

Unaudited Fourth Quarter and Preliminary Full Year 2012 Results

Oslo, February 14, 2013





Cautionary Statement

- This presentation contains forward looking information
- Forward looking information is based on management assumptions and analyses
- Actual experience may differ, and those differences may be material
- Forward looking information is subject to significant uncertainties and risks as they relate to events and/or circumstances in the future
- This presentation must be read in conjunction with the press release for the fourth quarter and preliminary full year 2012 results and the disclosures therein

Solid 2012 Performance



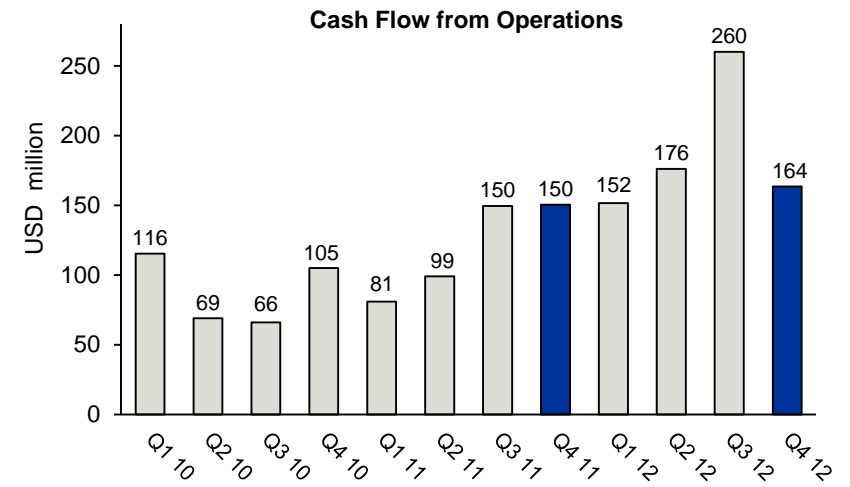
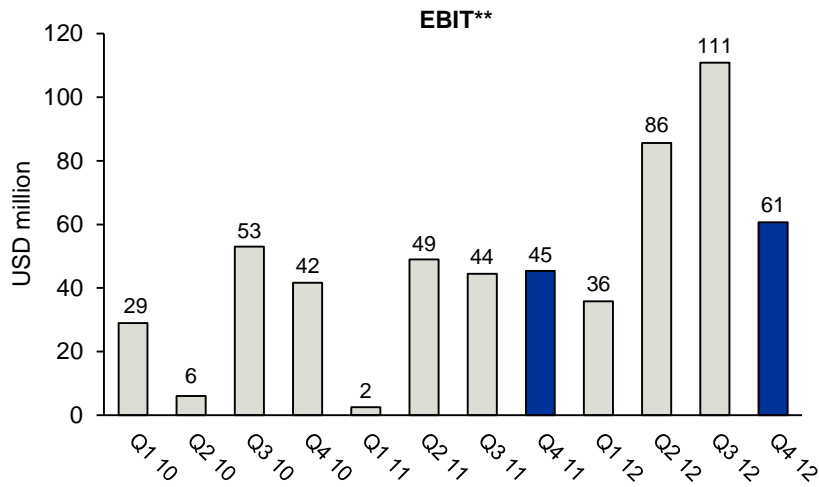
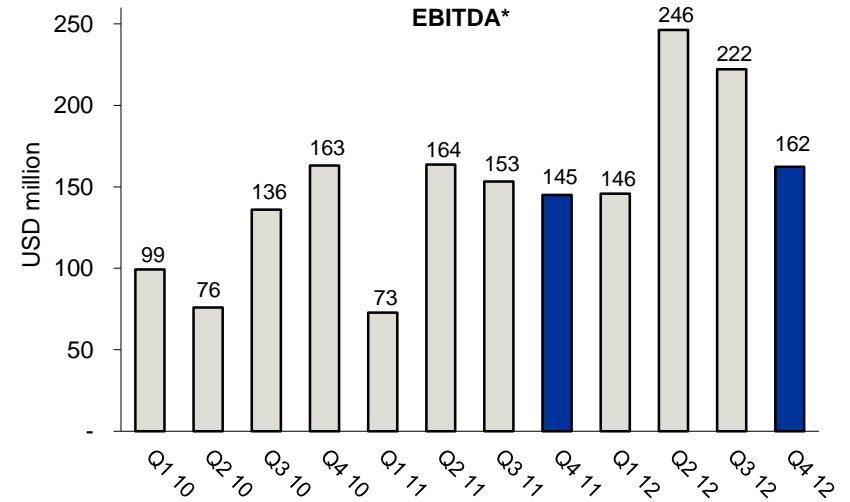
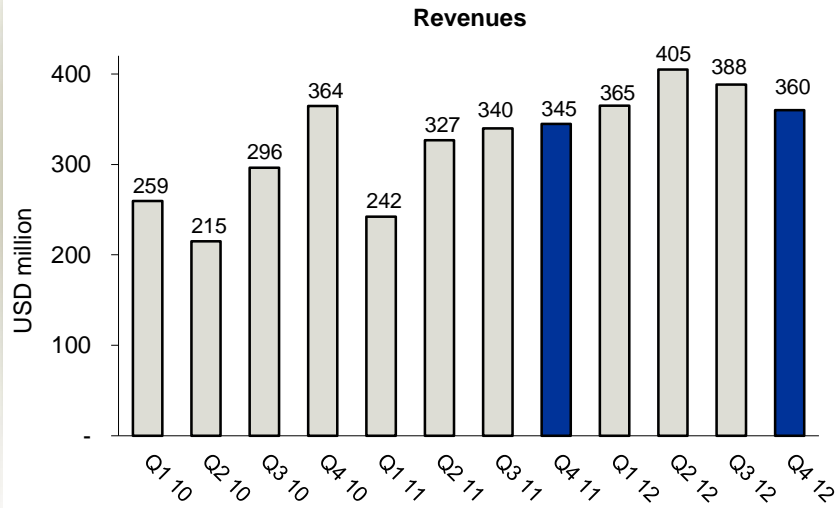
- 2012 financial performance:
 - Revenues of USD 1,518.3 million
 - Record MultiClient revenues of USD 728.2 million
 - EBIT of USD 293.8 million
 - Group EBIT margin of 19%
 - Cash from operating activities of USD 752.9 million
 - EPS of USD 0.86
- Delivered on the 2012 Profit Improvement Program
- Financial strength further enhanced by:
 - USD 250 million Japanese Export Credit
 - USD 150 million add-on to Senior Notes
- Technology achievements within Towed EM, Permanent Reservoir Monitoring and Imaging



