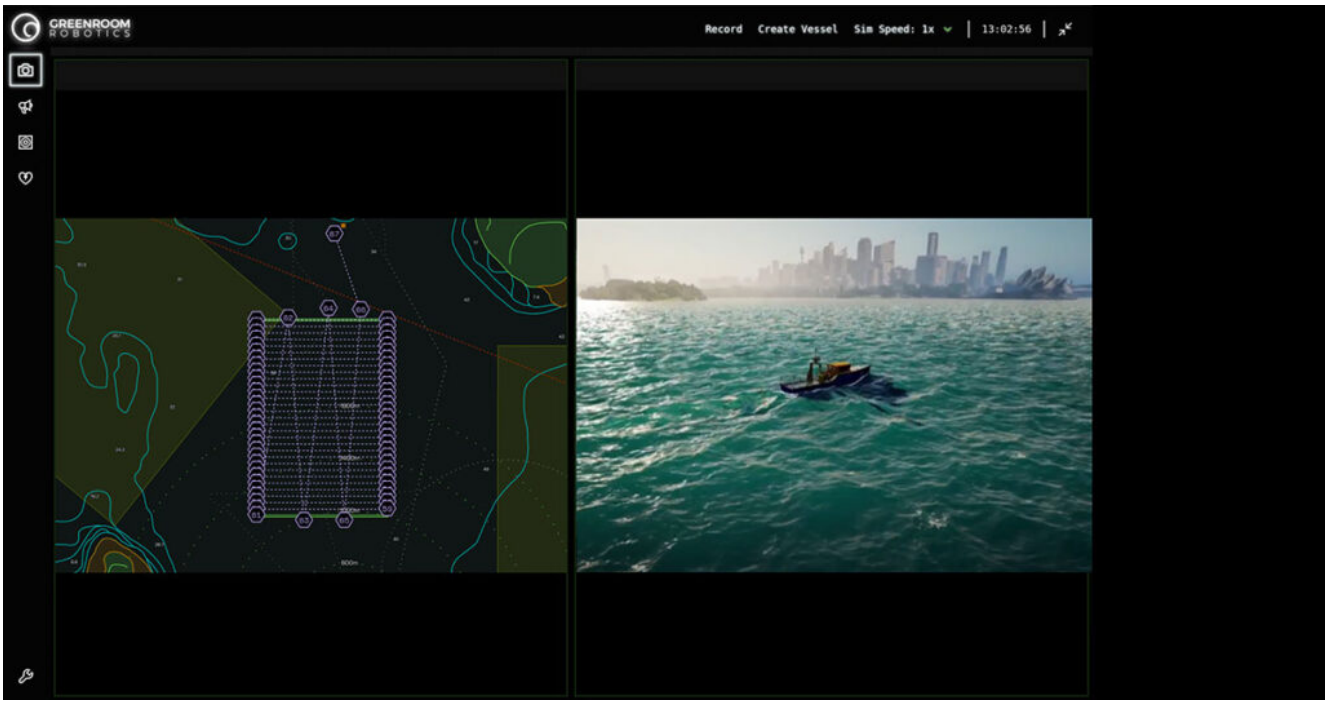
Seabed 2030, Greenroom Robotics Announce Partnership to Support Global Ocean Mapping



Autonomous survey mission planning in Greenroom Robotics' MIS-SIM simulation environment, enabling efficient, scalable ocean data collection.

LONDON, 24 March 2026 – The Nippon Foundation-GEBCO Seabed 2030 Project is pleased to announce a new partnership with Australian maritime AI and autonomy innovator, Greenroom Robotics. Greenroom Robotics specialises in artificial intelligence-enabled perception and autonomy software that support safer, more efficient and environmentally responsible maritime operations.

Through this collaboration, Seabed 2030 and Greenroom Robotics will explore opportunities to support the efficient collection, processing and sharing of bathymetric data, contributing to the mission of delivering a complete map of the world's ocean floor.

Greenroom Robotics software modernises maritime operations through enhanced autonomy, situational awareness and digital workflows. Its hardware-agnostic solutions support uncrewed and optimally crewed vessel operations, helping to enable more persistent and scalable ocean data collection.

Seabed 2030 is a collaborative project between The Nippon Foundation and the General Bathymetric Chart of the Oceans (GEBCO), which seeks to inspire the complete mapping of the world's ocean, and to compile all the data into the freely available GEBCO Ocean Map.

The Project is formally endorsed as a Decade Action of the UN Ocean Decade. GEBCO is a joint programme of the International Hydrographic Organization (IHO) and the Intergovernmental Oceanographic Commission (IOC), and is the only organisation with a mandate to map the entire ocean floor.

Advances in autonomous and digitally integrated maritime systems are increasingly supporting hydrographic surveying and ocean mapping activities. By enabling vessels to operate more efficiently and collect high-quality data at scale, such technologies can help expand and expedite mapping coverage in both coastal and remote ocean regions.

For example, advanced autonomy systems can enable survey operations using smaller vessels and reduced crew while maintaining data quality. In real world operations this approach has delivered a 94% reduction in diesel consumption compared to the same crewed survey task, demonstrating the potential for more environmentally efficient ocean mapping operations.

Commenting on the new partnership, Seabed 2030 Director Jamie McMichael-Phillips said: "Achieving the ambitious goal of mapping the entire ocean floor requires continued innovation in the technologies used to collect and process bathymetric

data. Partnerships with organisations such as Greenroom Robotics help advance the capabilities needed to make ocean mapping more efficient, scalable and accessible.”

James Keane, Chief Executive Officer of Greenroom Robotics, commented: “We are proud to partner with Seabed 2030 in support of the global effort to map the ocean floor. By modernising maritime operations with autonomous and digitally integrated technologies, we can help make ocean mapping safer, cleaner and more efficient. We’re looking forward to supporting the collection of high-quality data that contributes to this important global initiative and helps safeguard our oceans for the future.”

All data collected and shared with the Seabed 2030 project is included in the free and publicly available GEBCO global grid.