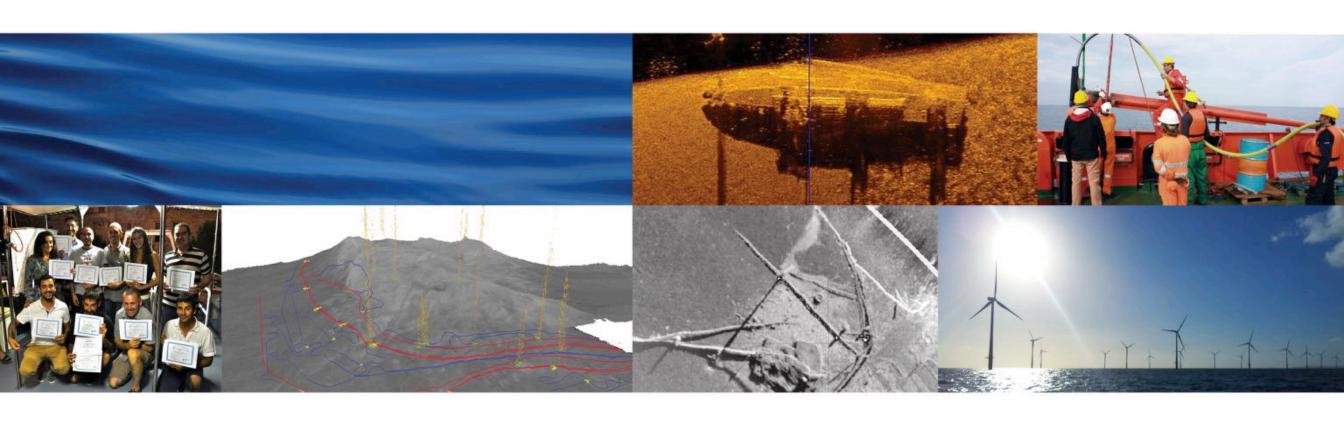


NORBIT – HYPACK Training iWBMS & iLIDAR



Male, Maldives October 2017

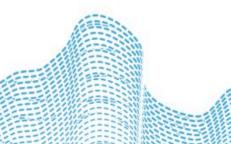
Chiara Tessarolo, PhD, Senior Marine Geologist
Alessandro Nemola, Senior Surveyor & Data Processor

Geological & Biological Team Your Offshore Solution Partner















In October 2017, GBT ltd carried out a training with the NORBIT iWBMS system (0.9°x 1.9° Tx, 400 kHz) and the NORBIT iLIDAR, for MTCC Company (Male, Maldives). The Systems were interfaced with HYPACK — HYSWEEP Software for data acquisition, processing and charting. The Survey test were realized around Male and Ghuli Falhu Islands.

