



# GPR

SEABED NODAL SOLUTION





Precision-led nodal solutions for seabed operations



Sercel's GPR OBN node portfolio helps E&P companies and service providers who require efficient and environmentally friendly subsurface imaging solutions to obtain high-quality data for a variety of surveys ranging from shallow water to depths of up to 3500 m.

Each GPR node is fitted with QuietSeis<sup>®</sup>, an unmatched 3C MEMS sensor technology that provides accurate measurements of seismic activity. The QuietSeis MEMS sensor's unmatched digital fidelity and ultra-quiet performance represent a step change in seismic data quality.

# **HIGH-PRECISION IMAGING**

### Clear Data for Smarter Decisions

With over three decades of expertise in digital sensors, Sercel stands at the forefront of the industry.

Unlike 3C geophones, the QuietSeis 3C MEMS sensor enables direct access to builtin true verticality and excellent vector fidelity. QuietSeis can record true amplitudes and phases across the entire seismic bandwidth of interest. It also gives the industry high-fidelity datasets and helps E&P companies with the processing of the highly blended datasets that are often used in OBN operations.



### **Key Benefits**

- > High-precision imaging
  - Jitter free data
  - Digital fidelity
  - Low noise low frequency
  - Omni tilt

### > System certified data

- Integrated operations monitoring environment.
- Proven reliability

#### > Improved operational efficiency

- Flexible deployment methods including NOAR and ROV
- Compatible with hybrid steamer, sparse OBN surveys and land operations

#### Access to industry leading expertise and know-how

• Value added services and 24/7 customer support

# SYSTEM CERTIFIED DATA

### **Operation Monitoring Environment**

At the heart of Sercel's new nodal system is the DCM – Data Completion Manager, which includes a single, integrated environment from which you can monitor all operational aspects of your nodal survey. The platform collects information from receivers to produce complete SEGD files on node retrieval, immediately providing operators with all seismic data and meta-data in one place and one format. On retrieval the GPRNT nodes undergo simultaneous rapid data harvesting and recharging to ensure quick operational turnaround.

Sercel has recently launched GeoData Organizer (GDO), a new platform. This platform has been developed specifically to address the challenges of high data volumes, throughput, and high-speed data formatting and output. GDO can generate receiver domain and, if desired, shot domain data, as well as consolidate seismic data sources from other Sercel systems.

# Proven Reliability

The design of the new nodal system was undertaken using Sercel's internal quality assurance program, which has been producing industry-leading products for decades. Sercel's unrivaled reputation is backed by our desire to guarantee the delivery of the best seismic data in the industry. To achieve this, we have focused our efforts on combining the highest technological solutions with the best in-sea mechanics.

# **IMPROVED OPERATIONAL EFFICIENCY**

## Compatible with hybrid steamer, sparse OBN surveys and land operations

Forming part of Sercel's Nodal Technologies family of products, GPR nodes are fully compatible with our WiNG<sup>NT</sup> and MicrOBS<sup>NT</sup> nodes. Both land and seabed solutions can be managed simultaneously via a single DCM or GDO platform, extending nodal operations across each environment.



### ROV or NOAR Deployment Capability

GPR adapts to whatever the chosen mode of operation is. The form factor of the all-in-one node was designed for deployment either by a remotely operated underwater vehicle (ROV) or via node-ona-rope (NOAR).



## Access to industry leading expertise and know-how

We understand that each marine seismic project is unique. That's why we work closely with our clients to provide customized OBN solutions, perfectly aligned with their specific needs and objectives.

# Introducing MetaBlue

### Data-Driven Collaboration Solution for E&P marine projects

MetaBlue assists E&P companies and service providers in reducing project turnaround times by seamlessly connecting every phase of a marine seismic project. It is a game-changing solution that facilitates the involvement of all project stakeholders, leading to enhanced efficiency in offshore survey planning and management, delivery of high-quality data, and improved operational performance.

# Sercel's OBN nodal technology uses the QuietSeis cutting-edge MEMS sensor to provide unparalleled data fidelity in the harshest of offshore environments.



#### **SERCEL - FRANCE**

16 rue de Bel Air B.P. 30439 - 44474 CARQUEFOU Cedex Téléphone : (33) 2 40 30 11 81 E-mail : sales.nantes@sercel.com SAS au capital de 25 000 000 € Siège Social : 16 rue de Bel Air - 44470 CARQUEFOU 378.040.497 R.C.S. Nantes Code APE 2651B

### SERCEL INC. - U.S.A.

17200 Park Row Houston, Texas 77084 Telephone : (1) 281 492 6688 E-mail : sales.houston@sercel.com

#### www.sercel.com

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