Proposed ordinary dividend of NOK 1.65 per share – up 50% from 2011



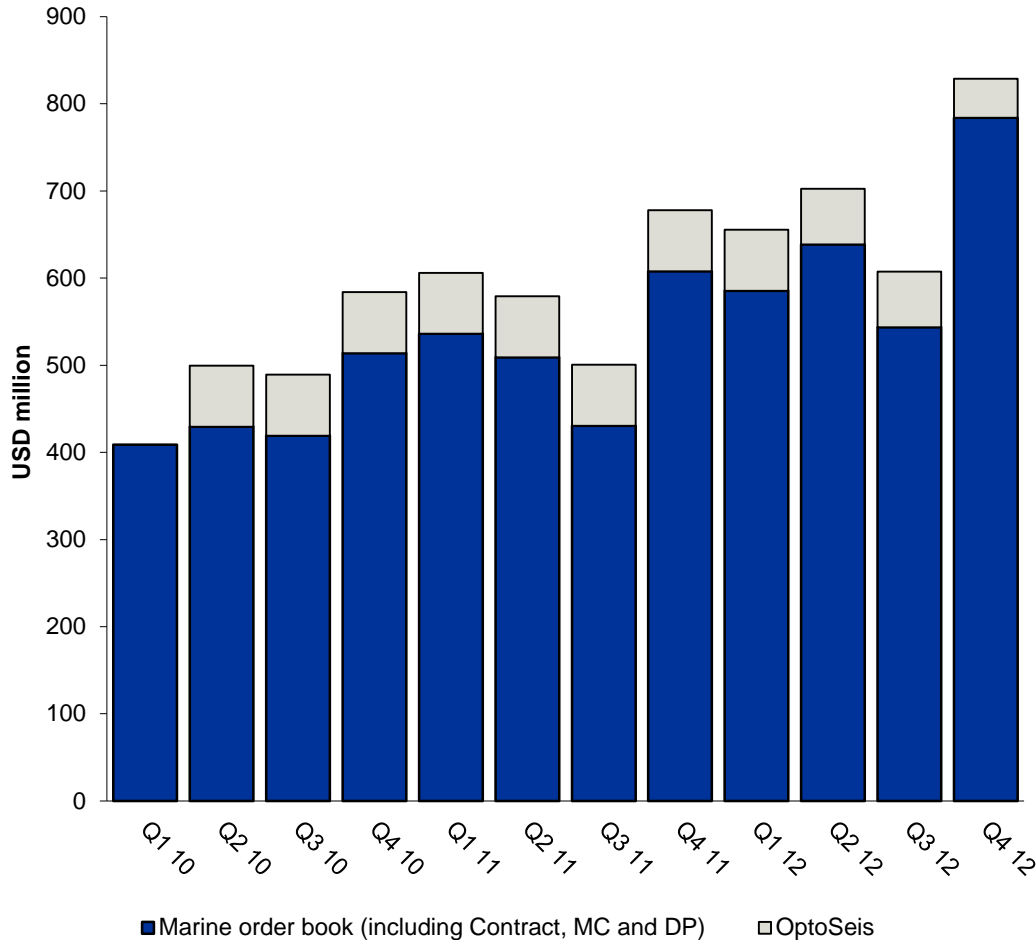
Financial Summary



*EBITDA, when used by the Company, means EBIT less other operating (income) expense, impairments of long-term assets and depreciation and amortization.

**Excluding impairments of USD 0.1 million in Q4 2012, USD 2.6 million in Q4 2011, USD 79.9 million in Q3 2010, USD 0.5 million in Q1 2010 and reversal of impairment of USD 0.9 million in Q2 2012 and 1.3 million in Q4 2010.

Attractive Order Book - Good Earnings Visibility



- Order book end Q4 of USD 829 million
- Order book driven by directly awarded projects
 - Fully booked for Q1 2013
 - ~90% booked for Q2 2013
 - ~60% booked for Q3 2013
 - ~30% booked for Q4 2013

 Strong GeoStreamer® interest



Petroleum Geo-Services ASA

Petroleum Geo-Services ASA

Financials

Unaudited Fourth Quarter and Preliminary Full Year 2012 Results



Consolidated Statement of Operations Summary

USD million (except per share data)	Quarter ended December 31			Full year ended		