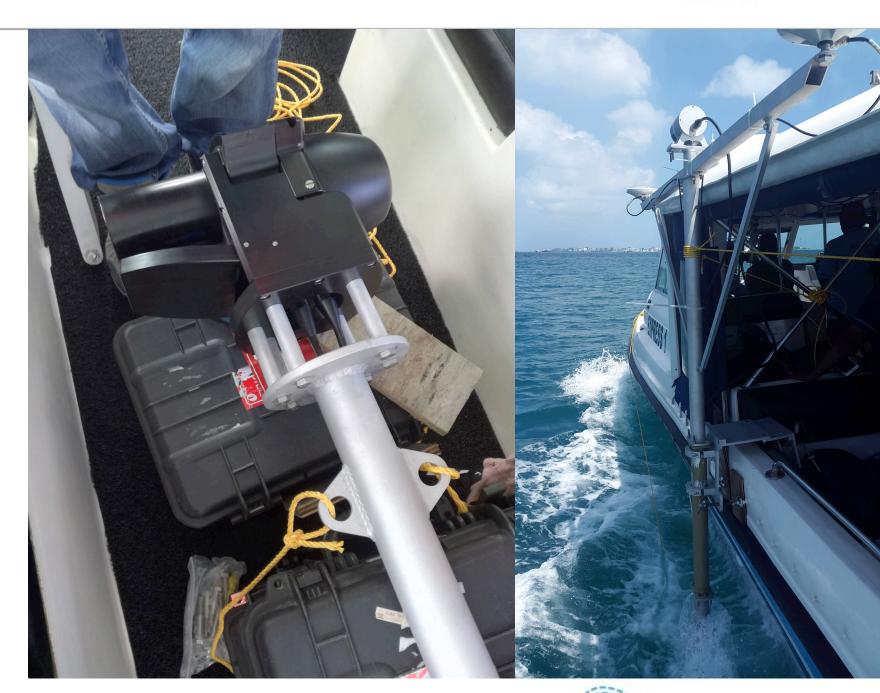








The NORBIT iWBMS System was installed on a T-Bar pole, on Port side of client Cutter (Crew) Boat "Express1". Once the mounting flange was ready, the mobilization of the whole system took about 1 hour (Pole, NORBIT iWBMS Applanix integrated, Primary and Secondary GPS antenna, NORBIT ILIDAR).



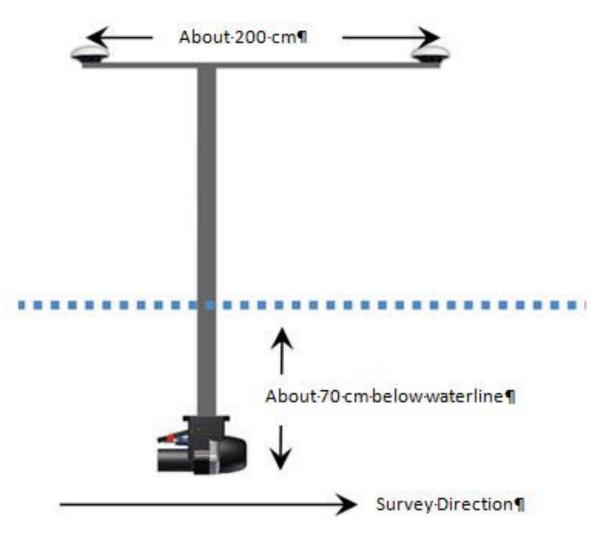






Survey Configuration









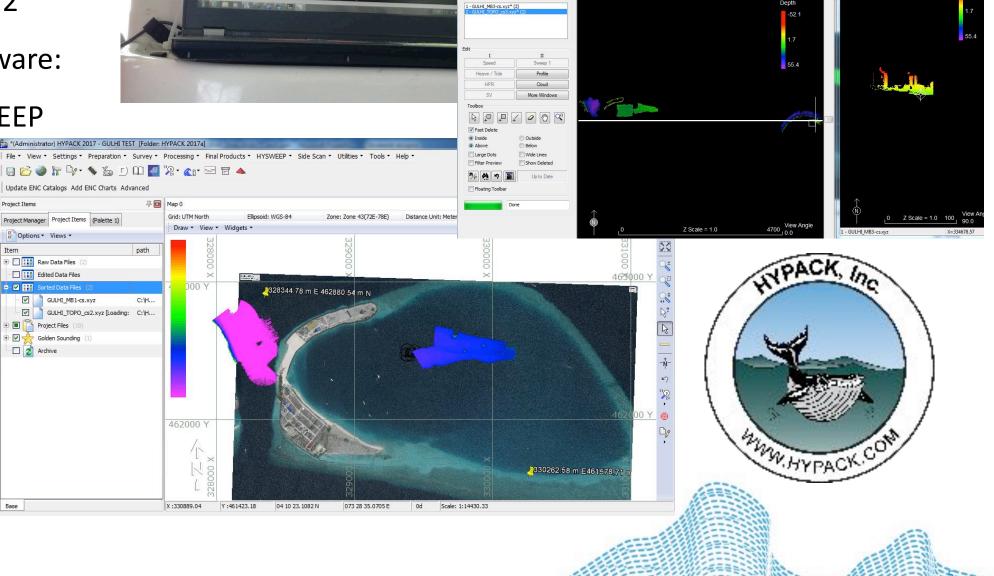


Data Acquisition Software:

