

# 3D/4D Acquisition Optimization Services

## CUSTOMIZED SERVICES FOR OPTIMIZING MARINE SEISMIC OPERATIONS

- World-class team of survey design and operations experts
- Comprehensive analysis at each stage of a survey's life cycle
- Optimized acquisition efficiency
- Expert software and development team

### SURVEY DESIGN AND PLANNING

- Analysis of historical currents and simulation of acquisition scenarios to help evaluate various line headings and configuration scenarios.
- In-depth analysis ensures most efficient strategy is used, facilitating cost-effective safe operations to the required technical standard.

### ACQUISITION PLANNING AND QC

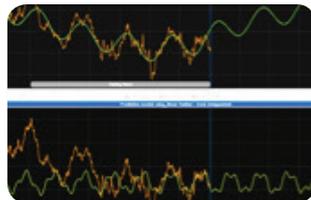
- ION Acquisition Specialists have experience in infield optimization on 2D, 3D and 4D projects, enabled by the utilization of ION's comprehensive software suite.
- Enhanced current predictions are utilized along with ION's Feather Aperture planning, allowing a range of acquisition options for 3D and 4D operations.

### SIMOPS MANAGEMENT

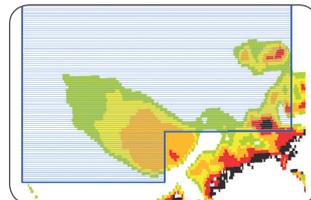
- Comprehensive management of simultaneous operations (SIMOPS) utilizing Marlin™, ION's custom-built Situational Awareness and SIMOPS management solution, is used to ensure minimal disruption to concurrent activities.



Reduced HSE risk in complex SIMOPS situations



Full analysis of observed infield current components



Shallow water analysis at various tide states

ION has been delivering innovative solutions to the energy industry for over 50 years, and is the leading provider of real-time, multi-vessel positioning and control systems.

For further information contact [csl-sales@iongeo.com](mailto:csl-sales@iongeo.com)

### KEY FEATURES

- Unique expertise
- Survey optimization
- Feather prediction
- Coverage analysis
- Repeatability assessment
- Obstruction modelling
- Undershoot planning
- Line prioritization

### APPLICATIONS

- 3D, 4D & WATS
- Multi-vessel
- SIMOPS
- Shallow water
- Survey design
- Viability studies
- Reduce HSE risk

### PRODUCTS

- Orca® Optimization
- Marlin
- MESA® / Illumination

### About ION

ION is a technology leader with a strong history of innovation. Leveraging innovative technologies, ION creates value through data capture, analysis and optimization to enhance companies' critical decision-making abilities and returns. Our offerings are focused on improving E&P decision-making, enhancing reservoir management and optimizing offshore operations.