	2012	2011	% change	2012	2011	% change
Revenues	360.1	344.6	4 %	1 518.3	1253.3	21 %
EBITDA*	162.2	145.0	12 %	776.2	534.8	45 %
Operating profit (EBIT)**	60.7	45.4	34 %	293.0	141.3	107 %
Operating Profit (EBIT) as reported	60.6	42.8	42 %	293.8	138.7	112 %
Net financial items	(15.6)	(30.2)	48 %	(65.3)	(73.9)	12 %
Income (loss) before income tax expense	45.0	12.5	259 %	228.5	64.8	253 %
Income tax expense (benefit)	4.8	6.8	-29 %	42.9	29.7	44 %
Net income to equity holders	40.1	5.5	625 %	185.5	33.7	451 %
EPS basic	\$0.19	\$0.03	533 %	\$0.86	\$0.16	438 %
EPS diluted	\$0.18	\$0.03	500 %	\$0.85	\$0.15	467 %
EBITDA margin*	45.0 %	42.1 %		51.1 %	42.7 %	
EBIT margin	16.8 %	13.2 %		19.3 %	11.3 %	

- Income tax expense favorably impacted by operation of vessels in the Norwegian Tonnage Tax regime and currency changes

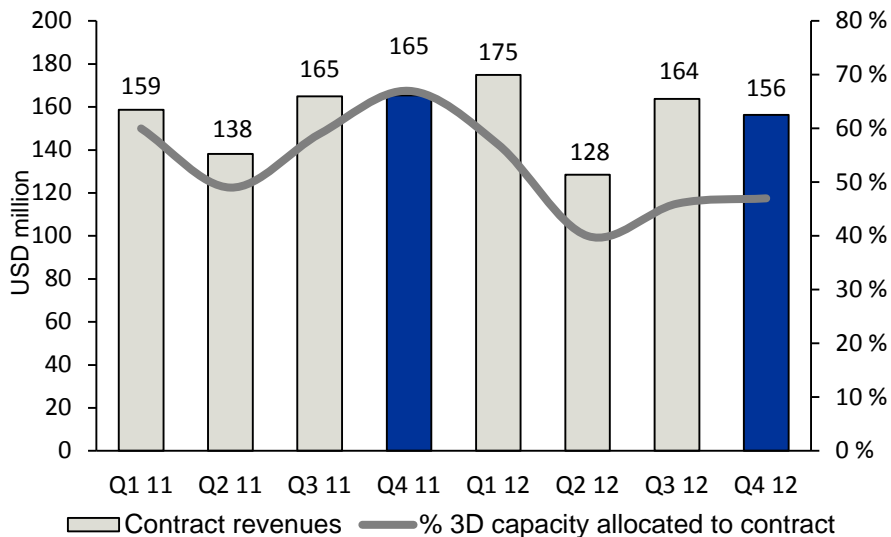
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**Excludes impairments/reversal of impairments recorded in Q4 2012, Q2 2012 and Q4 2011.

