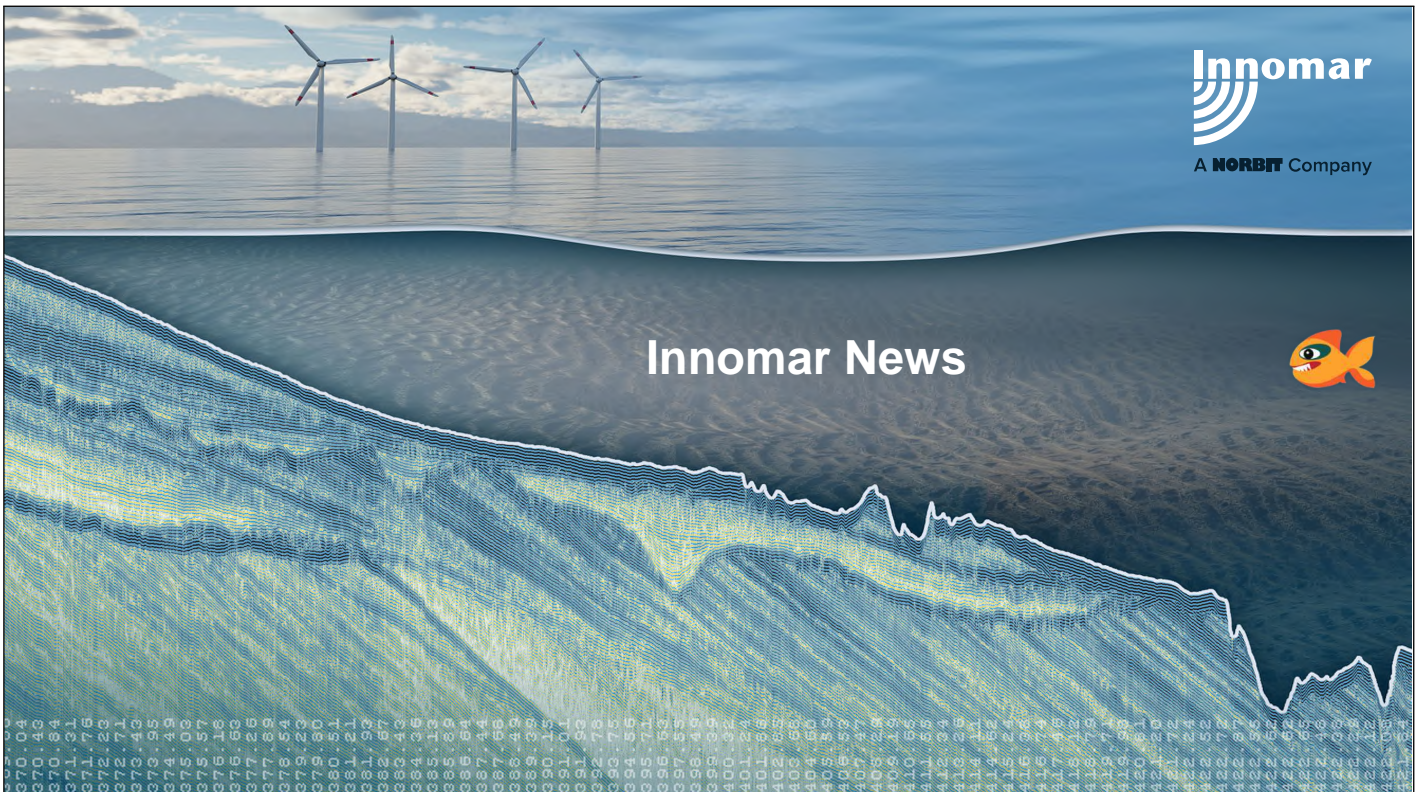


Proceedings of the 11th Workshop “Seabed Acoustics”, Presentation P03:

Innomar News

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Innomar Technologie GmbH, Germany
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5th November 2025



Innomar Parametric Sub-Bottom Profilers



A NORBIT Company

- More than 12 different SBP models in 4 product groups
- Same software package for all SBPs

