

DUKC® Sustainability Impact Statement

Enabling Safer, Smarter and More Sustainable Ports

DUKC® (Dynamic Under Keel Clearance) is OMC International's proprietary decision-support technology that enables ports and vessel operators to optimise vessel movements safely and efficiently and more sustainably.



Environmental Benefits

DUKC® supports improved environmental outcomes by:

- Reducing the need for capital and maintenance dredging
- Optimising vessel loading and sailing windows
- Supporting lower fuel consumption and emissions
- Improving port efficiency without new infrastructure

Safety & Efficiency

DUKC® delivers measurable operational improvements:

- Enhanced safety margins through dynamic clearance modelling
- Reduced operational delays and congestion
- Improved predictability for port and vessel operators
- Data-driven decision support for complex waterways

Sustainability Outcomes

While DUKC® is not an emissions-reduction technology in itself, it enables operational efficiencies that can contribute to reduced emissions and environmental disturbance, depending on port and vessel operating conditions.

OMC International works collaboratively with customers to quantify sustainability outcomes where practicable, supporting ports in meeting their environmental and reporting commitments.

For more information, visit www.omcinternational.com.au | OMC International Pty Ltd