

Origin by Ocean in brief

Origin by Ocean is a biorefining company making sustainable ingredients for the chemicals industry from invasive and farmed seaweeds.

Our patented refinery process transforms algae into various functional chemicals while reducing excess nutrients in our oceans. They can be used as healthy, economical and oil-free ingredients for everyday consumer goods ranging from food and cosmetics to textiles and novel packaging materials.

Our biorefinery is unique in utilising its entire feedstock to produce numerous molecule-level ingredients and useful biomass from just one process. Highly scalable and able to integrate with the existing industry, it will catalyse a new era of regenerative value chains that actively benefit the ecosystems so crucial for our flourishing.

Building a regenerative value chain

The Origin by Ocean biorefinery bridges the emerging algae-based aquaculture business and the existing oil-based chemicals industry. Together with partners across this new value chain, we do research, development and commercialisation to fulfil our missions at both ends: to *wash the oceans* and to *make the chemical industry run on algae*.

Harvesting algae overgrowth and farming beneficial seaweeds for feedstock reduces eutrophication and improves marine biodiversity while minimising the need for oil and animal-based inputs. By developing new methods in aquaculture and creating demand for algae feedstock, we provide new livelihoods for coastal entrepreneurs worldwide.

For the chemicals industry, algae-based ingredients offer unique competitive advantages and reduce the environmental footprint of their products. Algae-based ingredients better meet the requirements of existing and incoming regulations, make it possible to respond to consumer demands for sustainability, and often have better functionality, availability and cost compared to existing ingredients.

Activists for industrial transformation

Origin by Ocean was founded in 2019 by chemist and environmental activist Mari Granström after witnessing first-hand the degradation of the marine environment while diving. Since then the company's vision has attracted a team of several dozen chemists, biologists, engineers and other experts energised by the possibility of doing something truly significant for the environment. We combine our values of professionalism and collaboration with an activist ethos—being unafraid to take concrete action and challenge the unsustainable status quo.