Shallow Water

- when portability matters
- From less than one metre down to 500 metres



High Power

- if penetration matters
- water depths from shallow to full ocean (11,000+ m)



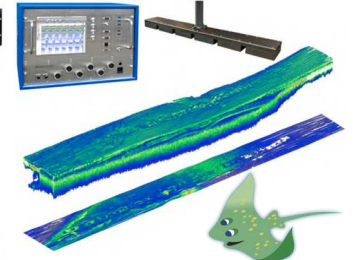
Remotely Operated

- remote / autonomous ops
- integration into all scales of USV / ASV



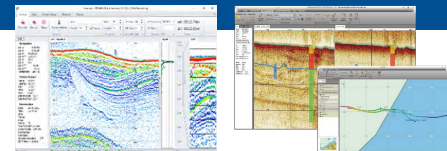
Multi-Transducer

- 3D sub-seabed data
- buried objects, e.g. cables, pipelines & boulders



Software

- Online system control & data acquisition software (SESWIN)
- Online remote screen (NetView) for QA / supervision + remote-control API
- Data converter software (SesConvert)
- Optional: Data post-processing software (ISE)



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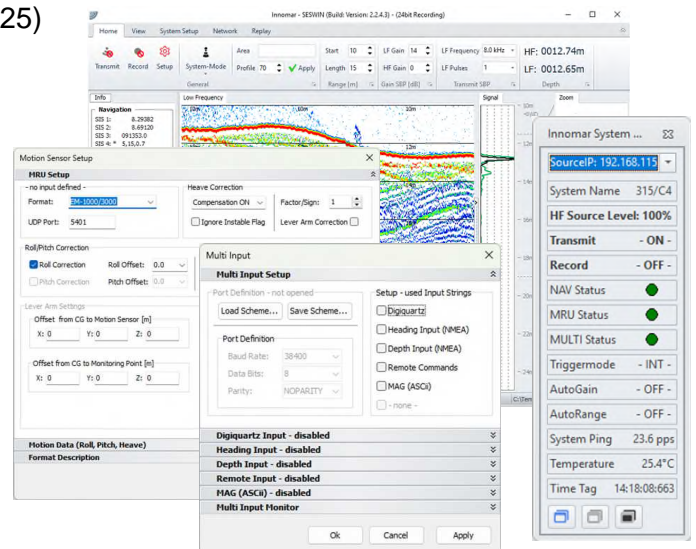
www.innomar.com

Innomar SBPs – Generation 4



A NORBIT Company

- All models based on a **new hardware generation** (2023 / 2024)
- All systems delivered with **Windows® 11** (01/2025)
- All systems record data in **SES3 file format**
- **SESWIN Improvements:**
 - motion data interface (now on PC)
 - multi-input interface (can work in parallel)
 - handling of multiple network adapters
 - GUI dark mode
- New **System Info Tool** (UDP, lists all systems)



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Innomar SBPs – New & Redesigned models



- compact-usv (2024)



- standard-usv (2024, 4U)



- medium-usv (2024, 4U)



- essential (2025)



- transducer medium-100 / medium-usv



- optional bulkhead at the transducer

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NEW: Innomar "essential" SBP



- For small boats and USV / ASV / AUV operations
- Transducer with integrated transceiver electronics
- SIU for easy interfacing (not required)
- Integrates also with NORBIT multibeam SIU (AUX)
- **Optional beam steering** in one direction ($\pm 10^\circ$ roll)
- One cable (length 1 – 25 m) for power, Ethernet, trigger
- Removable fairings for pole-mount installations



- Beam width 4° (roll) \times 8° (pitch)
- Depth rating 100 m
- Water depth range 0.5 – 150 m
- Frequencies: 100 kHz / 6 – 15 kHz
- Dimensions: c. L 15 cm \times W 26 cm \times H 10 cm
- Weight: c. 6.5 kg in air / 2.8 kg in water

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Innomar

Thanks for your attention!

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Exhibition: Innomar



essential

compact-usv

medium-usv

medium-100

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"essential" SBP + Norbit MBES on Maritime Robotics "Otter"



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