



HYBRID PATROL / PILOT VESSEL

VESSEL DETAILS

Owner	Wight Shipyard Co.- UNITED KINGDOM
Year Built	2019
Length (LOA)	9.64m - 31.60ft
Beam	2.90m - 9.50ft
Construction	Aluminium
Ship Designer	Chartwell Marine, UK
Shipyard	Wight Shipyard Co., UK
Engines	Diesel 162kW @ 4000rpm
Class	UK Workboat code

HAMILTONJET SUPPLY

Propulsion	2 x HJ241 waterjets
Control System	Mechanical propulsion control system
Hybrid System	Integration support with Transfluid Hybrid system

PARALLEL HYBRID SYSTEM

The Chasewell Patrol Vessel uses twin Volvo D3 engines, ZF gearboxes, HJ241 waterjets and the Transfluid HM560 hybrid system.

Waterjets were selected for this vessel to achieve shallow draft and high manoeuvrability from a compact package.

HamiltonJet provided valuable data that enabled Chartwell to specify a suitable battery bank and electric motor for this application. Furthermore, the waterjets fitted neatly into the vessel when coupled up to the hybrid driveline." The vessel has set the benchmark for patrol and pilot vessels that need to keep pace with changing environmental requirements while still being able to switch easily between variable speeds when required.