regular workboats, regardless of turbine size. Turbine anchoring can go up to 3,000 meters and can be operated in arrays in variable water depths ranging from 100 up to over 1,000 meters. The turbine can be easily maintained on its installed location.

Commercial Roadmap

Commercial deployment of Ocean Current turbines is planned to take place within five years. Key to this is the staging and involvement of proven technology and experienced parties as building blocks, thus integrating existing knowledge in a smart and new way.

The first step on the roadmap is the deployment of a pre-commercial turbine, aimed at fine-tuning the development, therewith creating a reliable commercial product setup. In parallel the commercial products roll-out is being prepared in several geographical location and markets. Market potential for Ocean Current energy is estimated to exceed € 5 billion by 2032.

The team

The Equinox team brings together a unique mix of specialist knowledge and experience which will enable us to deliver novel Ocean Current turbine technology to maximise the opportunity in this emerging market. Nevertheless, our team is growing day by day in its quest to bind entrepreneurial and likeminded clean energy experts. At the same time the team is building upon the knowledge base and network of industry giants.

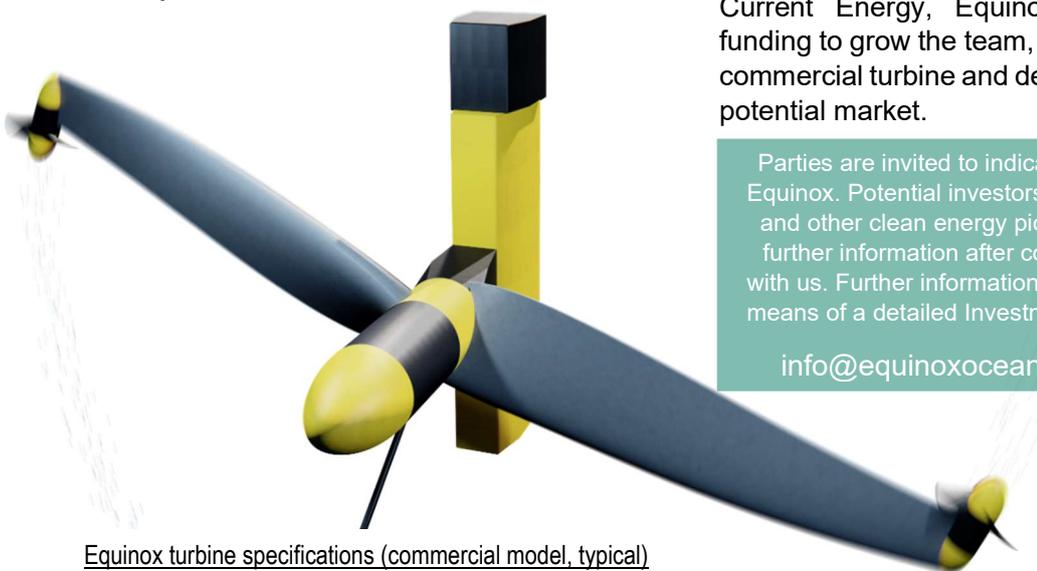
Next steps

Equinox reached a major milestone in January 2022 when Damen Maritime Ventures, part of the industry giant Damen Shipyards Group, started supporting Equinox in developing the world's third clean energy source.

In order to unleash the full potential of Ocean Current Energy, Equinox is seeking the funding to grow the team, realise the first pre-commercial turbine and develop this new high potential market.

Parties are invited to indicate their interest in Equinox. Potential investors, industry partners, and other clean energy pioneers will receive further information after completing an NDA with us. Further information will be provided by means of a detailed Investment Memorandum.

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Equinox turbine specifications (commercial model, typical)

| | |
|---------------------------------|---------------------------------|
| Designation: | Equinox Ocean TT50 |
| Main rotor diameter: | 50m |
| Deployment water depth: | 80m – 600m |
| Recommended rated water speeds: | 1.6 – 2.0 m/s (3.2 – 4.0 knots) |
| Rated grid power: | 1.5 – 3.0 MW |
| Energy yield: | 10 – 20 GWh / annum (typical) |