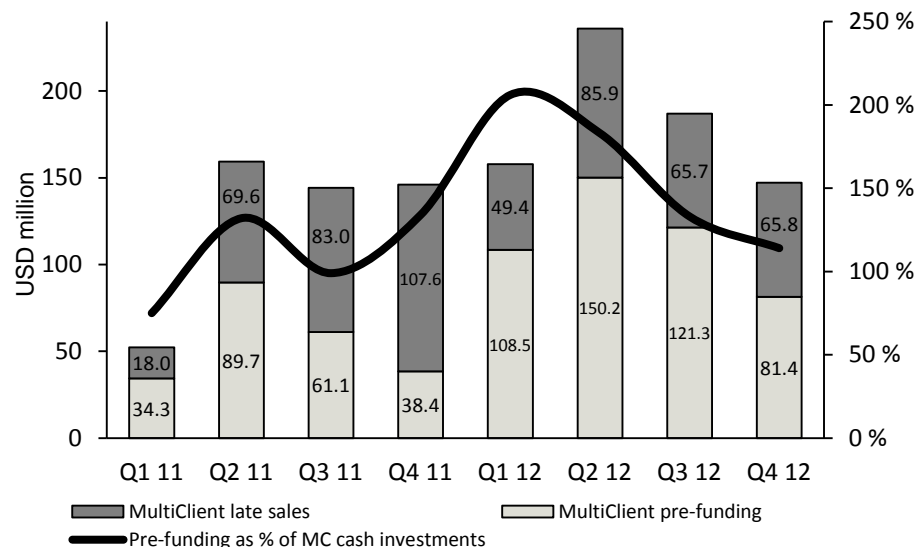
The accompanying unaudited financial information has been prepared under IFRS. This information should be read in conjunction with the unaudited fourth quarter and preliminary full year 2012 results released on February 14, 2013.

