



**ADVANCED
UXO SURVEY
TECHNOLOGY:
LEAVE
NOTHING
TO CHANCE**

**N-SEA EQUIPMENT
MAGSENSE**

DELIVERING SUBSEA
PEOPLE / VESSELS / EQUIPMENT

N-SEA: MAGSENSE

With N-Sea's next-generation MagSense system, you're leaving nothing to chance.

It's a solution that takes unexploded ordnance (UXO) survey technology to the next level.

MagSense delivers unprecedented accuracy, greater efficiency and enhanced safety in the detection of UXO.

It's been designed and introduced by N-Sea to collect and record high resolution data in magnetically noisy subsea environments – and in hostile conditions.

When you want to make sure nothing gets in the way of your construction schedule and budget, turn to MagSense. It makes sense.



MAGSENSE IS THE PRODUCT OF SPECIALIST EXPERTISE AND INNOVATIVE THINKING AT N-SEA.

It is a multi gradiometer with a wing-type frame that not only delivers wide seabed coverage – but meets ever more demanding client requirements in the offshore energy generation and distribution markets.

MagSense delivers higher levels of **efficiency**, performing survey work swiftly and reliably within the pre-construction phase.

MagSense achieves best-in-class **accuracy** to underpin an efficient and cost-effective identification and removal process.

MagSense meets your **safety** goals: its specially-designed launch-and-recovery system keeps manual handling to a minimum and reduces risk.

MagSense is all about **manoeuvrability** and **flexibility**, designed to reflect modern-day imperatives in offshore construction – and adapt to individual client needs.

At N-Sea, we understand your challenges and priorities.

MagSense is an innovative and technologically advanced solution capable of detecting ever smaller objects deeper below the seabed – and keeping your offshore project firmly on track.

The 3D steered multiple vertical gradiometer array features a 3.3 m wing frame with up to eight G882 Caesium Vapour magnetometers mounted in vertical pairs, spaced evenly across the wing.

How else does it enhance efficiency and accuracy?

- Heading sensor
- UBSL beacon/acoustic responder
- Altimeter (within G882 and ScanFish)
- Seabed autotracking capability
- Real time measurements
- Dual Fish increasing coverage
- Very low magnetic signature
- Horizontal and vertical stability to enhance confidence in data
- Reduced number of 'false' targets compared to traditional systems
- Improved detection range (over 8 m for 50 kg targets)

- High data acquisition speed thanks to increased detection range, high speed of average 5 knots and wide swath. The swath can be doubled by running dual MagSense systems

MagSense also introduces new flexibility and maneuverability to your operations:

- Operating depths from 5 m to 250 m with 3D steerable wing, shallower in alternative configurations
- Capable of working in strong currents thanks to steering module
- Capable of launch and recovery to 1.5 m/s
- Vertically and horizontally steerable

MagSense adds even more strength and capability to N-Sea's UXO management proposition.

It builds on our experience – and capitalises on our skills and know-how – in the detection, identification and removal of UXO.

And it reflects our core principles when it comes to service delivery: **Safe, Sound, Swift.**



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