

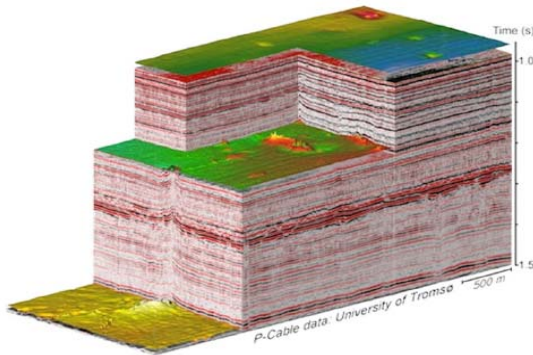
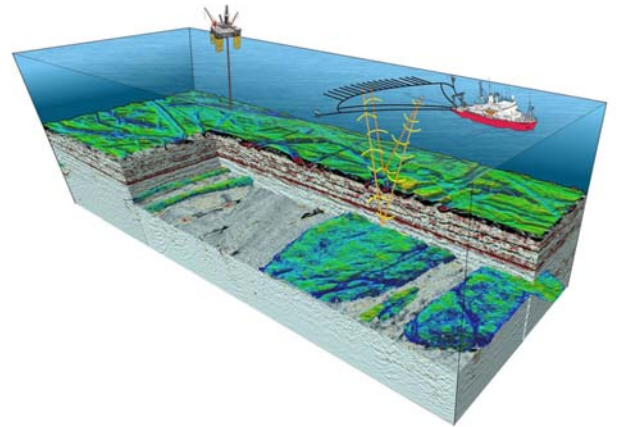


# HR3D SEISMIC STREAMER SYSTEM

## The New P-Cable System

Ultra-high-resolution 3D surveying is now available for detailed mapping of sub seafloor targets. The P-Cable is the ultimate tool for mapping features not possible with conventional 3D methods and at a fraction of the cost and manpower.

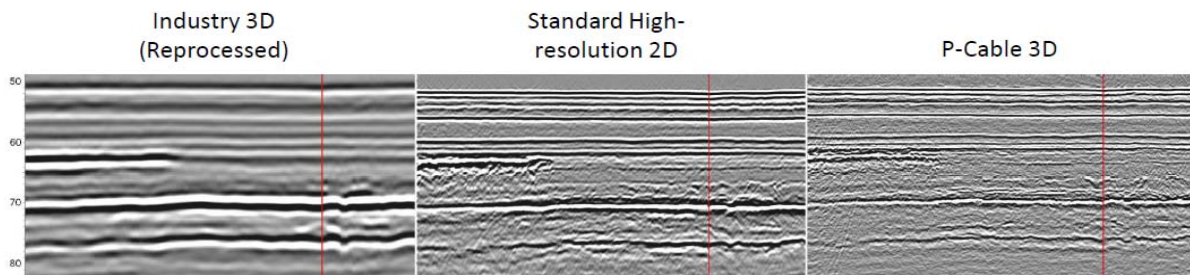
The revolutionary P-Cable system provides unparalleled data quality and resolution far exceeding conventional 3D and comparable or better resolution than high-resolution 2D, but with the added benefit of 3D structural control. Consisting of 6 to 24 streamers of up to 64 channels, it is designed to be operated from most industry and research vessels of 30m or more. As few as five dedicated crew members can deploy and recover the entire system in about 1 hour, depending on array size.



### Major Areas of Application

- Shallow hazard investigations (wind farms, oil fields, construction sites)
- Gas hydrate exploration
- 3D and 4D fluid migration monitoring
- Geotechnical and fault investigations
- Deep water exploration

### Why P-Cable?

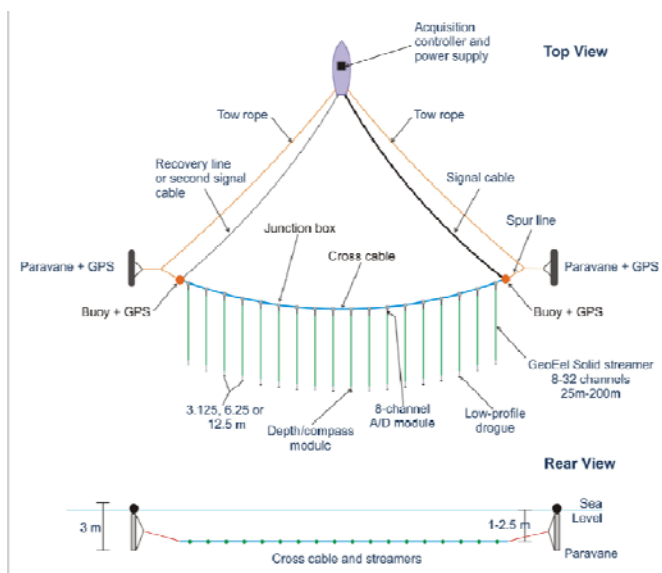
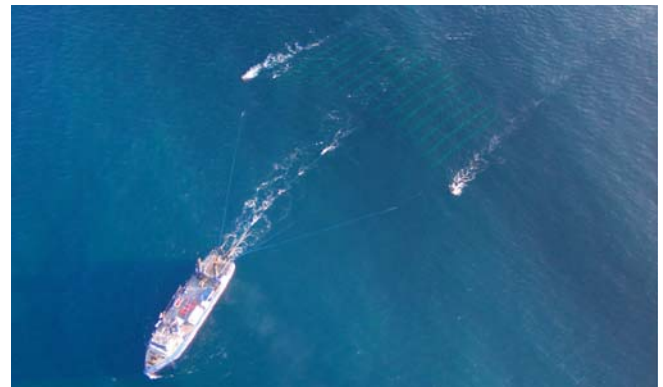




R/V Helmer Hanssen, Tromsø University

## General Specifications:

- Active sections: GeoEel Solid\*
- Number of streamers: up to 24
- Streamer length: 25 – 200m
- Channels per streamer: 8 – 64
- Streamer separation: 3.125, 6.25, or 12.5m
- A/D conversion: GeoEel 24-bit A/D module
- Data recording: PC-based CNT-2 marine controller
- Navigation and positioning: NavPoint Trawler by NCS Subsea, Inc.
- Streamer system handling: 5-6 dedicated crew



## Key Benefits:

- Small and light; 5-ton bollard pull\*: Deployable from small vessels of opportunity
- Simple; minimal in-water assets: Highly robust, easily and rapidly deployed with minimal crew
- True 3D coverage, full 3D migration: Better resolution of more complicated geometries
- Bin size as small as 3.125m: Higher resolution than previously possible
- Array width up to 300m: Rapid production, up to 25 km<sup>2</sup>/day at 5 knots (6.125m bins)
- Allows overlap between sail lines: Minimal infill required
- Based on true solid streamer technology: No cable-borne noise; environmentally friendly
- Convertible to full-featured 2D system: Allows large-offset 2D survey for velocity determination if necessary

\* For typical 190m wide array with 25m sections



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