Q4 and 2012 Highlights

Contract revenues



MultiClient revenues

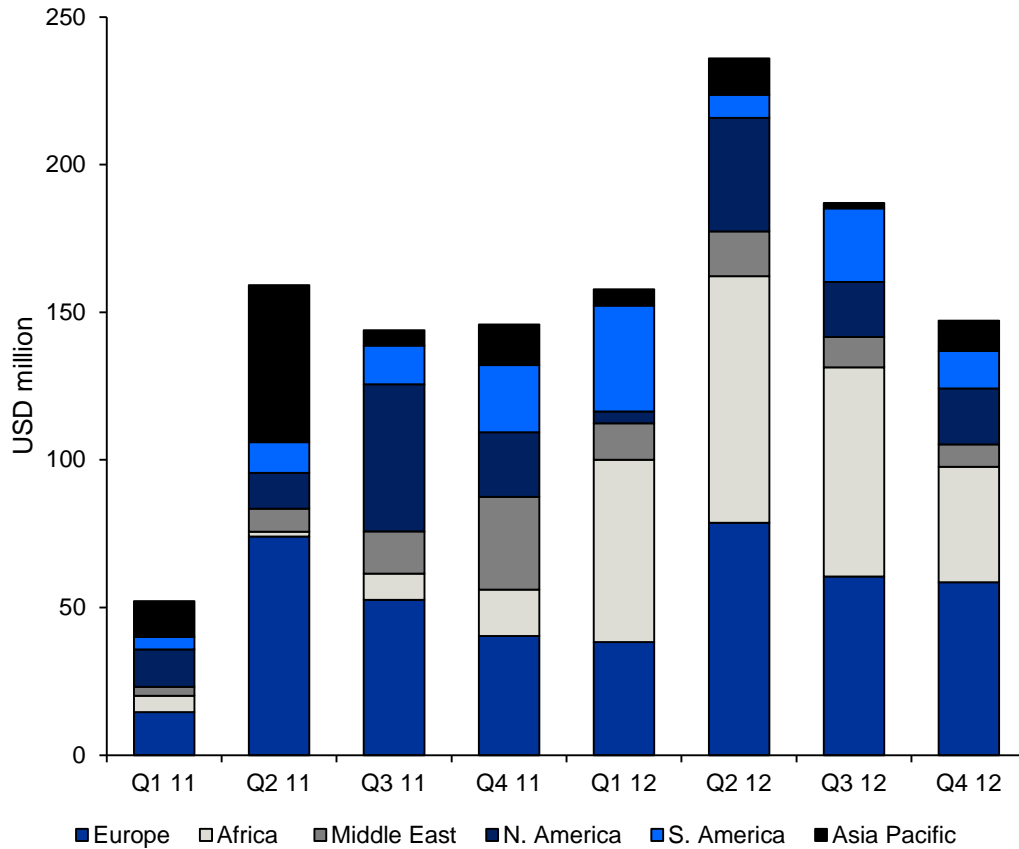


- Total MultiClient revenues of USD 147.2 million in Q4 2012
 - Pre-funding of USD 81.4 million, 114% of MultiClient cash investments
 - Pre-funding as % of MultiClient cash investment for full year 2012 of 155%
- Marine Contract revenues of USD 156.3 million with an EBIT margin of 12% in Q4 2012 and 16% for the full year
- Strong external Data Processing revenues of USD 32.3 million



MultiClient Revenues per Region

Pre-funding and Late Sales Revenues Combined



- Strong pre-funding revenues driven by Angola and Europe
- Less of the year-end upswing in MultiClient late sales after very strong Q2 and Q3 late sales
- Full year 2013 pre-funding level to be above 110% of MultiClient cash investment

