OCEAN INFINITY®

ARMADA A36

Lean-crewed robotic vessel

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 36 (A36) is a 36m aluminium hulled vessel designed to deliver geophysical survey and light subsea inspection tasks. The A36 can host both hull mounted and towed geophysical sensors delivering a capability equivalent to much larger survey vessels. To ensure data quality and weather window are sufficient the vessel features a ballasted drop keel sensor gondola and uses stabilisation fins.

The A36 can optionally host a twin Ocean Infinity Saab Leopard ROV system on a fully automated remote control Launch And Recovery System (LARS). The A36 is an optionally crewed vessel with facilities to host a crew of four marine personnel. All payload operations are remote, using Ocean Infinity's proprietary Dynamic Payload Controller (DPC).

SPECIFICATIONS

Type	Armada A36
Owner/Operator	Ocean Infinity Group
Flag	UK
Class	DNV + 1A1 LC Cargo Battery (Power) R1
Built	Under construction Grovfjord Mekaniske Verksted, Norway and Gdansk, Poland

Remote Control System	L3Harris ASView
Regulatory Regime	MCA/DNV UK Class VII Vessel
Dynamic Positioning	MT DP2
Length	36m
Beam	9.2m
Min. Draft	1.8m
Displacement (light/full)	100/260T
Deck Area	200m^2
Deck Load	108T
Moonpool Size	7.6 x 3.5m
Gross Tonnage	250T
Economic Speed	8-10 Knots
Operational Range	Global
Endurance	10-35 days depending on payload and operation
Communications Systems	VHF, point-to-point radio, satellite communications, 4G/LTE

Survey Positioning	Veripos LD900 DGNSS
Survey Heading & Attitude	Sonardyne SprintNAV 500 INS
Single Beam Echosounders	Simrad & Konsberg EA440
Multi Beam Echosounders	Kongsberg EM2040-04 Dual Swath (600m)
ADCP/DVL	Sonardyne Syrinx 400kHz DVL
Side Scan Sonar	Edgetech 4205 MP/MT
Sub Bottom Profiler	Innomar SES-2000
Magnetometer	OPTION: Subvision Magnetometer (Attached to SSS)
ROV/AUV	TBC
VSAT Antennas	2 x 1m Ku-Band Antennas with L-Band Back up
Installed Power (kW)	568Kw with Battery Peak shaving
Batteries	2 x 78kW 600V Corvus Orca Li-ion

Configuration is variable and final backdeck arrangement may differ.