- HYPACK 2017
- NORBIT GUI 10.2
- •Data Processing Software:
 - •HYPACK HYSWEEP

Archive

MODULE

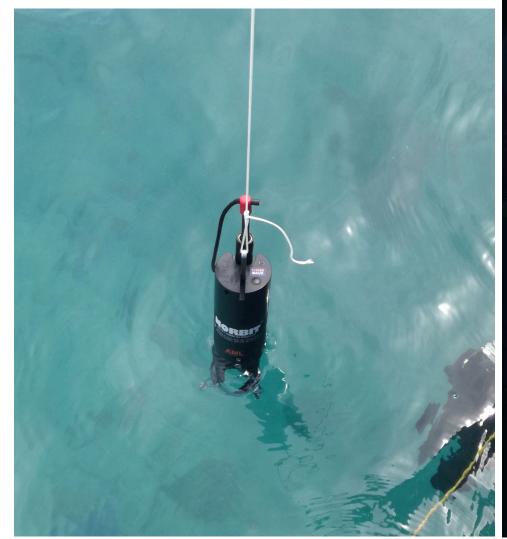








The correct acoustic signal recording has been assured by employing the AML Sound Velocity profiler.





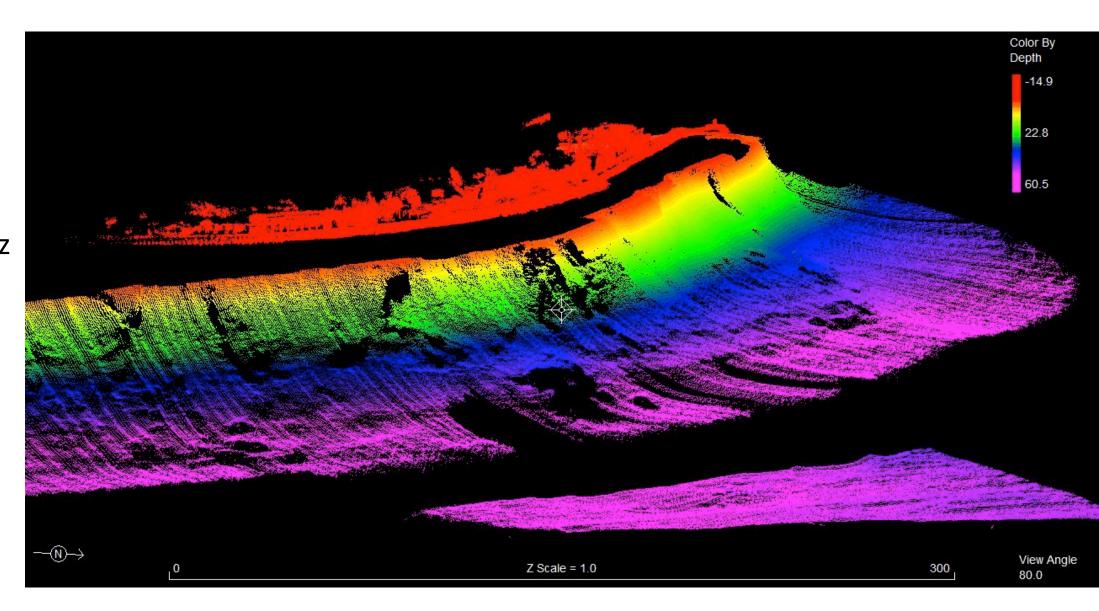


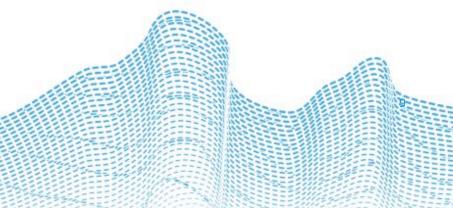




