



Press Release - 06/05/2025

## Sea.AI to Bring Advanced Radar Perception to AI-Powered Machine Vision

Sea.AI, the pioneer in artificial intelligence for maritime vision, is making significant strides toward next-generation situational awareness by integrating award-winning radar perception software, Tocaró Blue's ProteusCore™, into its AI-driven navigation platform.

The collaboration will dramatically enhance object detection, identification, and decision-making in all visibility conditions, delivering a new standard of safety for vessels worldwide.

In 2018, Sea.AI introduced the first onboard safety systems utilizing machine vision technology, enabling operators to see more, understand more, and navigate with greater confidence.

Building on a proprietary database of millions of annotated marine objects, Sea.AI is taking its multi-sensor fusion approach to the next level by combining high-resolution optical, thermal, AIS, and radar data into a single navigation interface.

### Smarter Navigation Through AI-Powered Sensor Fusion

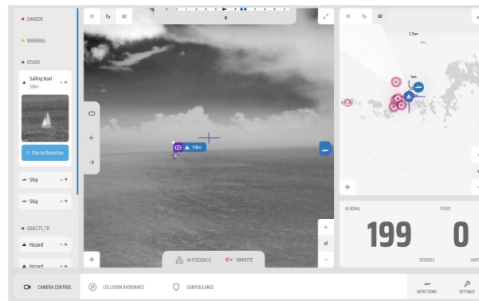
With the integration of ProteusCore™, Sea.AI customers can visualize filtered and de-cluttered radar targets presented in the Sea.AI camera interface.

With the fusion of radar data, Sea.AI customers unlock the all-weather capability providing unparalleled object and collision avoidance information.



The combination of advanced radar perception with Sea.AI's machine vision technology will improve distance estimation and collision avoidance while providing 360-degree situational awareness in even the poorest conditions.

Development is well underway, with availability targeted for Q4 2025 as a software upgrade for existing Sea.AI systems.



### A New Era for Maritime AI

"Merging radar with optical and thermal vision will allow us to deliver a fully AI-enhanced safety system," said **Marcus Warrelmann, CEO of Sea.AI**. "We are not just reading instruments. We are making them intelligent."

"Tocaró Blue is proud to support Sea.AI's mission of saving lives at sea by empowering their products with our advanced ProteusCore™ AI Radar Perception software. Combining radar and camera technologies creates powerful sensor fusion, significantly enhancing situational awareness for maritime operators. We're excited to bring this innovative solution to market in collaboration with Sea.AI!" — **John Minor, CEO of Tocaró Blue**





**Diogo Arreda** (US Sales Manager at Sea.AI), **Nicolas Tangredi** (US Sales Manager at SEA.AI),  
**Marcus Warrelmann** (CEO at Sea.AI), **John Minor** (CEO at Tocaro Blue),  
**Andrew Rains** (Senior Sales Director at Tocaro Blue).

### Want to learn more?

AI is reshaping the world — and the maritime domain is no exception.

Join SEA.AI for an exclusive webinar on **May 27th at 16:00 EST / 10:00 CET** to discover how SEA.AI's machine vision technology, now enhanced with Tocaro Blue's ProteusCore™ radar perception software, is **unlocking a new level of situational awareness at sea**.

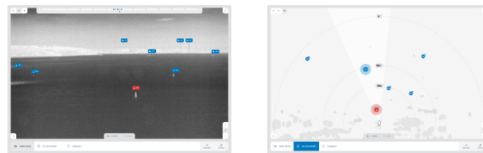
The session will explore the evolution of maritime AI, **the strengths of SEA.AI's optical and thermal detection**, the added power of radar-based interpretation, and how the combined solution delivers unmatched safety and performance for vessels worldwide.

### Speakers

**Philipp Stampfl**, Product Manager, SEA.AI

**Andrew Rains**, Senior Sales Director, Tocaro Blue

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### About SEA.AI

SEA.AI is a pioneer in Machine Vision for maritime applications since 2018. With a team of over 70 professionals based in Austria, France, Portugal, and the United States, the company is dedicated to making Machine Vision the new standard for safety and situational awareness in the maritime sector. Their product range includes fully integrated systems that combine optical and thermal sensors with artificial intelligence to enhance safety and security at sea, as well as SEA.AI's maritime machine vision solution, Brain, which is compatible with third-party cameras. SEA.AI systems are designed to quickly detect and identify floating objects, providing the crew with real-time information. The technology is available in various versions tailored to the specific needs of recreational, commercial, and governmental vessels, including unmanned surface vehicles (USVs).

[www.sea.ai](http://www.sea.ai)

### About TOCARO BLUE

Tocaro Blue modernizes legacy marine sensors with smart software. ProteusCore™, their machine learning solution for radar, implements deep neural networks and vessel dynamics algorithms to filter noise, classify objects, and track movements in real-time. Engineered for multi-sensor fusion integration, ProteusCore provides developers with an intuitive platform that dramatically simplifies the traditionally complex process of marine radar data interpretation.

[www.tocaroblue.com](http://www.tocaroblue.com)

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