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The Company and its subsidiaries have implemented the new revenue recognition standard, IFRS 15, as the Company’s external financing reporting method. This change impacts the timing of revenue recognition for MultiClient pre-funding revenues and related amortization. PGS will for internal management purposes continue to use the revenue recognition principles applied in previous periods, which are based on percentage of completion, and use this for numbers disclosed as Segment Reporting. See Note 15 of the Q1 2018 earnings release for definitions of terms. See Note 16 of the Q1 2018 earnings release for a description of the change in revenue recognition resulting from the implementation of IFRS 15. PGS will not restate prior periods.

THIS PRESENTATION DOES NOT CONSTITUTE OR FORM PART OF ANY OFFER FOR SALE OR SOLICITATION OF ANY OFFER TO BUY ANY SECURITIES.
Agenda

• PGS in Brief
• Market Overview
• Company Highlights
• Financial Review
• Q&A
PGS in Brief
PGS in Brief
A Leading and Fully Integrated Marine Seismic Player

Market Share*: ~35%
Strong market position

MultiClient 3D Library:
790,000 km²
Large and geographically diverse library

Active Vessels***:
8
Modern, flexible and productive fleet

GeoStreamers Since:
2007
Differentiating technology platform

A Global Marine Geophysical Company

Founded in 1991

Revenues**: USD 885.3m
EBITDA**: USD 436.3m
Market Cap**: USD 1,741m
Employees**: 1,298

* Based on number of active streamers.
** Revenues and EBITDA are in USD and are based on the LTM as of Q1 2018. Market capitalization as of May 17, 2018 and USDNOK rate of 8.110; number of employees as of March 31, 2018.
*** Operates 8 active vessels during the summer season and plan to operate 6 during the winter season.
PGS in Brief

The World of PGS

Countries: 13

Major offices: 3

Diversified Revenue Streams*

by business
- Marine Contract: 29%
- MultiClient Pre-funding: 11%
- MultiClient late sales: 11%
- Imaging: 16%
- Other: 17%
- Diversified: 36%

by geography
- Europe: 28%
- Africa: 6%
- Asia Pacific: 11%
- Canada: 11%
- Brazil: 11%
- Other: 5%
- Americas (ex. Brazil and Canada): 17%

Diversified MultiClient Library in major offshore hydrocarbon basins

* As of year-end 2017.
**PGS in Brief**

**Strategic Focus – Marine Seismic Market Leadership**

- Market is trending towards more MC and 4D
- Improved imaging of subsurface will be increasingly important for customers
- Premium data and service quality key as “easy oil” has been found
- Cost focus will always be important, our fleet provides efficiency benefits and superior technology

## A full service offering is the best way to take benefit of the market going forward

<table>
<thead>
<tr>
<th>Business Model Flexibility</th>
<th>Meet Client Needs</th>
<th>Continued Technology Development</th>
<th>Value Chain</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Focusing on client needs</td>
<td>• Meet needs on all aspects of marine seismic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>– Flexible offering of MC and contract services or a combination</td>
<td>– 2D, 3D, 4D, reprocessing, processing, timing, survey design etc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>– Tailored survey design and imaging</td>
<td>• Capacity for continued technology development to improve subsurface understanding</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Production seismic requires high resolution</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Control all aspects of seismic value chain and offering</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Full Service Offering

Acquisition - MultiClient - Imaging Solutions - Interpretation - R&D
Market Overview
Market Overview

Energy Demand will Increase – Fossil Fuels Remain the Dominant Energy Source

- Energy demand will continue to grow owing to increased world GDP
  - Driven by emerging markets
  - Projected 1.2% annual growth 2020-2040

- Renewables are the fastest growing energy source, but fossil fuels remain the dominant source of global energy supplies

- Decline rates from producing field is significant and increased shale production is in the Company’s view not enough to compensate
  - Offshore exploration and production has to increase

Market Overview

At the Same Time, Discovery of Fossil Fuels Continues to Decline

- Discoveries of 7.8 billion boe in 2017 (versus 30 billion boe in 2012)
  - The 2017-level is the lowest level seen since 1947
- Exploration spending and drilling have been significantly reduced
- Oil discovery levels are in the Company’s view unsustainable to meet future demand