Frequency 400 kHz FM 80kHz BW Swath angle 160°

Vertical Exaggeration 1.00





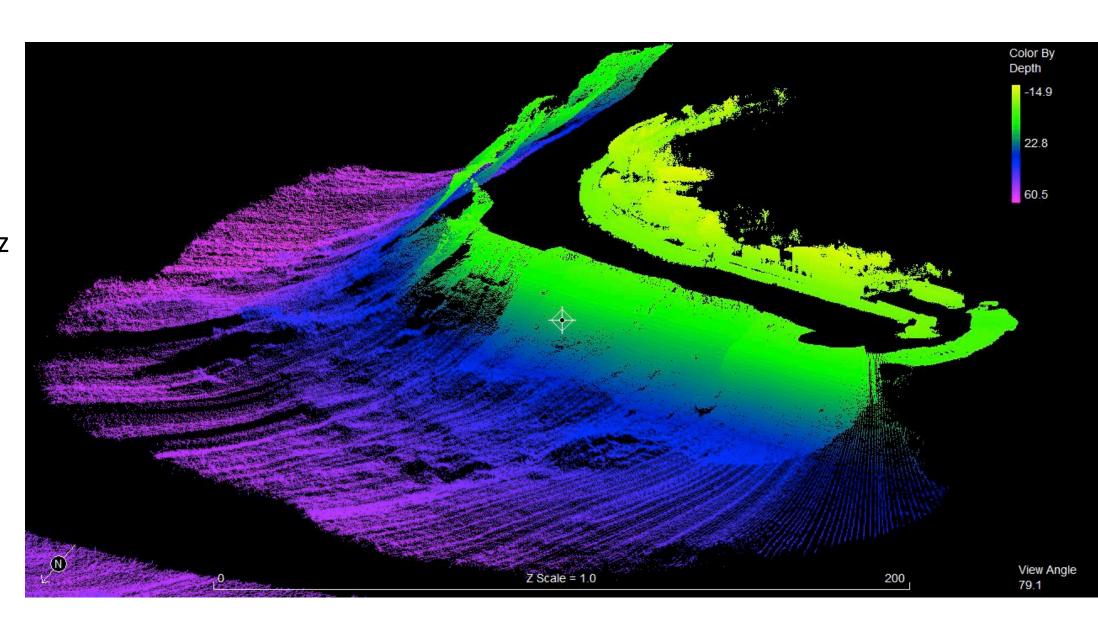






Frequency 400 kHz FM 80kHz BW Swath angle 160°

Vertical Exaggeration 1.00





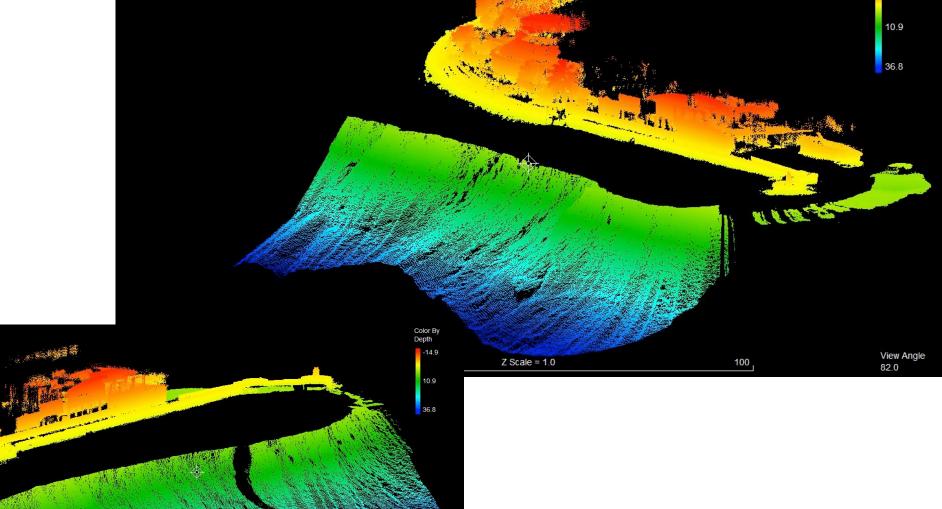




Multibeam & Laser Scan Data Head Tilted 35° HYPACK Cloud View

Frequency 400 kHz FM 80kHz BW Swath angle 120°

