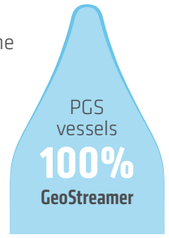
Acquisition **Solutions**

Ramform + GeoStreamer = Efficiency + Quality

The unique combination of GeoStreamer® technology and Ramform® vessels delivers a premium imaging product to locate and derisk your prospect.

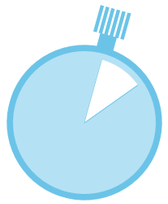
Better Image Quality

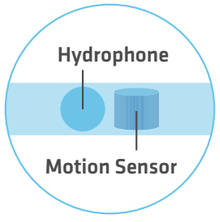
Dual-sensors combined with towing the streamers deep, 3D spread control, source steering, continuous recording and the ability to tow dense streamer spreads, all contribute to subsurface images of greater clarity, accuracy and reliability.



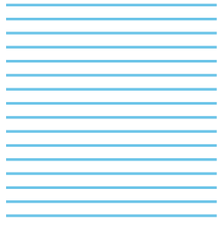
Reduced Survey Time

Faster turnaround time means less exposure to weather and faster access to data. We minimize the time it takes to complete a survey using 3D spread control, source steering, continuous recording, flexible tow depth and barnacle mitigation.

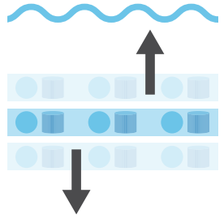




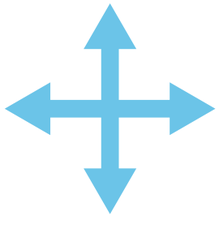
Dual Sensors
- Wavefield separation
- Better signal, less noise
- Tow depth independent
- True broadband



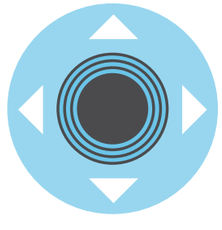
Dense Spreads
- Better receiver sampling
- Increased 3D/**4D** resolution
- Improved **4D** repeatability



Flexible Tow Depth
- Less weather impact
- Minimum drag, maximum efficiency
- Survey compatibility
- Increased **4D** resolution



3D SpreadControl
- Infill management
- Efficient deployment & recovery
- Improved **4D** repeatability

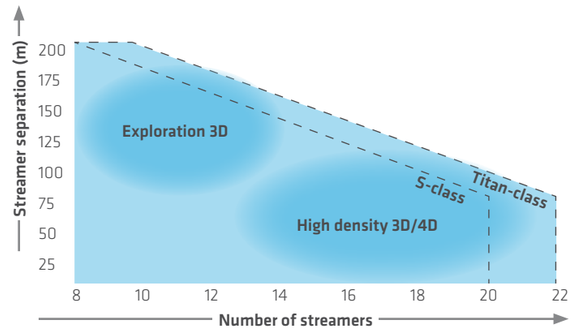


Source Steering
- Infill management
- Efficient deployment & recovery
- Improved **4D** repeatability

Continous Recording
- Improved source sampling
- Increased vessel speed
- Flexible record length

Survey Versatility

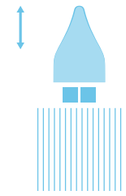
Our fleet is capable of covering all the bases from highly efficient exploration surveys to detailed 4D production seismic.



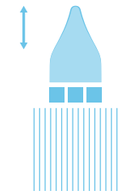
Define Challenge and Select Technology

Tailored acquisition geometries make it easier to solve imaging challenges. Subsurface complexity and geophysical objectives determine the acquisition and imaging solutions to produce the best quality images in the most effective way.

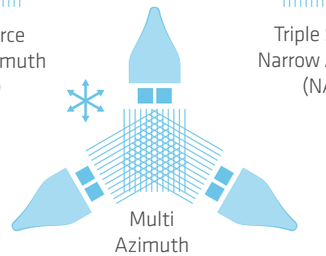
Single Vessel Survey:



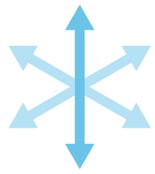
Dual source
Narrow Azimuth
(NAZ)



Triple Source
Narrow Azimuth
(NAZ)



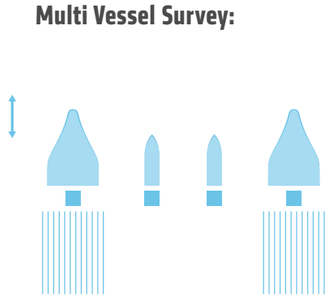
Multi
Azimuth
(MAZ)



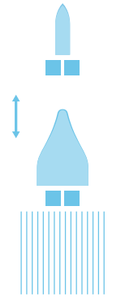
Coverage Options

From single sail line to the ultimate full azimuth coverage. Target illumination increases with each additional pass and direction.

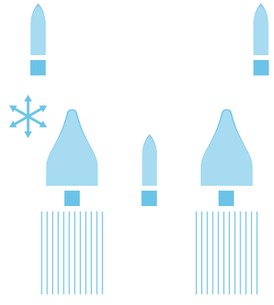
Multi Vessel Survey:



Wide
Azimuth
(WAZ/WATS)



Simultaneous
Long Offset
(SLO)



Full Azimuth
(FAZ)
FAZ=WAZ+MAZ+SLO

Leading the Industry

PGS

April 2018