Graph source: Rystad UCube data as of May 2018.
Integrated Oil Companies are Cash Flow Positive and Improving

- Integrated oil companies became cash flow positive after capex and dividend in 2017

- With oil price above USD 50 per barrel they are generating significant cash flow
  - Brent Blend currently trading between USD70-80 per barrel

- Integrated oil companies are well positioned to increase spending

Graph source: Carnegie. The integrated companies included are ExxonMobil, RD Shell, BP, Chevron, Total, ENI, ConocoPhillips, Repsol and Statoil.
Seismic – Historically Early Cycle Indicator

- Seismic spending increased by 9% in 2017 compared to 2016, while offshore spending declined by 8%

- Historically seismic has been an early cycle indicator

* Seismic spending are actual revenues from PGS, CGG, WesternGeco, Polarcus, Spectrum and TGS.
** According to IHS.
Market Overview

Marine Seismic Supply Outlook

- Company estimates that average streamer capacity in 2018 is close to 50% lower than average streamer capacity in 2013
  - All major seismic vessel operators have reduced capacity through retiring and cold-stacking vessels
  - Schlumberger’s planned exit from the seismic acquisition market may reduce supply further in the short term

Lower supply should benefit market balance in 2018

Source: PGS internal estimates, April 2018.
Market Overview

Summary

• Higher oil price, improved cash flow among oil companies and unsustainable reserve replacement ratios are expected to benefit marine 3D seismic market fundamentals going forward

• Continued strong MultiClient sales in Q1 indicates an improving market sentiment in 2018

• Continued risk related to timing and strength of recovery in the contract market

• PGS plans for a flat market

• A centralized, simplified and streamlined PGS is well positioned to achieve positive cash flow in 2018

PGS is uniquely positioned to capitalize on future market opportunities
Company Highlights

1. Market Leading Seismic Services Provider with World-Class Fleet

2. Technological Leadership

3. Leading MultiClient Business Reducing Financial Volatility

4. Industry Leading Performance

5. Proactive Management Focused on Cash Flows
A market leader with market share of ~35% in 2018

The only fleet fully equipped with the latest technologies
  - Multicomponent streamers
  - Source steering
  - Streamer steering
  - 12+ steamer count

Operates an active fleet of eight 3D vessels, of which two are used selectively
  - Address seasonal demand swings
  - On average, active vessel capacity in 2018 will be newer and more efficient than 2017

Source: PGS internal estimates, April 2018.
PGS Active Fleet Is the Youngest

A world class fleet:
Average active vessel age of 5 years (Dec. 2017) and average streamer count 14.5

• Ramform Titan-class and Ramform S-class vessels are:
  – Superior for large exploration surveys
  – Superior for any survey with high streamer count
  – Competitive on all 4D surveys and conventional 3D surveys

• The conventional vessels in the PGS fleet are competitive for both exploration 3D and 4D

• Lowest average age of active fleet in the industry

Source: Company information, April 2018.
GeoStreamer and Enhanced Imaging Capabilities

**GeoStreamer**
- The full deghosting solution

**Reliable Quantitative Interpretation (QI) and rock properties**

**Enhanced illumination and clearer subsurface image**
- GeoStreamer enabled access to complete wavefield (Full Wavefield Migration/FWM)

**Increased efficiency and improved illumination**
- Innovative survey designs based on intelligent towing solutions & SWIM

**GeoStreamer – PGS Business and Technology Platform**
- Enhanced resolution, better depth imaging and improved operational efficiency
- Enables the best sub-surface image for reservoir understanding and well placement
Robust MultiClient Operations

• 2017 MultiClient cash investments of USD 213.4 million with a pre-funding level of 140%

• Pre-funding (*) has historically tended to be in the high end or above the targeted 80-120% range due to incremental sales in the processing phase

* Calculated by dividing the MultiClient pre-funding revenues by the cash investment in MultiClient library.

