



## HYBRID PATROL VESSEL

### VESSEL DETAILS

<b>Owner</b>	Port of Oslo - NORWAY
<b>Year Built</b>	2021
<b>Length (LOA)</b>	13.10m - 42.97ft
<b>Beam</b>	3.88m - 12.72ft
<b>Construction</b>	Aluminium
<b>Ship Designer</b>	Maritime Partner AS, NO
<b>Shipyard</b>	Maritime Partner AS, NO
<b>Engines</b>	Diesel 331kW @ 3000rpm e-motors 37kW
<b>Class</b>	DNV / HSLC

### HAMILTONJET SUPPLY

<b>Propulsion</b>	2 x HTX30 waterjets
<b>Control System</b>	AVX with Hybrid Interface propulsion control system, JETanchor positioning system
<b>Hybrid System</b>	Integration support with Hybrid system

### PARALLEL HYBRID SYSTEM

The Port of Oslo hybrid patrol boat will be used for Port surveillance as well as escorting larger vessels sailing in the port area. The Port Authority are out on the fjord every day to ensure that ships can travel in a safe and efficient manner.

The patrol boat is powered by twin diesel engines and the OEMER electric motors. These are connected to two HTX30 waterjets via a ZF gearbox on each propulsion line. The top speed of the boat is over 30 knots and using battery only operation it can run at 4-5 knots for up to 3 hours.

The boat also has a JETanchor positioning system for station keeping and virtual anchor operations.

The diesel engines can also run on biodiesel and their emissions are in accordance with strict international environmental regulations.