

## System Capabilities:

- State of the art P-Cable 3D Seismic System manufactured by Geometrics Inc.
  - The smallest diameter solid streamer available, the GeoEel Solid™
  - Fast deployment (1-2 hrs) from most types of research and industry vessels
  - Onboard QC processing and brute stack data with PC based processing software
  - Configuration target- and vessel-dependent
- Typical parameters:
- 25 - 250 km<sup>2</sup> survey areas
  - 10 to > 3000 m water depth
  - 6 m spatial resolutions
  - ≥1.5 m vertical resolutions (250 Hz)
- Production rates:
- Up to 8 km<sup>2</sup>/day
  - Multiple targets/cubes during one survey

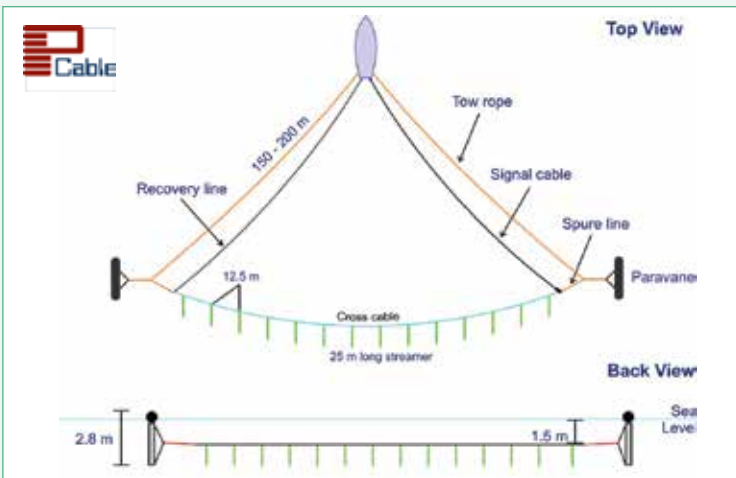


The versatile P-Cable™ 3D Seismic System benefits operations in mature as well as frontier regions. Providing proven Hi-Res 3D data for exploration and field development.

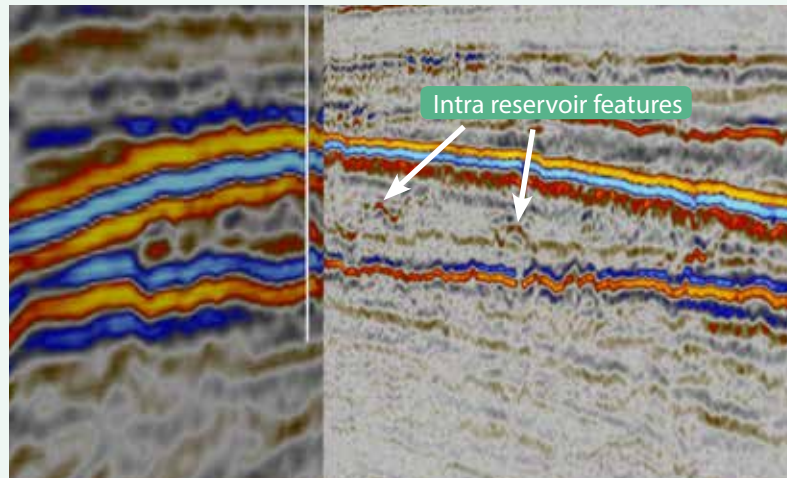
Through our partners we also provide post-processing services with de-multiple removal for selected targets.

## Use the Hi-Res3D seismic system efficiently for:

- Utilise in deep water petroleum exploration
- Increase drilling and platform safety
- Decrease drilling and construction costs due to better knowledge of the sub-seabed geology
- Conduct time-lapse (4D) monitoring of fluid migration or sub-seabed deformation.



The patented P-Cable concept: a seismic cable towed perpendicular to the vessel's steaming direction, with an array of seismic streamers attached to a wire held in place by two paravanes



Comparison of P-Cable Hi-Res 3D and conventional industry 3D data, highlighting intra reservoir features. Data by Statoil.

## Typical Specifications:

### Survey Parameters:

Deployment / recovery	1-2 hours
Survey speed	4.5 kn
Turn time	20-50 min
Number of streamers	14
In-line distance	12 m (6 m CMP)
CMP swat width	64 m

### Recording Parameters:

Streamer depth	1-3 m
Active section	25 m
No. of hydrophones	32
Sampling rate	2-4 KHz
Record length	3 x SF

### Source Information:

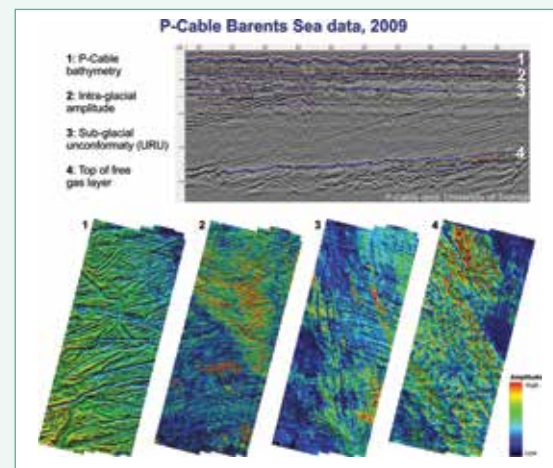
GI guns	2-6 gun array
Depth	2-4 m
Frequency range	50-350 Hz

### Navigation:

GPS with 3 receivers (2 on doors, 1 on gun)	
+ 3 GPS on ship	
DGPS (accuracy)	1-3 m
RGPS (relative accuracy)	0.15 m

### Processing Sequence:

P-Cable navigation and geometry, NMO, binning, stacking and 3D migration (frequencies up to 250 Hz)



### Partner Companies

