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Media Release

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DUKC® Receives ClassNK Innovation Endorsement for Products & Solutions

OMC International is proud to announce that its industry leading Dynamic UKC (DUKC®) technology has received the prestigious Innovation Endorsement from ClassNK, a globally recognised classification society committed to supporting sustainable maritime innovation.

This endorsement independently affirms the role of DUKC® as a transformative decision support technology that increases sailing drafts and windows, allowing ports to safely facilitate larger, deeper vessels.

Developed and continuously refined over three decades, DUKC® is the only real-time vessel transit management system that has maintained a perfect safety record spanning 30+ years and 240,000 transits. DUKC® integrates real-time environmental data measurements, AI enhanced forecasts, vessel characteristics, and advanced vessel motion modelling within a digital twin of the port to optimise sailing drafts and windows whilst managing navigational constraints such as daylight, currents, and wind threshold.

Peter O'Brien, Chief Executive Officer of OMC International, said:

"We are honoured to receive ClassNK's Innovation Endorsement. Their certification process confirmed our system's capability of delivering smarter and more sustainable ports and shipping. DUKC® has evolved through continuous R&D and client-driven innovation, and this endorsement provides confidence to industry that DUKC® can be trusted to deliver safer shipping and smarter ports."

DUKC® is currently deployed in major ports across Australia, New Zealand, Middle East, Europe, North America, and South America, and is increasingly being adopted as a critical decision-support tool by port authorities and terminal operators that recognise the opportunities to enhance safety, efficiency and sustainability through the application of this technology.

OMC International remains committed to advancing maritime safety and efficiency through innovation, and this endorsement marks a significant milestone in its journey to support the global maritime industry's transition to safer, smarter and more sustainable operations.

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About OMC International

OMC International is a maritime technology and engineering company, with a focus on facilitating safe, efficient, resilient, and sustainable port operations through digitalisation and innovation. OMC is the inventor of a suite of multi-award winning digital port optimisation and risk management technologies including the Dynamic Under Keel Clearance System (DUKC®), BerthAlert, TransitAnalyst, PortWeather, Optical Draft Intelligence (ODIN), and the AI AirDraft detection and alerting system.