AMAZA SURVEY SERVICES

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2020 RENTAL POOL

NORBIT iWBMS MULTIBEAM

with narrow transmit array (0.5° x 0.5° @ 700kHz)

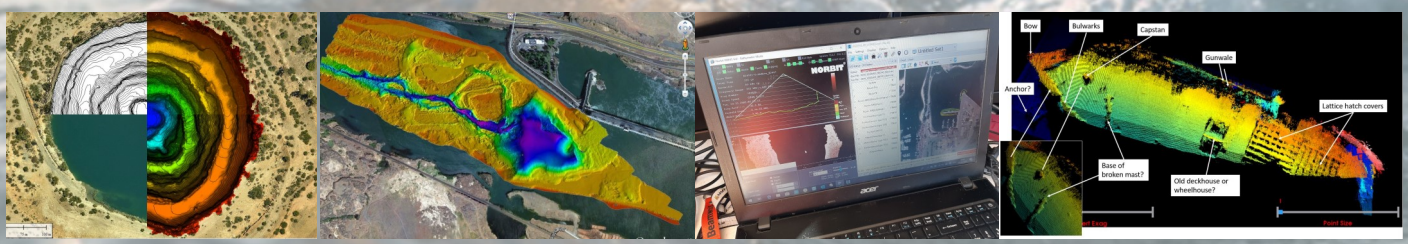
STANDARD FEATURES

- Curved multibeam sonar array (5-210°) with integrated GNSS-aided inertial navigation system (Applanix WaveMaster II)
- Integrated sound velocity probe
- Frequency agile (200kHz—700kHz) - nominal 400kHz
- Roll stabilisation, sidescan, water column, backscatter and snippets
- Simple ethernet interface
- Flexible power 60W (10-28VDC)
- Depth Range 0.2-275m

OPTIONS

- Hydrographic Surveyor for support & training
- Sound Velocity Profiler
- Generic Pole Mount
- Laptop with acquisition, navigation and post-processing software
- RTK Base Station & radio modem
- Satellite-based corrections
- NORBIT LiDAR

The NORBIT iWBMS multibeam is a small compact multibeam survey system which can be carried as check-in luggage on any commercial airline. The entire system is transported in a robust Pelican-case which weighs less than 30kg. This is an all-in-one integrated broadband multibeam turnkey solution offering high resolution over a wide swath. The high-end sonar is integrated with a GNSS/Inertial Navigation System (Applanix WaveMaster II) and ensures fast and reliable mobilisation and quality soundings.



System	Technical Specifications
NORBIT iWBMS with narrow transmit array (200-700kHz)	Range resolution: <10mm (acoustic @ 80kHz) 0.9° x 0.9° @ 400kHz / 0.5° x 0.5° @ 700kHz
Integrated Applanix WaveMaster II GNSS/IMU motion reference and heading	Hor. Pos.: ±(8mm +1ppm x Dist. from RTK base) Vert. Pos.: ±(15mm + 1ppm x Dist. from RTK base) Pitch/roll accuracy: 0.02° independent of antenna separation Heave accuracy: 5cm OR 5% (2cm RTK) Heading accuracy: 0.03° (RTK) with 2m baseline
NORBIT AML sound velocity probe	Accuracy ±0.025 m/sec Precision ±0.006 m/sec Resolution ±0.001 m/sec