** Peer Group – WG, TGS (consensus), CGG (consensus), PGS.
• Good geographical spread in new MultiClient activities during 2017

• 68,000 km2 of MC3D added to library during 2017

• Some key reprocessing projects ongoing in Brazil, Egypt and Europe

• 21,000 km of MC2D added to library during 2017 (Canada)
Industry Leading MultiClient Performance

• The highest sales to investment ratio
  – Both measured on capitalized cash investments and full capitalized costs

• Conclusion: Stable, strong performance for the PGS MultiClient library

* PGS estimates, limited to three largest peers. Reported / consensus revenues and MC investments. No consistent industry definition of MultiClient (cash) investments. Revenues / cash investments: Can not be compared in absolute terms - relative variations from year to year for each player.
** PGS estimates, limited to three largest peers. Cost capitalized to library less interest. Revenues / full capitalized cost: Can be compared in absolute terms.
• PGS will have eight 3D vessels (“the active fleet”) fully equipped at all times, but during the low season we plan only to run six of these vessels

• The cost base of the fleet is adjusted to six vessels as contract/part time crew will be used for the additional two vessels, providing a flexible element to the base cost

• Six cold-stacked vessels position PGS well to take advantage of the next up cycle
Maintaining Industry Leading Performance

PGS “Best in Class” fleet performance ensures consistent operating strength at every point in the cycle.

Sharp focus on planning and risk mitigation
Continuous effort to reduce unproductive time

Source: Company information, April 2018.
• PGS is continuously looking for measures to pro-actively manage debt maturities and maintain tight control on costs
• Track record of successful balance sheet and cashflow management in a challenging market backdrop

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 2015</td>
<td>Sale and lease back agreement for PGS Apollo ~ USD 80m raised</td>
</tr>
<tr>
<td>November 2016</td>
<td>RCF extended to 2020 and resized to match liquidity needs</td>
</tr>
<tr>
<td>December 2016</td>
<td>USD 450m 2018 Notes tender / exchange into USD 212m new 2020 Notes with USD 26m left outstanding</td>
</tr>
<tr>
<td>November 2015</td>
<td>Equity raise – USD 104m to support balance sheet</td>
</tr>
<tr>
<td>December 2016</td>
<td>Equity raise – USD 225m to partial repay HYB and reduce leverage</td>
</tr>
<tr>
<td>January 2017</td>
<td>Rights offering – USD 35m linked to December equity raise</td>
</tr>
<tr>
<td>September 2017</td>
<td>Reorganisation / cost management initiatives to achieve targeted USD100m cash cost reduction Estimated 2018 cash costs of USD ~ 600m vs USD 1.1bn in 2014</td>
</tr>
</tbody>
</table>

Steps taken resulted in improved balance sheet flexibility and increased long term financial visibility
A Focus on Cashflows

- Assuming flat revenues in 2018 vs 2017 PGS will generate positive cash flow after debt repayment
- 2018 debt repayments include USD 51 million of amortizing loans and USD 26 million final maturity of the 2018 Senior Note

* Overview from PGS Capital Markets Day based on prior guiding on cost
Financial Review
Q1 2018: A Good Start for Achieving Positive 2018 Cash Flow

- Segment Revenues of USD 197.8 million, ahead of plan
  - Segment EBITDA USD 92.3 million

- Strong Segment MultiClient performance:
  - Total MultiClient revenues of USD 142.0 million
  - Strong late sales of USD 83.5 million
  - Sales-to-investment of 2.6 times
  - Pre-funding level of 109%

- Marine contract market still challenging with a weak winter season

- Total Leverage Ratio below 3.0:1

- First quarter operating under the new organizational structure

- 2018 gross cash cost estimate adjusted upwards to reflect higher activity, FX changes and higher fuel prices
Financial Review
Q1 2018 Operational Highlights

- Total Segment MultiClient revenues of USD 142.0 million, driven by higher MultiClient activity
  - Pre-funding revenues of USD 58.6 million
  - Pre-funding level of 109% on USD 53.7 million of MultiClient cash investment
  - Late sales revenues of USD 83.5 million

- Marine contract revenues of USD 44.5 million
Financial Review
Financial Summary

Segment Revenues

Segment EBITDA*

Segment EBIT**

Cash Flow from Operations

* EBITDA, when used by the Company, means EBIT excluding Other charges, impairment and loss/gain on sale of long-term assets and depreciation and amortization as defined in Note 15 of the Q1 2018 earnings release.

