



Join the Campus!

Excellent Conditions: The ecosystem for the Ocean Technology Campus Rostock already exists at Rostock Port within its harbor area. A number of companies and research institutes are already developing new marine technologies on site.

As a special feature, the Digital Ocean Lab as an underwater test field offers realistic test conditions in the Baltic Sea. Development of a new industrial cluster with settlements of national and international operating companies, expansions of existing companies, start-ups in various areas and creation of new highly qualified jobs.

Establishment & cooperation of a global competence network for underwater technology: COVE (Halifax/ Canada), Ocean Gate (Plymouth/ UK), GCE Ocean Technology (Bergen/Norway), and many more.



Prof. Dr. rer. nat. Udo Kragl
University of Rostock

“The cluster for future OTC Rostock offers a globally acting network of companies and research institutes and direct access to highly trained and motivated people.”



Prof. Dr. Ing. Uwe Freiherr von Lukas
Fraunhofer IGD

„At the Ocean Technology Campus we combine research and application in an exceptional environment as a one stop shop for innovative underwater technologies.“



OTC
54° 6' 28" N
12° 5' 31" E

Contact:

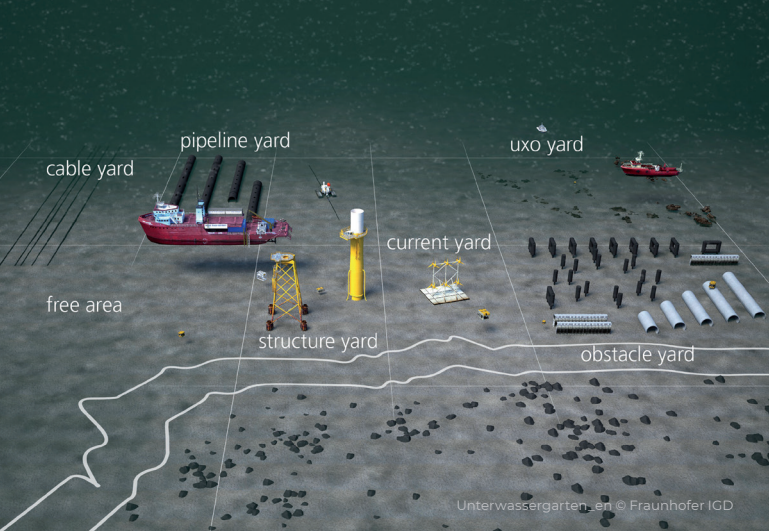
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UNDERWATER TECHNOLOGIES

FOR SUSTAINABLE OCEAN USAGE



The Ocean Technology Campus

The Campus sets out to strengthen German marine technology by opening up important markets and setting impulses for a worldwide knowledge-based sustainable use of the oceans - and it does so at one of Germany's most traditional maritime locations, Rostock, with its exceptionally high density of marine and maritime research.

The campus combines science, industry and unique testing sites as an innovative engine targeting renewable energies, food supply, climate change, marine pollution and others.

With the synergy of a comprehensive understanding of the ocean ecosystem through excellent research and a sustainable use of the marine habitat through innovative technologies at the highest level lies the key to reconcile ecology and economy.

Cluster for Future OTC Rostock

In February 2021, the Ocean Technology Campus was selected by the German Federal Ministry of Education and Research as one of seven future clusters in the "Clusters4Future" competition.

The cluster integrates technology developments for the sustainable use of the ocean, recognizing the needs of research, business, and society.

In its first implementation phase, the cluster will work on 18 high-impact research and development projects over the next three years – with a perspective of two more phases of governmental support.

Thus, a unique research, business, and education cluster in the field of underwater technology will be created, which will bundle creative potentials and create innovation-promoting structures.

In the coming years, the OTC Rostock will mature an internationally recognized centre of innovative maritime technologies and applications, demonstrating that ecology and economy can get along perfectly well.



Innovation Fields in the Cluster

// DIGITAL MISSION

Digital Twins as a powerful concept for integrating scalable data platforms, AI-based analytics and simulation to support offshore missions and decision making.

// OCEAN LENSE

Efficient monitoring to ensure the conservation and to quantify the impact of human activities on marine systems. Data are collected as comprehensively as possible and with high temporal frequency over long periods of time.

// OCEAN OPEN INNOVATION

Cross-organizational collaboration among partners, building a functioning innovation ecosystem, and improving value chains.

// SUBSEA MOBILITY & AUTONOMY

Modular solutions for autonomous vehicles with attention on high flexibility, energy, communication and positioning.

// SUSTAINABLE OCEAN USE

Preserve marine ecosystems, even though resources are already being used intensively – e.g. with offshore wind or production of marine biomass in aquaculture facilities.