Vertical
Exaggeration 1.00
The collapsed
seafloor portion is
well visible





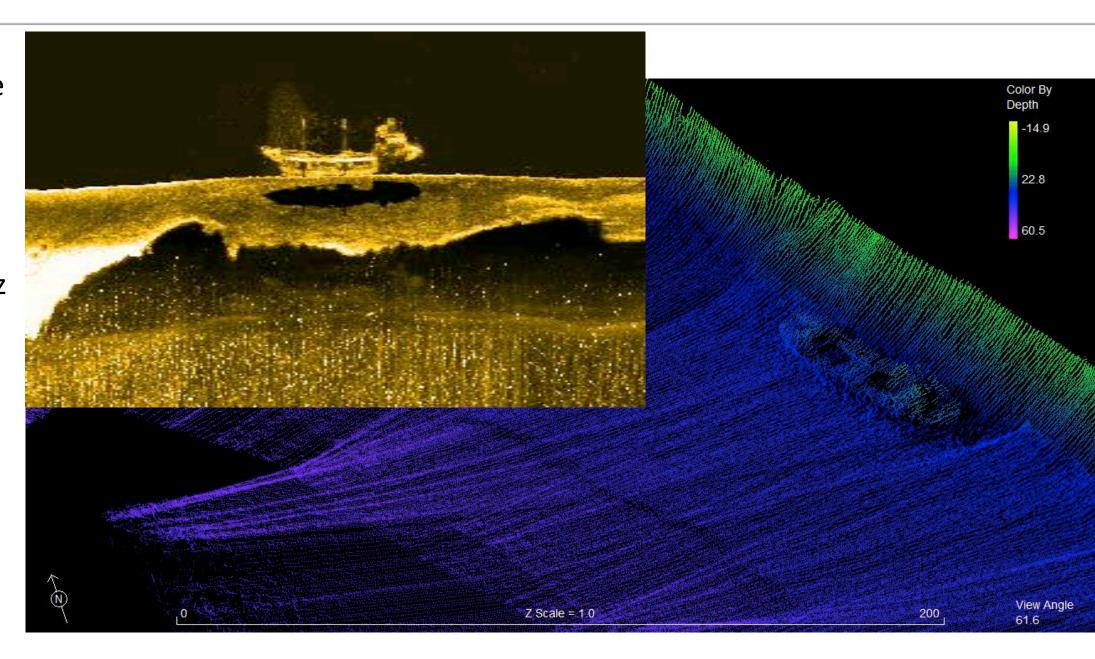


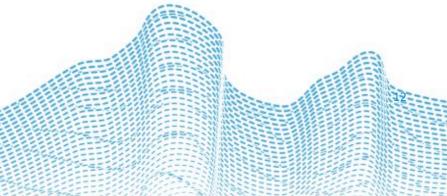


Multibeam & Side Scan Mode Data HYPACK

Frequency 400 kHz FM 80kHz BW Swath angle 160°

Vertical Exaggeration 1.00





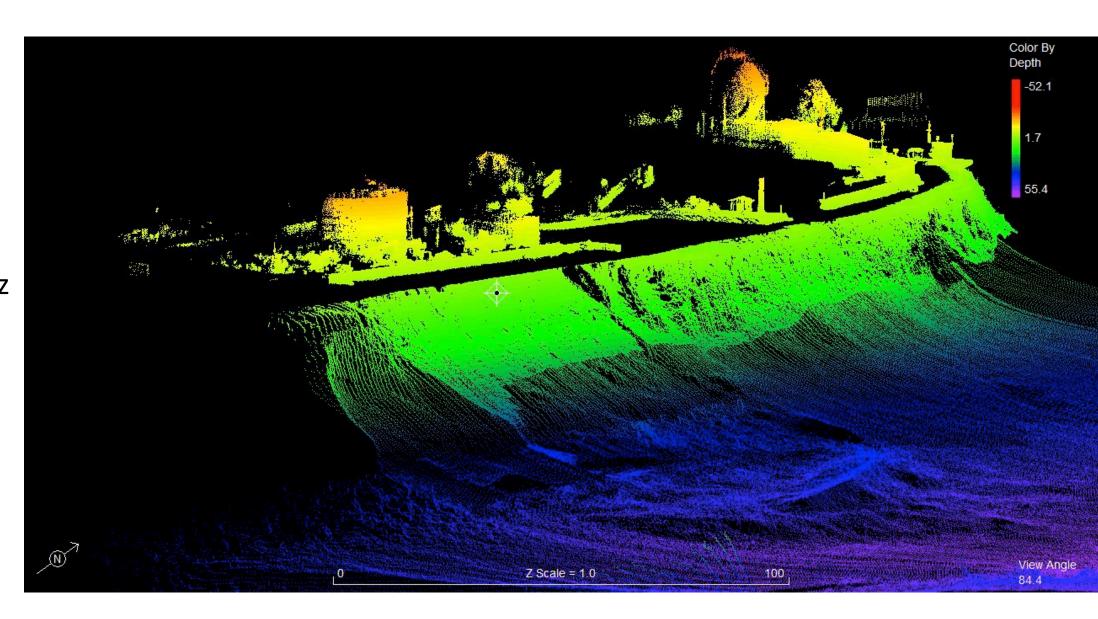


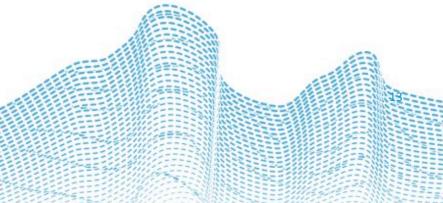