** Excluding impairments and Other charges.
Financial Review

Order Book

- Order book of USD 211 million by end Q1 2018

- 3D vessel booking for 2018 of 45 vessel months*
  - Q2: 24 vessel months
  - Q3: 19 vessel months
  - Q4: 2 vessel months

- Plan to operate eight vessels during summer season - *Ramform Sovereign* mobilized early March

Order book estimates are based on a number of assumptions and estimates (including in relation to foreign exchange rates, proportionate performance of contracts, valuation of assets, amounts to be received as payment under certain agreements and timing of performance for day rate contracts).

* As of April 20, 2018.
**Financial Review**

**Summary of Debt and Drawing Facilities**

Debt and facilities as of March 31, 2018

<table>
<thead>
<tr>
<th>Long-term Credit Lines and Interest Bearing Debt</th>
<th>Nominal Amount</th>
<th>Total Credit Line</th>
<th>Financial Covenants</th>
</tr>
</thead>
<tbody>
<tr>
<td>USD 400.0m TLB, due 2021 Libor (minimum 0.75%) + 250 bps</td>
<td>USD 384.0m</td>
<td></td>
<td>None, but incurrence test: total leverage ratio ≤ 3.00x*</td>
</tr>
<tr>
<td>Revolving credit facility (&quot;RCF&quot;), due 2020 Libor + margin of 325-625 bps (linked to TLR) + utilization fee</td>
<td>USD 205.0m</td>
<td>USD 400.0m**</td>
<td>Maintenance covenant: total leverage ratio 4.75x Q4-17; 4.25x Q1-18, thereafter reduced by 0.25x each quarter to 2.75x by Q3-19</td>
</tr>
<tr>
<td>Japanese ECF, 12 year with semi-annual instalments. 50% fixed/ 50% floating interest rate</td>
<td>USD 404.5m</td>
<td></td>
<td>None, but incurrence test for loan 3&amp;4: Total leverage ratio ≤ 3.00x* and Interest coverage ratio ≥ 2.0x*</td>
</tr>
<tr>
<td>December 2020 Senior Notes, coupon of 7.375%</td>
<td>USD 212.0m</td>
<td></td>
<td>None, but incurrence test: Interest coverage ratio ≥ 2.0x*</td>
</tr>
<tr>
<td>December 2018 Senior Notes, coupon of 7.375%</td>
<td>USD 26.0m</td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

* Carve out for drawings under ECF and RCF.
** Reducing to USD 350 million in September 2018.

---

**Debt maturity profile**

<table>
<thead>
<tr>
<th>Rating Agency</th>
<th>Rating</th>
<th>Outlook</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moody’s</td>
<td>B3</td>
<td>Stable</td>
</tr>
<tr>
<td>S&amp;P</td>
<td>CCC+</td>
<td>Positive</td>
</tr>
<tr>
<td>Fitch</td>
<td>B -</td>
<td>Positive</td>
</tr>
</tbody>
</table>

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*Carve out for drawings under ECF and RCF.
**Reducing to USD 350 million in September 2018.
Financial Review

Rapid Deleveraging with Good Headroom to Maintenance Covenant

- Substantial reduction of Total Leverage Ratio ("TLR") during 2017 and Q1 2018
  - Significant headroom to required level

- Total leverage ratio of 2.99:1 as of March 31, 2018, compared to 3.67 as of December 31, 2017

- Company expects to be in compliance going forward
Financial Review
Key Financial Policies

• Policy of refinancing debt at least 12-18 months before maturity

• Net debt / EBITDA target of 1x-2x*

• MultiClient pre-funding levels targeted at 80-120% of MC cash investments

• Minimum liquidity target of USD 200m, including Revolving Credit Facility

• Dividend intended over time to be 25-50% of Net Income
  – BUT, priority will going forward be given to debt reduction to reach target level before resuming dividend payments.

* In a situation where net interest bearing debt exceeds the targeted level, actions to come back inside may be gradual and take place over a period of time. It is also the Company's intention to reduce the net interest bearing debt.
Concluding Remarks
Solid MultiClient Performance – Good Start to Achieve Positive 2018 Cash Flow

• Delivered the first quarter with new organization

• Solid MultiClient revenues from continued market recovery

• Still uncertainty regarding strength and timing for contract market recovery
  – Encouraging bid pipeline for 2018

• Improving visibility

Positive 2018 cash flow after debt service remains key financial target
Appendix

Segment Reporting and IFRS 15

• Following the Company’s reorganization with effect from Q1 2018, PGS now has only one operating segment. Because the previous segments, Marine Contract and MultiClient, satisfied the aggregation criteria under IFRS 8 operating segments, this change in segments does not result in a change to the segment reporting for previous periods.

