Hi-Res Services
Intelligent and versatile

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 km² survey areas
- 10 to > 3000 m water depth
- 6 m spatial resolutions
- ≥1.5 m vertical resolutions (250 Hz)
- Production rates:
  - Up to 8 km²/day
  - Multiple targets/cubes during one survey

Production rates:

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-multipule 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.

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:

- Gun types: 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
- RGP (relative accuracy): 0.15 m

Processing Sequence:

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

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