Frequency 400 kHz FM 80kHz BW Swath angle 160°

Vertical Exaggeration 1.00





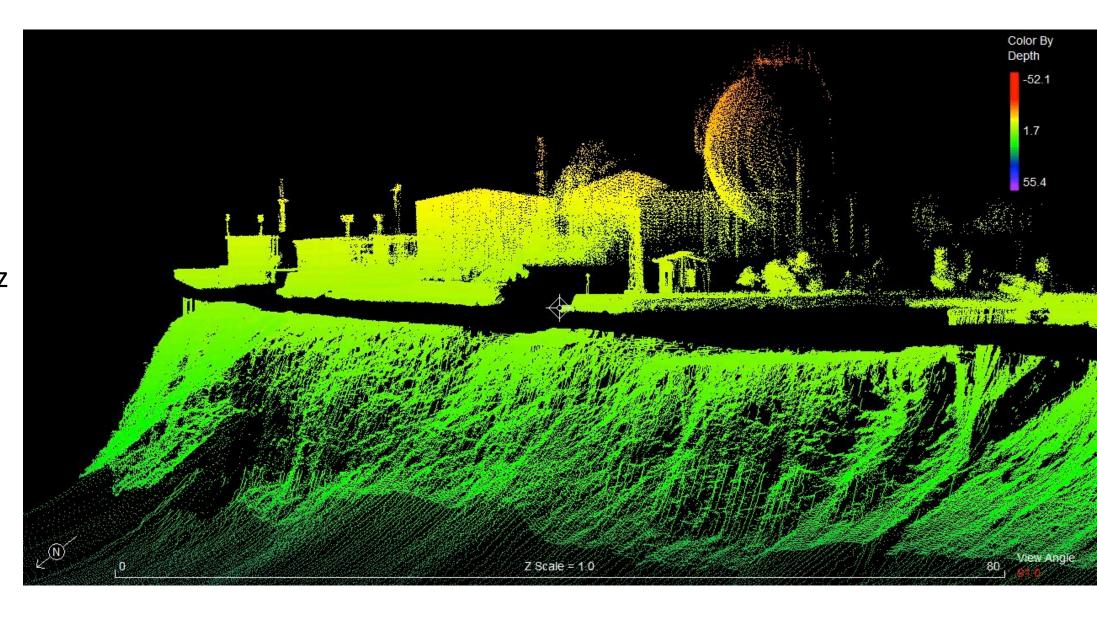




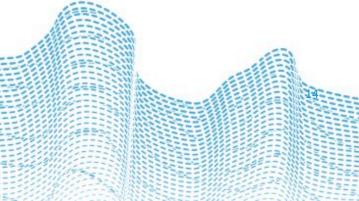


Frequency 400 kHz FM 80kHz BW Swath angle 160°

Vertical Exaggeration 1.00













Frequency 400 kHz FM 80kHz BW Swath angle 160°

Vertical Exaggeration 1.00