• Following the implementation of the new accounting standard for revenues, IFRS 15, MultiClient pre-funding revenues are no longer recognized under the previously applied percentage of completion method. Instead, all such revenues are recognized at delivery of the final processed data, which is typically significantly later than the acquisition of the seismic data.

• PGS management has, for the purpose of its internal reporting, continued to report according to the principle applied in 2017 and earlier years, where MultiClient pre-funding revenue is recognized on a percentage of completion basis, and the related amortization of MultiClient library based upon the ratio of aggregate capitalized survey cost to forecasted sales. Reference is made to Note 16 of the Q1 2018 earnings release for further information.

• The quarterly numbers in this presentation relates to both as reported in accordance with IFRS and Segment Reporting unless otherwise stated.
Appendix
Our Organization

Sales & Services

- **Sales**
  - MultiClient, Contract and Imaging

New Ventures

- **New Ventures**
  - New MultiClient programs and strategic positioning in new basins

Imaging

- **Imaging**
  - The highest standards and the best MultiClient images

Operations & Technology

**Project Planning & Bidding**

- Focus on efficiency & delivery

**Project Delivery**

- Focus on efficiency & delivery

**Seismic Acquisition & Support**

- Continuous efficiency improvements

**Geoscience & Engineering**

- Develops differentiating technology

- Prioritizes profitability, service and quality
- Lean structure with focused contact points for responsive service
- Flexible vessel and imaging capacity
- Efficient project planning and delivery
- Subsurface expertise directs data library expansion
- Technology development aligned with client needs
Appendix

RAMFORM Titan-Class

Lifespan
Setting the benchmark for this generation of seismic vessels and vessels.

Engineered for Geoscience

Stability
The Titan design ensures better performance and room for growth. The ultra-broad, wide hull provides exceptional seawater capabilities and also means a smooth ride.

Endurance
120 days without re-fueling.
Dry docking interval 3-5 years.
Maintenance at sea is less expensive than dry dock.

Wire Pull @ 4.5 kts
This measures towing force through the water and is a more realistic representation of towing capability than bellhop pull (DHD tons).

Space = Flexibility
Three times larger than modern conventional vessels, the Titans offer a highly efficient work environment with ample space for equipment, maintenance and accommodation.

5700 m³
Fuel Capacity
Providing flexibility and endurance.

Redundancy
3 propellers, each with 2 motors – fully operational with 2 propellers.
2 engine rooms, each with 3 generators – fully operational with 1 engine room.

Power
Additional power enables more re-axed and onboard equipment.

Towing & Handling
24 real and streamer capacity and back deck automation provides flexibility, rapid deployment and safe retrieval.

5% 9%
Performance Results
Downtime
Ramform Titan – Zero mean time downtime and only 2.7% overall downtime due to site, while 64% is acquired by Titan-class vessels in 80,720 sq. km.

Cost/Streamer

All Survey Types
Titan-class vessels save all the taxes from highly efficient reconnaissance exploration surveys to the detailed resolution required for 4D production seismic.

Records
Rapid Deployment
16 streamers (each 60 km) deployed in just 73 hours.

Large Spread
19.7% sq. km, farthest spread with 18 streamers (each 105 km) x 1019 m separation (136 m at tail end).

Fast Acquisition
Highest productivity 75 sq. km./day (average for this survey – 15 sq. km/day).

HSEQ
Layout supports One Culture operations improving all aspects of HSEQ.

FutureProof
Superior platform to deploy the best dual-sensor technology – 100% Caris software equipped with streamer and source steering.
GeoStreamer®

More Measurements — Fewer Assumptions — Better Decisions

Dual Sensors
Complementary recordings facilitate deghosting by waveform separation at all water depths.

Pre-stack Deghosting — More Options
Deghosting using dual-sensor measurements with their complementary ghost spectra eliminates frequency gaps and provides access to separate waveform components for advanced processes like PGS SWAM, PMR and Reflection Tomography.

