SeaPro Nav

Marine Seismic Integrated Navigation System
Today’s major challenges for marine seismic acquisition include increasingly accurate positioning for enhanced productivity from 2D to WAZ surveys and improved repeatability of 4D surveys.

Sercel offers a unique combination of considerable experience in navigation-based technologies and an unrivalled position in seismic acquisition to deliver a high-performance navigation platform for the latest and future marine seismic techniques.

SeaPro Nav Suite which includes SeaPro Design, SeaPro Nav, SeaPro Bin and SeaPro Resolve, offers a powerful integrated portfolio from planning to data QC and processing.

Thanks to SeaPro Nav’s architecture, the client has secure access to navigation and binning data in real time, from anywhere, at any time.
Sercel offers a complete navigation software portfolio for continuous data workflow.

**SURVEY DATA**

**SURVEY DESIGN**

**INTEGRATED NAVIGATION SYSTEM**

**COVERAGE ANALYSIS & LINE OPTIMIZATION**

**DATA PROCESSING**

**SURVEY POSITIONING DATA**

- **SeaPro Design**
  Survey pre-plot generation

- **SeaPro Nav**
  Real time positioning, data processing & management

- **SeaPro Bin**
  Real time & offline binning attribute analysis

- **SeaPro Resolve**
  Data processing, QC & analysis for towed streamer
SeaPro Design is a versatile tool for generating pre-plots for 2D, 3D and advanced marine seismic surveys. It contains all the functionality required to quickly define any survey from simple rectangle to complex geometry.

Full detailed report as well as preplot lines and survey definition export in industry standard formats are available (P1/90, P6/98; P1/11, P6/11; GIS Formats).

**FEATURES**

- 2D, 3D and WAZ pre-plot generation
- Quick, easy definition and review
- New OGP format support
- Synergy with SeaPro Nav and SeaPro Bin

**IMPROVED QUALITY**
- Full detailed report generation

**ENHANCED PRODUCTIVITY**
- Full compatibility with SeaPro Nav Suite

**ADVANCED FLEXIBILITY**
- Adaptable to any configuration including advanced techniques
SeaPro Nav
INTEGRATED NAVIGATION SOFTWARE

// IMPROVED SAFETY
Sophisticated alarms based on GIS technologies

// ENHANCED PRODUCTIVITY
Seamless integration with Sercel products

// ADVANCED FLEXIBILITY
Architecture allowing fast adoption of new seismic techniques

SeaPro Nav is a real-time positioning solution for all marine towed-streamer seismic surveys including multi-vessel capability for undershooting and wide-azimuth techniques.

With a client/server architecture, complex real-time data can be easily accessed from anywhere for data quality and decisions made by experts either onboard or at the office.

FEATURES
• Friendly GIS and intuitive user interface
• Innovative technologies
• Flexible and reliable multi vessel architecture
• Simultaneous/HD shooting support
• Synergy with Sercel Seal 428, Nautilus and QuietSea
SeaPro Bin is a binning tool that manages 3D and WAZ marine seismic surveys for different users in a professional environment. SeaPro Bin provides flexible tools to interactively manage the seismic surveys from 3D through to WAZ.

**FEATURES**

- GIS view of coverage and seismic attributes
- Powerful and scalable to target large surveys
- Offline and Real-time versions
- Synergy with SeaPro Nav for Real-time operations

**// IMPROVED QUALITY**
Rapid shore-based data verification

**// ENHANCED PRODUCTIVITY**
In-fill minimization

**// ADVANCED FLEXIBILITY**
Advanced seismic survey binning in real time
SeaPro Resolve
NAVIGATION DATA PROCESSING

// IMPROVED QUALITY
Automatic qualification of network positioning

// ENHANCED PRODUCTIVITY
Automatic processing and transfer of deliverable outputs (P1s)

// ADVANCED FLEXIBILITY
2D to WAZ, fully braced advanced processing

Sea Pro Resolve is a data processing suite for marine towed-streamer seismic surveys. Using a workspace control system, the user can import, process and analyze data to produce deliverable processed positions along with reporting.

FEATURES
- Automatic P1 processing
- Advanced algorithms for all progressive acquisition
- Extensive reporting
- Synergy with SeaPro Nav