# **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

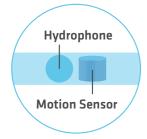
Dual-sensors combined with towing the streamers deep, 3D spread control, source steering, continuous recording and the ability to tow dense streamer spreads, all contribute to subsurface images of greater clarity, accuracy and reliability.



## Reduced Survey Time

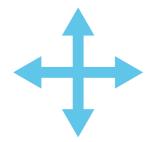
Faster turnaround time means less exposure to weather and faster access to data. We minimize the time it takes to complete a survey using 3D spread control. source steering, continuous recording, flexible tow depth and barnacle mitigation.





#### **Dual Sensors**

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



#### 3D SpreadControl

- · Infill management
- Efficient deployment & recovery
- Improved 4D repeatability



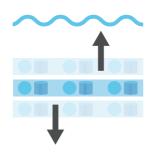
#### **Dense Spreads**

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



#### **Source Steering**

- Infill management
- Efficient deployment & recovery
- Improved 4D repeatability



#### **Flexible Tow Depth**

- Less weather impact
- · Minimum drag, maximum efficiency
- Survey compatibility
- Increased 4D resolution

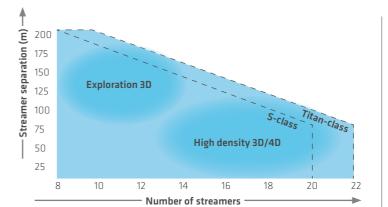


#### **Continous Recording**

- 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

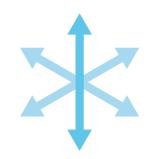


# **Define Challenge and Select Technology**

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.

## **Coverage Options**

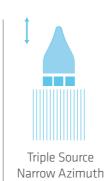
From single sail line to the ultimate full azimuth coverage. Target illumination increases with each additional pass and direction.



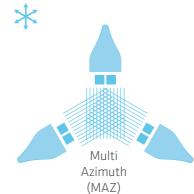
#### **Single Vessel Survey:**

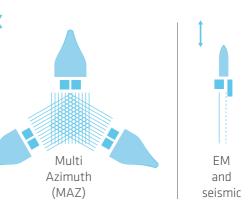




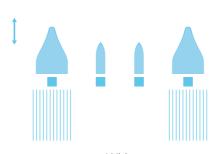


(NAZ)

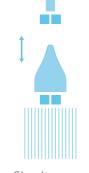




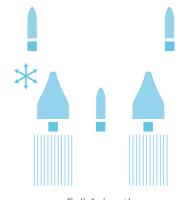
#### **Multi Vessel Survey:**



Wide Azimuth (WAZ/WATS)



Simultaneous Long Offset (SLO)



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

# **Leading the Industry**

















March 2017