

Clean Ocean Coatings: From the lab to the oceans

Clean Ocean Coatings offers an innovative hull coating solution, based on a polymer matrix and nanostructured ceramic particles. More than 8 years of research and real application in several projects led to a well-positioned product that has potential to disrupt the established market: Ecoating is a toxin-free marine hard coating, does not pollute the ocean with microplastic like conventional and eroding coatings and contributes significantly to fuel savings thanks to its outstanding surface properties. On top, the Ecoating is easy to clean and lasts at least two years longer than conventional solutions.



“We aim to make an end to self-eroding coatings and establish the antifouling management of tomorrow.”

Christina Linke, CEO
Clean Ocean Coatings

Connecting to pilot partners in R&D partnerships with a long-term impact

Since 2022, the Enterprise Europe Network (EEN) with its Hamburg based host organization TUTECH INNOVATION GmbH looks for fitting pilot and cooperation partners as well as R&D projects that bring Ecoating to the next technology readiness level. Thanks to the continuous exchange between EEN’s maritime industries and services sector group, EEN’s funding advisory and especially Clean Ocean Coatings fast and reliable action, there is a perfect match between the young company and a HORIZON consortium of prominent players: In 2023, Clean Ocean Coatings joins this visionary project, closely aligned with the European green deal: Sustainable Energy Applications for Green and Low-impact Operation of small-scale fishing boats in the Baltic and North Sea basins (SEAGLOW).

SEAGLOW will demonstrate that utilization of complementary technologies is a game-changer for fishing vessels, allowing the cost-efficient reduction of fuel consumption, benefiting the fishing community and the environment, and accelerating the fishing sectors opportunities for positive change.

The consortium will ensure solid collaboration of all relevant actors, connecting stakeholders and consortium partners of all types, including specialists in energy supply, power trains, fishing, research, business, associations, and policy advisors.

SEAGLOW strives to enhance innovation in a traditional industry, by encouraging investments into modern engineering and IT, generating wealth, and creating employment in often marginal regions.





Entering the leisure boating market

Ecoting can be applied not only on container vessels but also to refine the hulls of sailing and motor boats. According to the [European Boating Industry](#), (EBI) over 6 million boats are kept in European waters while 10,000 marinas provide over 1 million berths both inland and in coastal areas.

The boating industry is mainly made up of small and medium-sized enterprises (97% of businesses are SMEs) and a small number of large companies (over 1 000 employees). On its own, the boatbuilding sector consists of 3,600 companies employing over 82,000 people.

(Source: <https://www.europeanboatingindustry.eu/about-the-industry/facts-and-figures> ICOMIA Statistics Book - For sale on www.icomia.com)

Entering the leisure boating market, the leading industry fair boot Düsseldorf plays a key role, as it is the central meeting point for stakeholders along the entire value chain, from end customers to investors. EEN and its sector group maritime industries and services pre-selected innovative start-ups that applied for the pitching session, organized by the European Boating Industries' blue innovation dock and [yachting ventures](#). Thanks to its promising impact, Clean Ocean Coatings made it not only to the stage but won the competition that provides them with a free booth to exhibit at boot 2025.

“The use of new anti-fouling products is critical to reducing environmental impact of recreational boating. We were delighted to provide COC a space to pitch at the EBI-organised Blue Innovation Dock during boot Düsseldorf. We look forward to hosting them in January 2025 and seeing where their journey has taken them.”

Philip Easthill, Secretary General
European Boating Industry

The journey continues

Christina, where are you heading, what are COC's milestones in the next two years?

“This year we are working intensely on scaling the production and further external validation of our product. We are especially looking for ferries or working boats to have “twins” we can compare with each other. Also, we aim to collaborate with smart cleaning solutions like ultrasound or cleaning robots to establish the antifouling management of tomorrow together for an impeccable hull at all time.

Together with the Enterprise Europe Network and our [local EEN](#) host we will definitely look for further synergies both in R&D as well as in cross-border partnering and the upcoming [MariMatch](#) matchmaking events.”

The Enterprise Europe Network is an initiative of the European Commission that helps ambitious SMEs innovate and grow internationally. The services TUTECH offers within Enterprise Europe Network are free of charge, thanks to the funding by European Union and by the City of Hamburg.

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