



## Training Specialist Technicians for Robotic Technologies

The current COVID-19 virus crisis has accelerated the need to reduce POB on floating assets to a minimum and this requires a new breed of multi-skilled specialist technicians who can operate sophisticated asset integrity equipment and liaise in real time with onshore teams responsible for the asset.

EM&I has developed a range of diverless, robotic and digital technologies which will help achieve this objective. Their diverless ODIN® UWILD (under water inspection in lieu of drydocking) for hull and valve inspections and repair and NoMan® remote camera and laser technologies for tanks and difficult to access areas have reduced personnel requirements, safety risk, cost and carbon footprint over the last five years and are now increasingly in demand as operators deal with the challenges of mobilizing people to floating asset fleets worldwide.

The diverless HullGuard® system follows the same principle of reducing diver intervention by using a periscope-type anode inserted from inside the hull through class approved ODIN access ports and then linked to an ICCP (impressed current cathodic protection) system that can send information on system performance to the shore base without human intervention

Further developments, such as their ExPert™ technology for inspecting all the HAEE (hazardous area electrical equipment) in a fraction of the time and cost normally required; LORIS™ for diverless anchor chain inspections and repairs and WallGuard™ for pressure vessels, are also now being introduced.

"All these technologies are safer, smarter and greener but equally importantly, minimize the challenge of moving people to site in these difficult times," commented Danny Constantinis, executive chairman of EMI Group, the international asset integrity specialists. "We have stepped up our technical development and associated training programs to meet increased demand for remote integrity services and are working hard to support our clients as they ensure the safe operation of their plant in these unprecedented times."

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