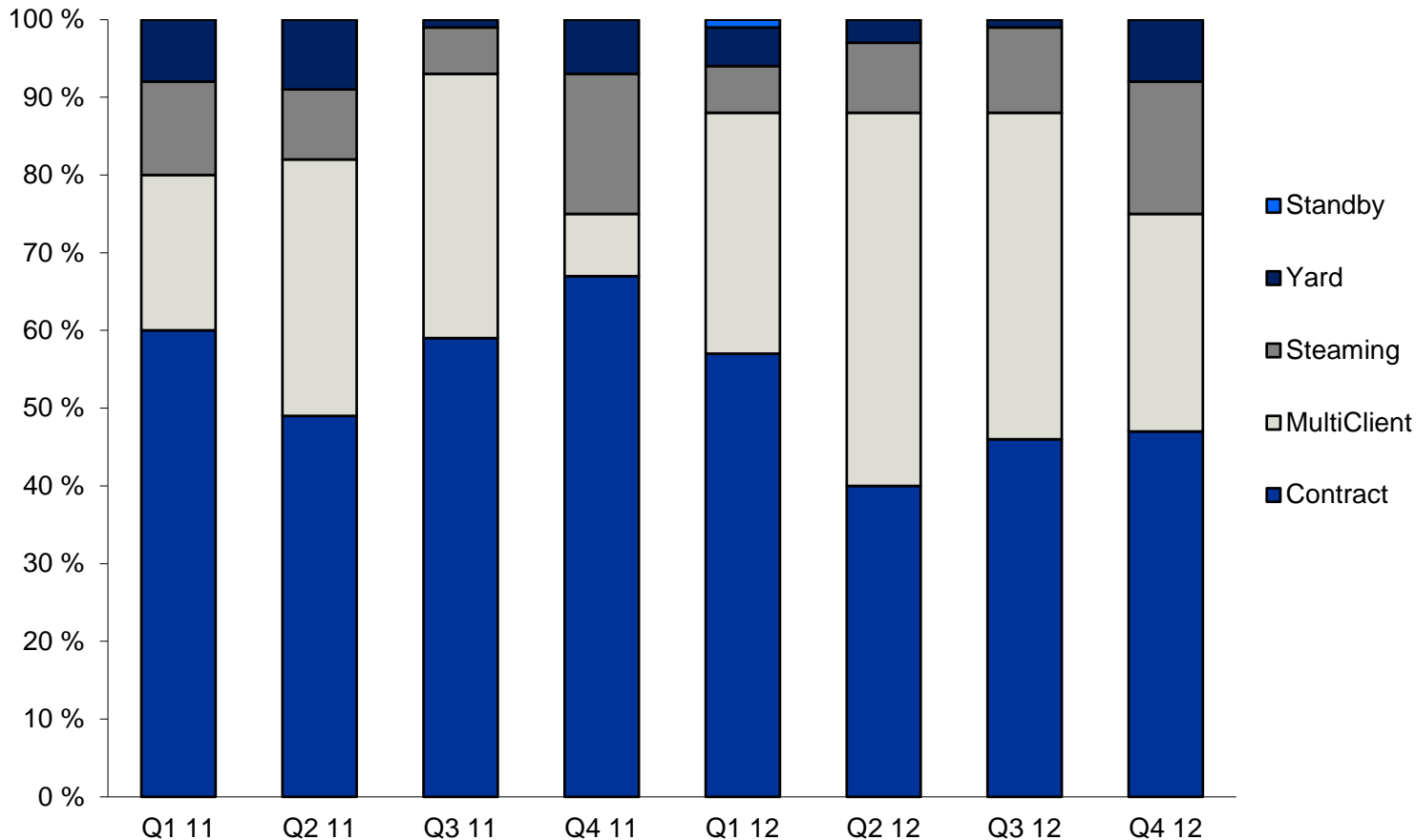


28% of total vessel time was used for MultiClient in Q4 2012



Vessel Utilization

Seismic Streamer 3D Fleet Activity in Streamer Months



75% active vessel time in Q4 2012



Key Operational Figures

USD million	2012				2011			
	Q4	Q3	Q2	Q1	Q4	Q3	Q2	Q1
Contract revenues	156.3	163.8	128.5	174.9	165.4	164.9	138.1	158.6
MultiClient Pre-funding	81.4	121.3	150.2	108.5	38.4	61.1	89.7	34.3
MultiClient Late sales	65.8	65.7	85.9	49.4	107.6	83.0	69.6	18.0
Data Processing	32.3	33.1	31.7	27.3	29.8	27.5	25.5	27.2
Other	24.3	4.3	8.6	4.9	3.4	3.3	3.7	4.0
Total Revenues	360.1	388.3	404.8	365.0	344.6	339.9	326.6	242.2
Operating cost	(197.9)	(166.2)	(158.7)	(219.3)	(199.6)	(186.7)	(163.0)	(169.3)
EBITDA	162.2	222.1	246.2	145.7	145.0	153.2	163.6	72.9
Other operating income	0.2	0.2	0.2	0.5		4.4		
Depreciation	(37.7)	(33.0)	(31.4)	(37.6)	(48.0)	(41.4)	(33.8)	(37.7)
MultiClient amortization	(64.0)	(78.5)	(129.3)	(72.8)	(51.7)	(71.8)	(80.8)	(32.7)
EBIT*	60.7	110.9	85.6	35.8	45.4	44.5	49.0	2.5
CAPEX	(139.5)	(76.6)	(84.1)	(67.9)	(47.2)	(40.9)	(110.5)	(81.3)
Cash investment in MultiClient	(71.3)	(91.4)	(82.0)	(52.7)	(28.5)	(61.5)	(68.4)	(45.6)
Order book	829	608	689	655	678	501	579	606

