

SHIP OF THE FUTURE



Fusion Class

Ship 1 - P&O Pioneer

Ship 2 - P&O Liberté



DOUBLE ENDED HYBRID SHIPS

Replacement of the Darwin vessels with a bespoke design, optimised for the Dover / Calais route and providing increased capacity with a lower operating cost than our existing fleet



230M LOA
44,000 Tonnes
1500 Passengers
30m Beam
6.7m Draught
3663 Lane Meters
17.6 knot service Speed

A double-ended design and two bridges on the ship, meaning that there is no need for it to turn around and reduces fuel use.

Panoramic sea views for passengers.

Outside deck areas to provide viewing platforms of the White Cliffs of Dover.



DOVER ← → CALAIS



Cutting fuel use by 40 per cent through a combination of fuel and battery propulsion.



The heat recovery system saves fuel which reduces the vessel's carbon footprint.



A power management system to close down parts of the ship when not in use.

Revolutionary new shape of hull for the English Channel and azimuth thrusters which increase manoeuvrability of the ship.

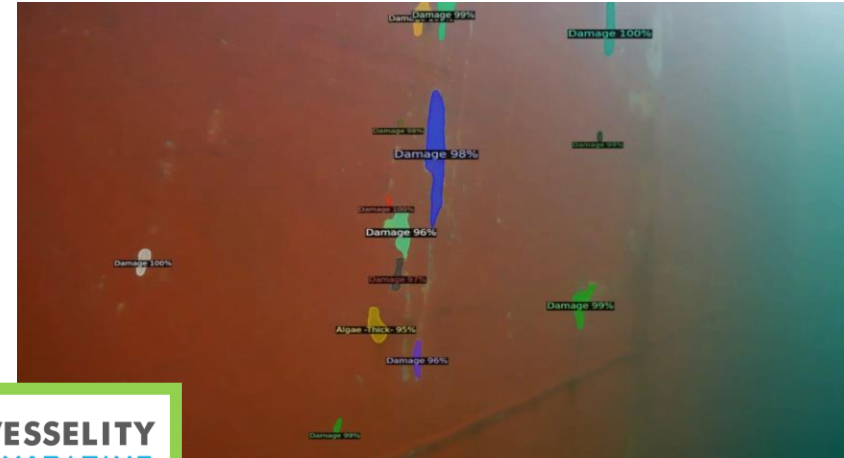


Future proofing anticipates the 'zero carbon emissions ship'.

Fleet Underwater drone survey.

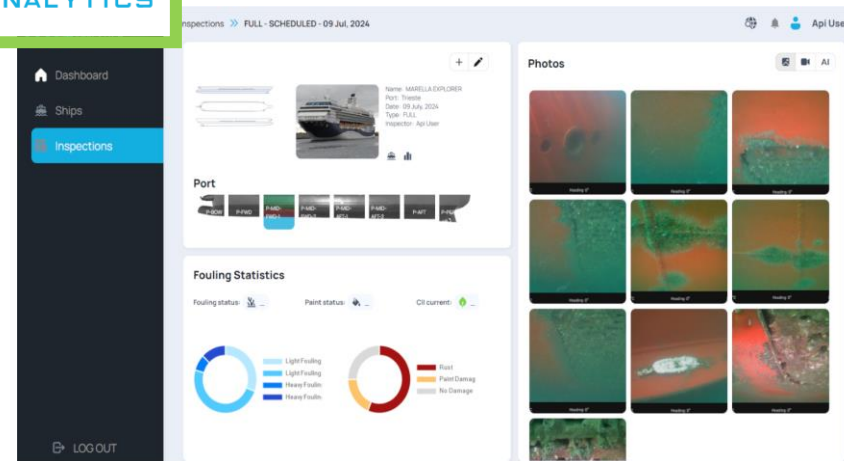
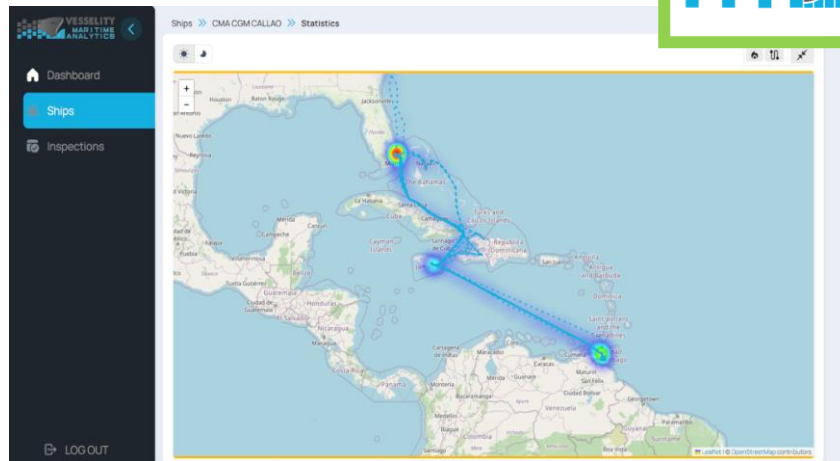
Drone Survey & Hull Performance Analysis

