

— LAND
↓ DOWNHOLE
~ SEABED
≡ MARINE



MicrOBS

Ocean Bottom Seismometer



Ahead of the CurveSM

MicrOBS



// DEEPWATER CAPABILITY

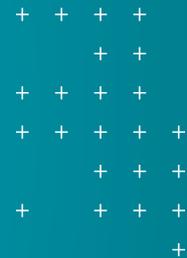
Down to 6000 m

// EASE-OF-USE

Light and compact design

// MAINTENANCE FREE

External connection for data retrieval and battery charge



MicrOBS is a new generation of autonomous deep 4C Ocean Bottom Seismometer.

Operated from any vessel, MicrOBS dives by itself to reach the sea floor to begin the seismic acquisition. Integrating a combination of 3-C low distortion geophones plus an hydrophone, it will record P-S waves up to 24 days.

At any time, by sending a specific signal from the vessel, MicrObs will release its anchor to get up to the surface. Sending a radio signal and activating a flash light, it will be retrieved easily to download its data.



Features & Benefits

Controllable release from surface

Acoustic receptor (patented technology)



Multi localization devices

Xenon Flash light Radio Signal



4-c seismic sensors

3 geophones
+ 1 hydrophone



External connectivity

Data retrieval
Battery charge
Settings



High Autonomy

Rechargeable Li-Ion battery pack



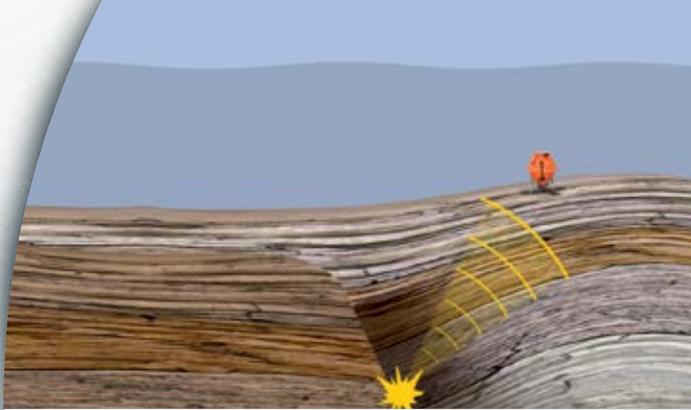
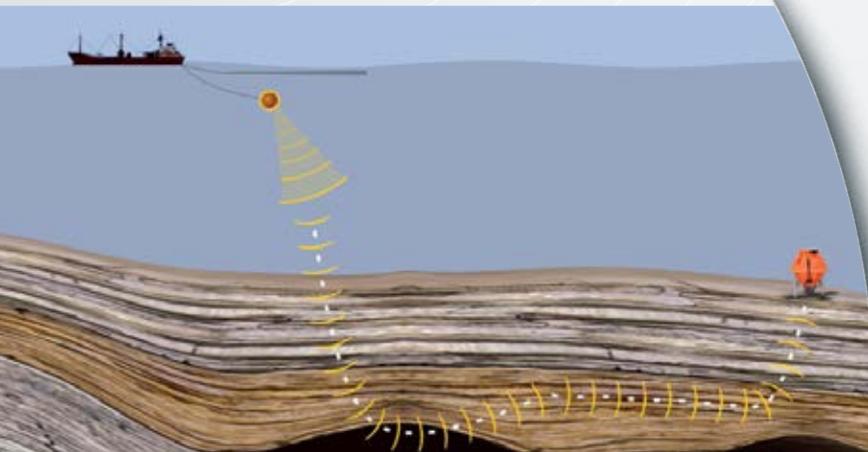
High Reliability

Mechanical release
by electrolysis



// DEEP REFRACTION SEISMIC

MicrOBS has been designed for deep water refraction seismic surveys. Using it in wide angle geometry provides excellent refractor arrivals from crustal discontinuities. With 4C multi-component recording, MicrOBS would allow accurate characterization of P & S velocities in deep crustal layers



// SEISMOLOGY

MicrOBS records and monitors earthquakes and natural seismicity to determine epicentre and associated mechanisms in active tectonic areas.

