

SAFETY AWARD 2025

IMCA

Workshop series promotes walk-to-work safety

International Marine Contractors Association (IMCA) held a series of workshops dedicated to improving standards, safety and best practices in walk-to-work operations. The workshops brought together marine contractors, offshore wind developers, OEMs and W2W manufacturers to explore issues around procurement, design, oversight and assurance, training, competency, and maintenance.

Guidance Marine

Targetless sensor SceneScan reduces human error and equipment interference

Guidance Marine's SceneScan is the first and only targetless sensor that operates seamlessly across various offshore structures, including platforms, wind farm monopoles, and vessels like FPSOs, LNG carriers, and OSVs. By eliminating the need for physical targets, SceneScan significantly reduces the potential for human error and equipment interference, enhancing operational safety in complex environments. Its versatility and ability to adapt to different structures make it essential for maintaining precise positioning in challenging offshore conditions, ensuring safer operations across the maritime industry.

Zelim

ZOE Intelligent Detection

ZOE Intelligent Detection, a man overboard locating solution that was developed by ZELIM founder Sam Mayall. The system delivers real time intelligent person in water (PIW) and object detection, alerting and tracking to enhance both search and sea surface monitoring operations.

Finding people or objects in the water is a game of chance; currents, waves, sea-spray and ever-changing light create a chaotic environment that obscures and deceives. Providing consistent, accurate detection performance, day and night, ZOE changes the odds in your favour.

Developed in collaboration with the US Coast Guard, ZOE improves the probability of detection, with an objectively measured detection performance of 96.8% accuracy for people in water from 337 m. When optical zoom is applied the distance increases.

Earlier this year, ZOE, was deployed onboard on *VALARIS Stavanger* and in September the technology received Approval in Principle from Lloyd's Register.

It works by transmitting an automatic alert to the radio operator who can then see a 10-second video clip of why the alert was triggered whilst simultaneously viewing live footage. The system logs the position of the vessel or rig and the person overboard and provides the radio operator with a mayday call script and action checklist.

The installation features seven infrared and optical cameras placed around the vessel/rig, each with AI target identification functionality, providing detection day and night, in fog and harsh weather sea states.

Flyability

Elios 3 UT

Flyability revolutionizes vessel inspection using drone technology. Using its new drone Elios 3 UT, Flyability can conduct close-up, systematic vessel visual inspections, using the power of a computer and LiDAR mapping. The UT payload developed in collaboration with Cygnus Instruments allows the drone to perform accurate thickness measurements on vessels and equipment. Elios 3 UT provides all the data needed for class inspection. Using advanced drone technology allows surveyors to avoid work at height and in confined spaces, improving safety for workers in the maritime industry.