ROV Inspection



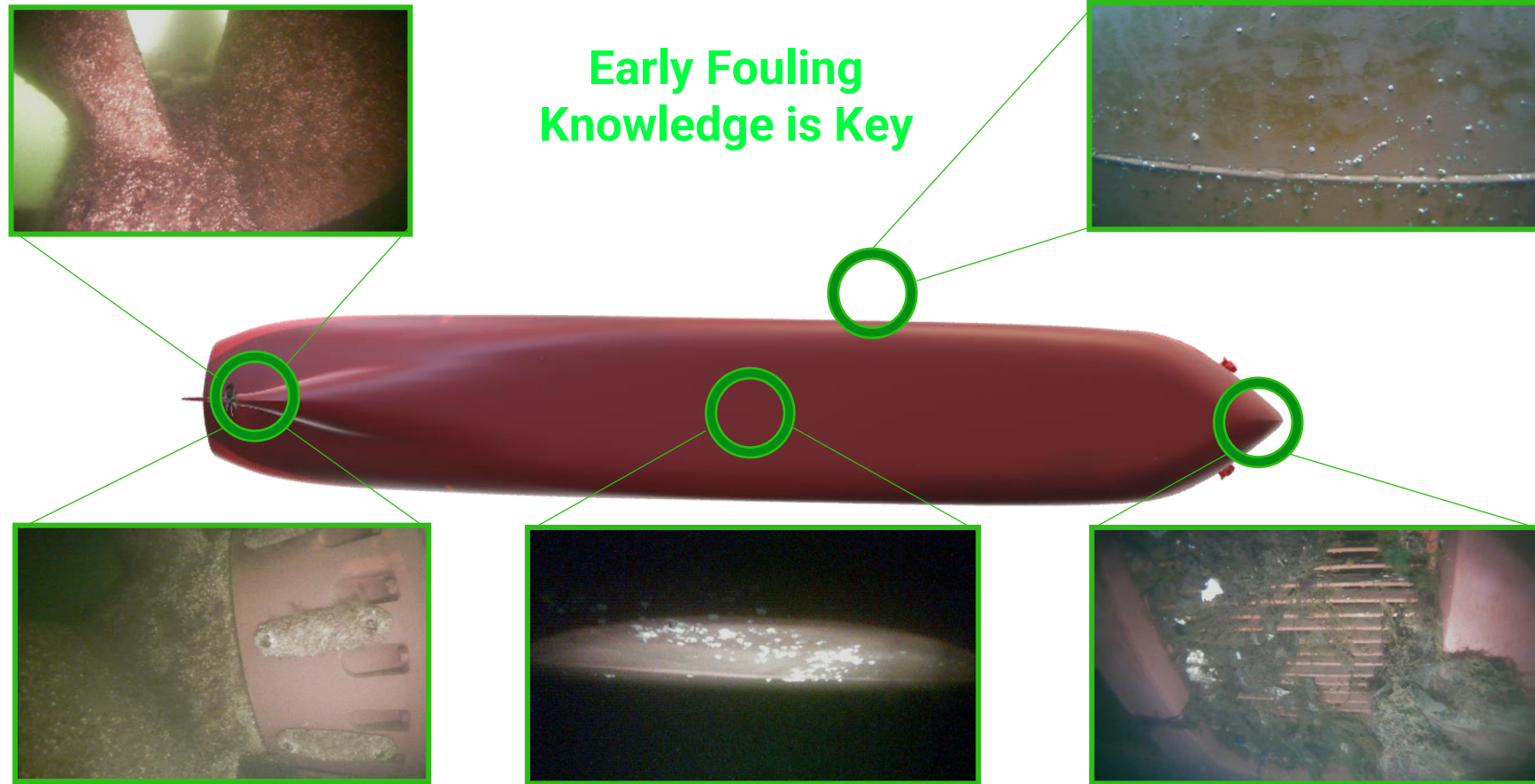
AI Evaluation

Route analysis



Data Storage

Underwater drone survey images.



Drone Survey & Hull Performance Analysis.

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Smart Ship – Hull Performance monitoring

Continuous monitoring of hull performance characteristics and a tool to check consumption at various speeds, dwt and hull condition.