Deep Tow
- Better signal, less noise
- More low and high frequencies
- Less weather dependent

Flexible Tow Depth
Dual-sensor recording enables us to re-define the pressure wavefield to any depth. Towing depth can be adjusted in response to shallow obstacles, currents, thermoclines or to optimize operational performance without any negative impact on data quality.

Broader Bandwidth — Sharper Boundaries
Rich low frequency content reduces sidelobe artifacts, providing clearer reservoir details.

De-risking with Precise Rock Properties
GeoStreamer pre-stack deghosting provides reliable attributes for better understanding of rock and fluid distribution. Improved attribute estimations reduce uncertainty and enable more precise estimations of reserves.

Monitoring Reservoir Changes
Waveform reconstruction enables high-expectability for both legacy surveys and future 4D monitoring independent of sea state. This avoids more subtle production-related changes.

Proven in all Play Types
- SSU-SEIS: Improved signal recovery and amplitude characterization.
- SSU-BASALT: Cleaner sub-basalt imaging and intra-basalt layer definition.
- CLARITY: Enhanced reservoir properties without the need for well control.
- CARBONATES: Detailed imaging of internal structures and better porosity prediction.
- INSECT: Resolution of complicated geometries and identification of true-stratal importance boundaries.

Experience that counts
450,000 km² acquired worldwide
Appendix

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 2D spread control, source steering, continuous recording, flexible tow depth and parallel towing.

Hydrophone

Motion Sensor

Dual Sensors

• Wakefield separation
• Better signal, less noise
• Tow depth independent
• True broadband

Dense Spreads

• Better receiver sampling
• Improved 3D resolution
• Improved 4D repeatability

Flexible Tow Depth

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

Source Steering

Continuous Recording

• Improved source sampling
• Increased vessel speed
• Flexible record length

3D Spread Control

Wide Azimuth (WAZ/WaZ)

Simultaneous Long Offset (SLO)

Full Azimuth (Faz)

Leading the Industry

Quality

Efficiency

Reliability

Versatility

Performance

Innovation

Cost

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:

• Dual Source Narrow Azimuth (NAZ)
• Triple Source Narrow Azimuth (NAZ)
• Multi Azimuth (MAZ)
• EM and Seismic

MultiVessel Survey:
Extending Illumination and Angular Diversity

GeoStreamer data and SWIM imaging

Separating Wavefield Imaging (SWIM) is an innovative depth imaging technology that uses both up- and down-going wavefields, recorded by GeoStreamer® dual hydrophones and motion sensors.

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NARROW AZIMUTH TO WIDE TOW SWIM enables the design and use of cost-effective acquisition geometries such as super-wide tow. For narrow azimuth surveys in shallow water, SWIM yields better sampled data in the angle domain.

WIDE AZIMUTH: The extra sub-surface illumination of sea-surface reflections combined with Wide Azimuth (WAZ) acquisition facilitates the imaging of salt flanks and other sub-bottom geological structures.

---

SWIM + Survey Geometries

---

Reduce Acquisition Footprint

Tightly terraced spread with virtual sources and receiver arrays reduces source sampling in the cross-direction from the distance between two lines to that between streamers. Using SWIM in shallow water fills in gaps in near-surface coverage successfully reducing the acquisition footprint.

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Appendix

Further Uses

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OCAM BOTTOM DATA

SWIM has been successfully applied to occluded data such as ocean bottom node and cable recordings. SWIM can increase the shallower image area of the seabed and the underlying sediments by up to 70%.

IMPROVED MULTIPLE REMOVAL

SWIM resolves the generation of detailed shallow reflection images that are a requirement for some data-driven 3D SHAWK multiple removal methods.

REDUCING DRILLING RISK

Superior illumination of the overburden using SWIM provides high-resolution images suitable for shallow facies analysis, helping to identify drilling risks.

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Extra Illumination

Sea-surface reflections add additional information about subsurface reflectivity, enabling high resolution imaging that is unattainable with traditional reflection seismic.

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Smaller Sampling

Extended angular illumination of each point in the subsurface and information from this, near angles can significantly improve shallow target AAV analysis.

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Enhanced Imaging of Deeper Targets

High-resolution stack images and well-sampled angle gathers are essential for advanced workflows such as OCM. This enables the generation of high-resolution velocity models, removing shallow model uncertainties.