MARITIME AI INNOVATION LAB

Join us to shape what's next …

We're excited to share that the first two innovation tracks are already up and running, bringing together partners to accelerate short-cyclic innovation and deliver impactful results. But this is just the beginning.

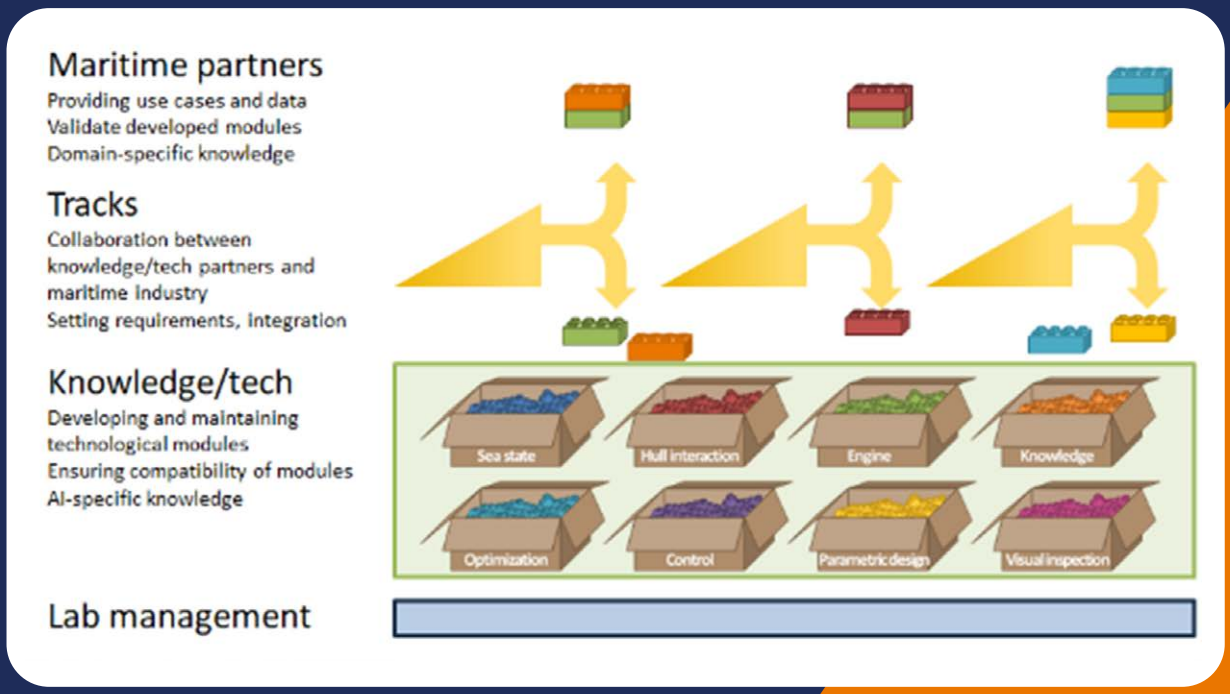
We are now inviting organizations to join forces and form consortia for the remaining tracks-or even propose new tracks that align with your strategic priorities. This will take place on the 12th of February.

This is your opportunity to collaborate with leading stakeholders across sectors and co-create agile innovation cycles that turn ideas into solutions fast.

Shape the future roadmap for short-cyclic innovation and send an email to

t.n.v.dijk@marin.nl

to express your interest and secure your place in the next wave of innovation.



Core partners

Cooperation partner

Flexible ring

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TRACK 1: SAFETY AND WORKABILITY

Track 1 focuses on increasing safety and workability in offshore operations by developing machine learning models. Specifically, track lead Daan van der Made wants to develop models to forecast workability and motion sickness. The track is split into two parts: one that focuses on near real-time predictions (minutes ahead) and one that focuses on short-term forecasts (hours ahead). Currently, both sides of the track are finalizing their project plans and beginning work on the first iterations of the machine learning models. Read more …

TRACK 2: EMISSION REDUCTION

Track lead Prof. dr. ing. Coraddu Andrea addresses one of the most urgent challenges facing the maritime sector today: reducing emissions through improved fuel efficiency under real operational conditions. By leveraging onboard data streams, we are developing robust, data-driven models capable of predicting and optimizing vessel fuel consumption while accounting for variable weather, sea state, and the evolving impact of hull fouling. These tools will support real-time operator guidance and advanced routing strategies, supporting safer and greener maritime operations. Read more …

LEGAL AND ETHICAL ASPECTS OF AI

Servicing all tracks within the lab Lenneke Sprik focuses in her Professional Doctorate (PD) research on the legal and ethical aspects of AI use and data sharing in the maritime sector. In her research, she explores how the maritime sector can design AI systems that are in compliance with relatively new European regulations, such as the AI Act and the Data Act. The development of these systems also comes with questions regarding data governance and the ethical values that should be taken into account in order to be supported by their users and the public. The security of generated data is another pressing issue in relation to AI that will be addressed in this PD project. Read more …

SAVE THE DATE: DUTCH AI CONGRESS: APRIL 14, UTRECHT

AI is everywhere: in healthcare, the classroom, the factory, traffic, the courtroom, and the military. It is rapidly changing how we work, learn, and live together. The question is not if AI will change our society, but how. And what you, as a professional, can do to help shape these developments.

On Tuesday, April 14, 2026, at DeFabrique in Utrecht, the Dutch AI Congress will bring together government, knowledge institutions, businesses, and start-ups to answer that question.

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