



## Annapolis Hybrid Patrol Boat

<b>SERVICE:</b>	Harbor Master Patrol Boat
<b>LOCATION:</b>	Annapolis, Maryland, USA
<b>LENGTH:</b>	7.00 metres [LOA]
<b>BEAM:</b>	2.50 metres
<b>DRAUGHT:</b>	0.43 metres
<b>CONSTRUCTION:</b>	Aluminium
<b>DISPLACEMENT:</b>	3.1 tonnes
<b>SPEED:</b>	29 knots
<b>WATERJET(S):</b>	Single HamiltonJet Model HJ213
<b>ENGINES:</b>	Single Steyr M0306 diesel - 220kW (292hp) @ 4300rpm
<b>GEARBOX:</b>	ZF63
<b>DESIGNER/BUILDER:</b>	MetalCraft Marine, Ontario, Canada
<b>OWNER/OPERATOR:</b>	Annapolis Harbor Master, MD, USA
<b>HJ DISTRIBUTOR:</b>	Jastram Technologies Ltd, Ontario, Canada

### MANOEUVRABILITY

### FLEXIBILITY

### SHALLOW DRAUGHT

The hybrid Steyr engines in these repowered harbor patrol boats use diesel (& bio-diesel) for high speed operations and electric power for low speed (up to 2hrs at 4.5 knots). Battery charging is boosted by solar panels. Use of hybrid engines has reduced fuel consumption by up to 50%. Waterjets provide the flexibility to run under both forms of power with maximum manoeuvrability retained at all times.

**No. 435**