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**Press release**

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## **MAN Energy Solutions Signs MoU with DOEN**

### **Memorandum of Understanding covers propulsion system for Australian Army landing craft**

MAN Energy Solutions and Doen WaterJets (DOEN) have agreed to join forces to offer a fully integrated propulsion system solution to the Australian Army's LAND 8710 Littoral Manoeuvre Vessel Phase 1A (LMV-M) programme to acquire a medium landing craft suitable for a range of missions in Australia's northern waters and beyond. This cooperation spans the full product lifecycle including propulsion system design, Integrated Logistics Support (ILS) and commissioning, through to spare parts and technical services once the landing craft enter service.

Tim Udvary, Managing Director, Doen WaterJets, added: "We have had considerable success supplying our waterjet products to landing craft and other defence programs for the United States, Israeli, Indian, and Indonesian Navies, the Malaysian Maritime Enforcement Agency, and other government agencies across the globe. Joining forces with MAN Energy Solutions, we are committed to harness our collective track record to provide an extremely robust, reliable and serviceable water jet propulsion system to the Australian Army if selected for the LAND 8710 programme."

Jeffrey Moloney, Managing Director Australia, MAN Energy Solutions, said: "We believe a system approach, teaming with Doen WaterJets, provides a unique point of difference for this mission-critical system. Having one propulsion system supplier for LMV-M from acquisition to sustainment is consistent with our understanding of the Department of Defence's desire for integrated, robust and well supported systems in the regions they operate."

MAN Energy Solutions is offering its groundbreaking MAN 175D engine, which has been the high-speed engine of choice for fourteen South-East Asian Navy and Governmental programs since it was released to the market in 2016. The MAN 175D offers notable low-load endurance fit for extended riverine and littoral mission profiles without compromise. Smart adaptation of turbocharger wastegate control and other features mean the MAN 175D will maintain 100% rated power output in the hottest Northern Australian environments conceivable.

To match the MAN 175D engine, DOEN is offering its all Australian DJ400 water jet, manufactured at its Melbourne facility. The DJ400 features a fully stainless-steel impeller pump design; the rotor, casing and nozzle are all stainless steel, making DJ400 an extremely tough and wear-and-corrosion resistant product. This, combined with the flexibility to customise features to suit the application, for example incorporation of a stainless steel intake grill, ensures the highest levels of operability and reliability in the green and brown waters highlighted by the Australian Army's LAND 8710 functional specification.

Under the terms of the agreement, MAN Energy Solutions would be the propulsion system supplier to the prospective shipyard with Doen WaterJets and the gearbox manufacturer suppliers to MAN Energy Solutions. MAN Energy Solutions would be

an authorised service partner for all of the supplied equipment and commits to establishing MAN PrimeServ facilities in Townsville, Queensland and Darwin, Northern Territory ensuring the highest levels of local service support for the complete propulsion system. MAN Energy Solutions and Doen WaterJets will invest in training so MAN PrimeServ technicians come equipped with knowledge of the MAN 175D engine and Doen DJ400 water jet.

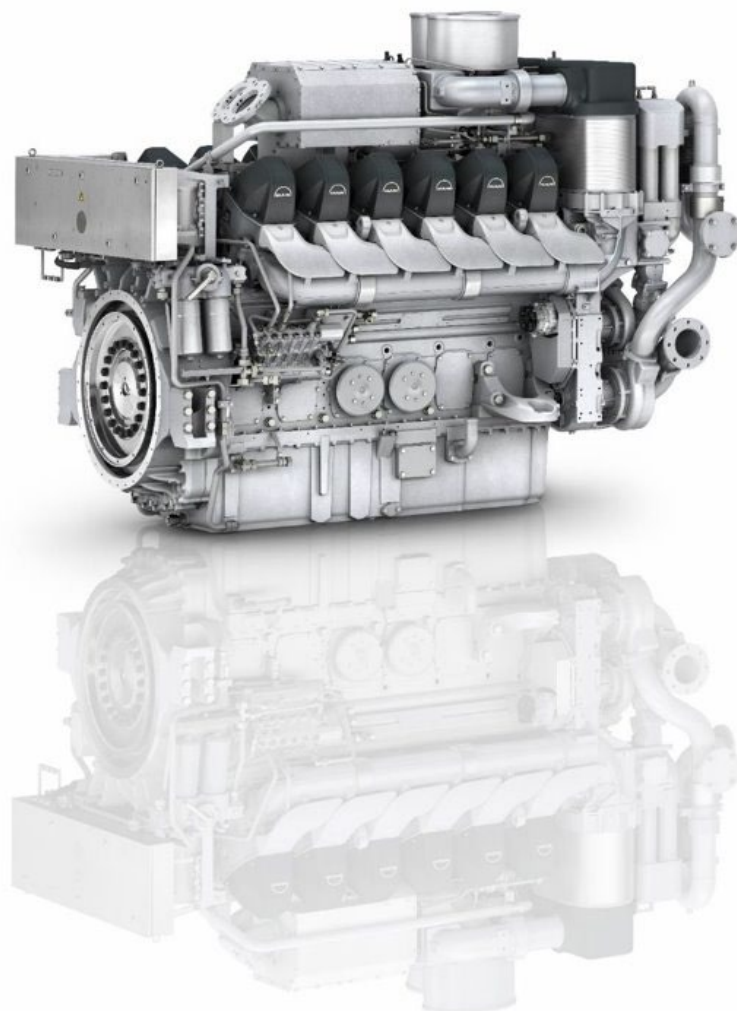
In addition to the seamless in-service support, a benefit of MAN Energy Solutions and DOEN collaboration is best-in-class fuel consumption, which will reduce operating costs and has the potential to extend landing craft range. Exceptional engine load response and a wide water-jet cavitation margin ensure LMV-M can navigate tight corners with ease. Army has the added confidence knowing MAN 175D engine and DJ400 water jet feature in the Qatari Emiri Navy, Landing Craft Mechanised (LCM) vessels Broog and Ishat, which have operated successfully since entering service in July 2022.

## **About Doen WaterJets**

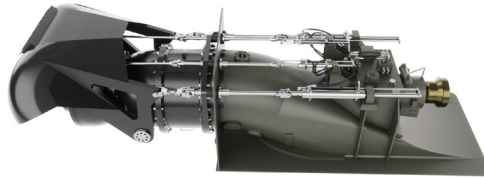
Doen WaterJets offers one of the most extensive and versatile waterjet portfolios in the market. For over 50 years our mission has been to provide superior performance, reliability and simplicity at every stage of the vessel life-cycle. We work closely with boat designers, builders and operators to ensure our class-leading technology stays ahead of the constantly evolving operational demands of a diverse array vessels and applications.

Utilising an almost exclusively Australian supply chain, and our own cutting-edge capabilities, we showcase the very best that the country's advanced manufacturing has to offer. Proudly wearing our 'Made in Australia' badge, we are a member of the Australian Commercial Marine Group and the Australian Marine Exports.

Doen WaterJets is a company with ISO 9001 Quality Assurance System certified by DNV.



*The MAN 175D engine*



*DEON DJ400 WaterJet*

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MAN Energy Solutions enables its customers to achieve sustainable value creation in the transition towards a carbon neutral future. Addressing tomorrow's challenges within the marine, energy and industrial sectors, we improve efficiency and performance at a systemic level. Leading the way in advanced engineering for more than 250 years, we provide a unique portfolio of technologies. Headquartered in Germany, MAN Energy Solutions employs some 14,000 people at over 120 sites globally. Our after-sales brand, MAN PrimeServ, offers a vast network of service centres to our customers all over the world.