

# ARMADA A8



## Uncrewed robotic ship

The Ocean Infinity Armada Fleet comprises of over 30 vessels in six classes from 8m to 86m in length. It has been designed to reduce offshore exposure and vessel emissions through the use of robotic technologies and remote operation. The Armada Fleet is delivering the next step in offshore safety and makes a significant move towards sustainable operations at sea.

All Armada vessels are designed for remote operation from Ocean Infinity's Remote Control Centre (RCC) network. Vessels are connected to the RCC network with Ocean Infinity's proprietary remote communications system that ensures our assets are secure and safe from cyber threats.

Each Armada vessel class has been designed to offer a multirole capability within its size and capacity and can support a range of subsea equipment from hull mounted geophysical sensors and towed equipment to ROV's and large geotechnical subsea drills.

The Armada 8 (A8) is a 8m aluminium hulled uncrewed surface vessel designed with an interchangeable payload frame that facilitates configuration for a wide variety of tasks including surveying, environmental research, seismic support, and security.

Unique hull design provides excellent sea keeping.  
Highly survivable, repairable and rugged aluminium hull.  
Wrap around durable fender.  
With max speed of 7 knots and up to 7 days endurance.

Payload frame for easy integration of standard or custom payloads.  
Fully redundant propulsion and communication systems.  
Suitable for launch from a mothership or shore.

### SPECIFICATIONS

<b>Type</b>	Armada A8	<b>Class</b>	N/A
<b>Owner/Operator</b>	Ocean Infinity Group	<b>Built</b>	2017/2018
<b>Flag</b>	N/A		



<b>Remote Control System</b>	L3Harris ASView
<b>Regulatory Regime</b>	MCA & Workboat Code
<b>Dynamic Positioning</b>	N/A
<b>Length</b>	7.61m
<b>Beam</b>	2.14m
<b>Min. Draft</b>	0.99m
<b>Displacement (light/full)</b>	3.7/4.8T
<b>Deck Area</b>	N/A
<b>Deck Load</b>	N/A
<b>Moonpool Size</b>	0.85 x 0.75
<b>Gross Tonnage</b>	4.8T
<b>Economic Speed</b>	3-4 Knots
<b>Operational Range</b>	Line of Site
<b>Endurance</b>	7 Days @ 4 Knots
<b>Communications Systems</b>	Iridium, RF Radios, VHF

<b>Survey Positioning</b>	Fugro starfix 9205
<b>Survey Heading &amp; Attitude</b>	Advanced Marine Systems
<b>Single Beam Echosounders</b>	Airmar DT800
<b>Multi Beam Echosounders</b>	N/A
<b>ADCP/DVL</b>	Speed Transducer Airmar ST950
<b>Side Scan Sonar</b>	N/A
<b>Sub Bottom Profiler</b>	N/A
<b>Magnetometer</b>	N/A
<b>ROV/AUV</b>	N/A
<b>VSAT Antennas</b>	N/A
<b>Installed Power (kW)</b>	Quattro 24VDC/5000Kw/120VAC
<b>Batteries</b>	4 x Rolls S12-230A (Service) and 4 x Odyssey 35/PC1400 (2 x Starter and 2 x Emergency)

