



## iSURVEYOR II

### Light Survey Vessel

The vessel is built for fast, cost effective mobilisation and repeatable surveys nearshore with a large degree of flexibility. The vessel can be transported by road on a trailer for a quick entry to the survey location.



## Vessel Specifications

### Dimensions

LOA:	7m
Width:	2.5m
Draught:	c.0.5m
Weight including engine:	2500kg

### Performance

Engine:	Suzuki 150Hk
Transport Speed:	32kts
Survey speed:	2-8kts

### Manning

Skipper:	1
Surveyor:	1
Max people:	7
Beds:	2

### Safety Equipment

Life raft:	project dependent
Survival suit:	project dependant
Lifejacket:	1 per person onboard

### Deck

Large open or covered back deck for various operations  
 Side mounted brackets for flexibility  
 Survey pole for excellent flexibility, repeatability and performance  
 Lifting tools: 1 x Davit  
 Winch  
 Working light  
 Aft deck helm

### Miscellaneous

Bow thruster	4kw heater
Windshield defogging	Toilet
Fresh water	Cooler
Cooktop	

## Vessel Equipment

### Navigation

Chart Plotter / Multi-beam Echo Sounder:  
 Simrad Evo3 9HDI 83/200kHz  
 AIS: EasyAIS VHF: Handheld

### Power

DC: 12V / Plug-in hybrid 5.7Kwh  
 AC: Victron Multiplus 3000 inverter / charger  
 Backup AC: Honda EU20 input to Victron Multiplus

## Project Dependant Survey Equipment

### Position, Heading and MRU

Kongsberg Seapath  
 SBG Eclipse / Equinox / Apogee  
 Applanix Pos MV - SurfMaster / WaveMaster / OceanMaster / Elite  
 C-Nav3050  
 TSS Meridian Surveyor  
 Kongsberg MRU5 / MRU5+

### Multi-beam Echo Sounder

R2Sonic 2020 (200 - 400khz & 700kHz )  
 R2Sonic 2024 (200 - 400khz & 700kHz )

### Sidescan Sonar

Innomar SES 2000 (600Khz)  
 Edgetech 4125 Towfish (400/900khz)  
 Tritech StarFish 452F (450khz) / 990F (1MHz)

### Sub-bottom Profiler

Innomar SES 2000 (2-22Khz)

### Laser Scanning

Merlin Lidar (250m) / Velodyne Puck VLP-16 - (100m)

### ROV

SeaBotix vLBV300 (300m) / Blue Robotics - BlueROV2 (100m)

### Data Acquisition Software

Eiva NaviSuite Kuda

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