



## HYBRID SURVEY BOAT

### VESSEL DETAILS

<b>Owner</b>	Civil Engineering and Development Department - HONG KONG
<b>Year Built</b>	2023
<b>Length (LOA)</b>	16.0m - 52.49ft
<b>Beam</b>	6.0m - 19.68ft
<b>Construction</b>	Aluminium
<b>Ship Designer</b>	n/a
<b>Shipyard</b>	Changzhou FRP Shipyard - CHN
<b>Engines</b>	Diesel 588kW @ 2300rpm e-Motor 24kW
<b>Class</b>	DNV - RINA

### PARALLEL HYBRID SYSTEM

This aluminium hydro-graphic survey vessel was built for the Civil Engineering and Development Department of Hong Kong. Designed and fitted with specialized, high resolution multi-beam sonar and position fixing equipment mainly for hydro-graphic surveying. It will perform survey duties at shallow and/or congested waters with the required speed and manoeuvrability. The vessel can also efficiently transit at high speed from base to survey sites for emergency surveys while also being able to effectively manoeuvre and loiter during cruising operations due to high efficiencies of the jet throughout the operating profile.

### HAMILTONJET SUPPLY

<b>Propulsion</b>	2 x HM461 waterjets
<b>Control System</b>	AVX propulsion control system with Hybrid Interface, JETanchor positioning system
<b>Hybrid System</b>	Integration support with hybrid system

The vessel has HamiltonJet AVX-Hybrid interface controls for smooth transition between diesel and electric propulsion and JETanchor positioning system. The vessel can achieve a maximum speed of 23 knots.