



ARIA Hybrid Drive Demonstrator

SERVICE:	Workboat Demonstrator	HYBRID-INTEGRATION	HamiltonJet EHX
LOCATION:	Lyttelton, NZ	WATERJETS:	Twin HTX30
LENGTH:	14.8 metres (LOA)	ENGINES:	Twin Diesel 530kW (710hp) @ 2300 rpm
BEAM:	5.4 metres	ELECTRIC MACHINES:	Twin EM PMI375-T800 2600 100kW @ 2600 rpm
CONSTRUCTION:	Aluminium	BATTERIES:	Corvus 78kWh
SPEED:	9 knots - Full Electric 37 knots - Diesel 42 knots - Boost	BUILDER:	Q-West, NZ
CONTROLS:	AVX with JETanchor	DESIGNER:	Technikraft, NZ
INTEGRATION:	HamiltonJet EHX	OPERATOR:	HamiltonJet

demonstration of the EHX system. Aria demonstrates the EHX hybrid system's ability to automatically transition between its 4 power modes: Electric, Generate, Diesel, and Boost. Making smooth automatic transfers at higher rpm can be complex. Having Aria as a development platform has been a critical part of the success of EHX.