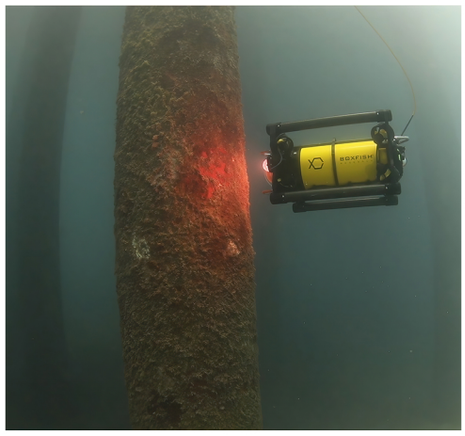
Boxfish ROVs & HAUVs

Application – Offshore Energy

Underwater Robotic Inspection

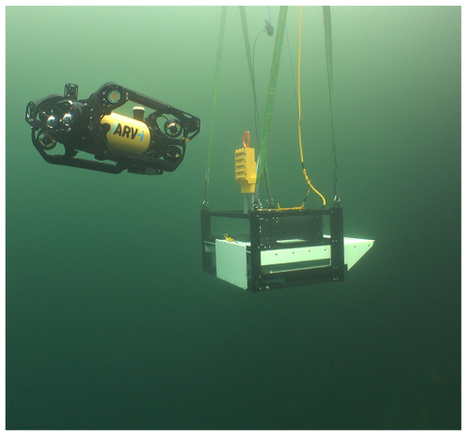


The offshore wind industry demands precision, efficiency, and safety, especially when it comes to underwater inspections and monitoring. Boxfish Robotics offers cutting-edge robotic solutions that redefine the way we approach these challenges. Our Remote Operated Vehicles (ROVs) are designed to excel in the harsh underwater conditions of offshore wind farms.
Lightweight, portable, battery operated Boxfish ROVs provide a versatile alternative to traditional methods, eliminating the need to send divers for routine or emergency inspections on structures like monopile steel and concrete, fixed steel platforms, and floating wind platforms. They are equally adept at proactive tasks such as CP readings, flooded member detection, steel thickness measurements, and 3D photogrammetry.

Boxfish ROV Features
Boxfish ROVs offer precision maneuverability even in strong currents, due to their eight 3D vectored thrusters and nearly equal thrust distribution in all directions. With uncompressed 4K video coupled with lighting, minimal latency, and the addition of two ultra-wide-angle cameras, our ROVs provide unmatched underwater visibility best photogrammetry results and comprehensive situational awareness. Easy to use, with a battery life of up to 15 hours, our ROVs ensure efficient and precise inspections, allowing to cover more ground without interruptions.

Why Choose Boxfish ROV
When it comes to offshore wind, Boxfish ROVs stand out. Their extreme portability, self-contained design, and active stabilisation capabilities ensure smooth operations. With Boxfish, you get the perfect blend of safety, efficiency, and advanced technology for your offshore wind projects.

Autonomous Offshore Inspection



The ARV-i, the revolutionary autonomous underwater resident vehicle developed in collaboration between Boxfish Robotics and Transmark SubSea. ARV-i is redefining continuous monitoring of underwater assets, making waves in offshore energy, wind farms, and aquaculture by enabling secure underwater operations, including those that require minimise or completely eliminate human presence offshore.
ARV-i boasts a range of operational configurations. As a resident autonomous underwater vehicle (AUV), it resides underwater for extended periods, autonomously inspecting and observing assets. When human intervention is needed, it can be used in manual piloting mode.

ARV-i Features
In resident mode, ARV-i leverages its autonomous capabilities, making use of advanced stability and manoeuvrability. It is lightweight, allowing it to be transported by air on regular flights, and incorporates a wide range of sensors and payloads to capture diverse data. With its long endurance and the ability to work in various currents, along with the option for full underwater residency using a fixed dock, it stands out from other systems on the market.

Why Choose ARV-i
ARV-i offers tetherless and resident operation to enhance efficiency, reduce costs, and promote environmental sustainability through the power of autonomy. Talk with our exerts about your offshore projects and explore the future of underwater autonomous operations!

+64 9 600 1910 | info@boxfishrobotics.com
www.boxfishrobotics.com