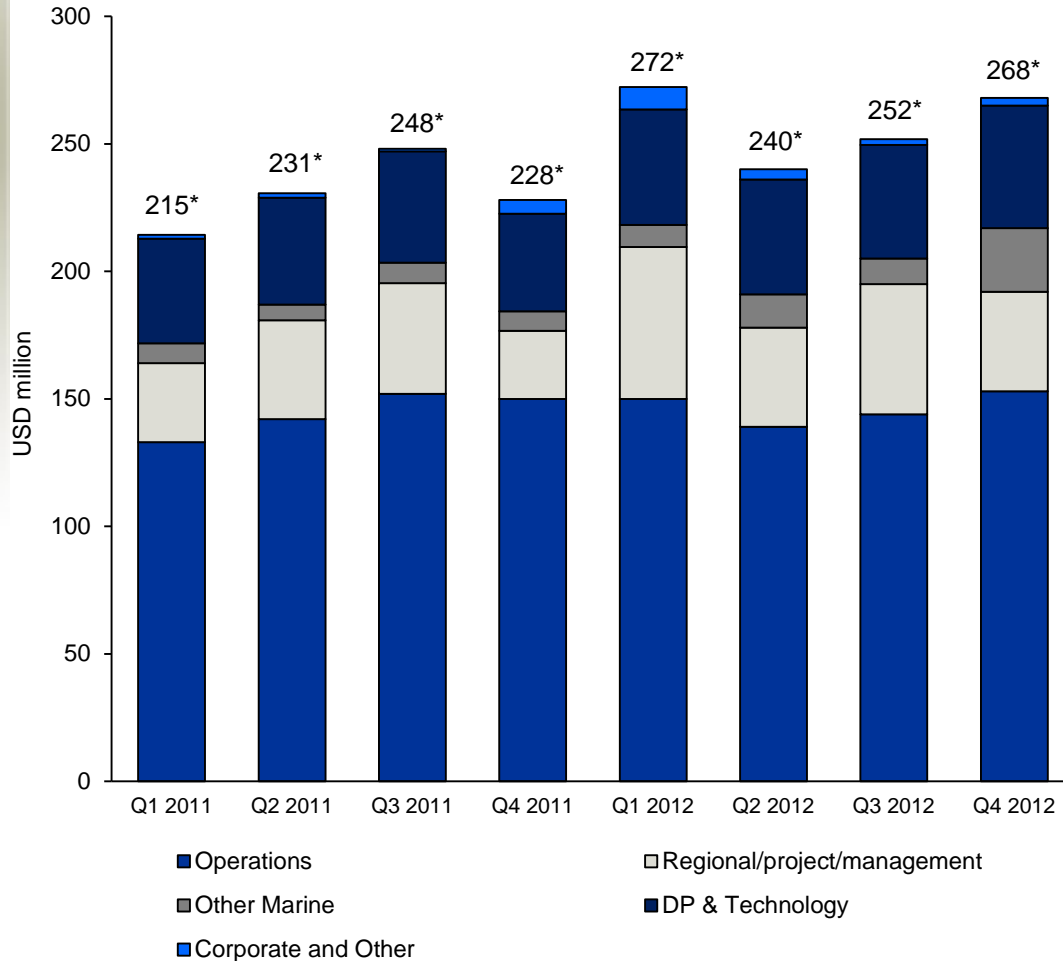
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Group Cost* Development



- Sequential cost increase primarily due to delivery and installation of an OptoSeis system at the Jubarte field in Brazil
- Delivered on the Profit Improvement Program with USD 50 million EBIT run rate improvement

*Amounts show the sum of operating cost and capitalized MultiClient cash investment.



Consolidated Statement of Cash Flows Summary

USD million	Quarter ended December 31		Full year	
	2012	2011	2012	2011
Cash provided by operating act.	163.6	150.5	752.9	480.4
Investment in MultiClient library	(71.3)	(28.5)	(297.4)	(203.9)
Capital expenditures	(131.5)	(51.7)	(358.5)	(299.1)
Other investing activities	(1.9)	7.7	(2.1)	(68.9)
Financing activities	141.2	169.9	(129.3)	83.7
Net increase (decr.) in cash and cash equiv.	100.0	247.8	(34.4)	(7.8)
Cash and cash equiv. at beginning of period	290.3	176.9	424.7	432.6
Cash and cash equiv. at end of period	390.3	424.7	390.3	424.7

- Full year cash provided by operating activities up 57% compared to 2011
- USD 94.9 million positive full year cash flow before financing activities, despite significant expansion capital expenditures
- Q4 2012 capital expenditures include USD 74.2 million relating to the new builds
 - Full year 2012 new build capital expenditures of USD 202.0 million
- Successful offering of an additional USD 150 million aggregate principal amount of the Senior Notes due 2018 at a price of 107.5% of par

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Strong Balance Sheet Position - Key Figures

USD million	Quarter ended December 31	
	2012	2011
Total assets	3 274.0	3 137.2
MultiClient Library	382.3	334.1
Shareholders' equity	1 921.8	1 771.7
Cash and cash equiv.	390.3	424.7
Restricted cash	92.3	93.7
Liquidity reserve	740.3	774.7
Gross interest bearing debt *	921.5	954.5
Net interest bearing debt	435.6	394.2

*Includes capital lease agreements

 Net debt to EBITDA of 0.56 by year end 2012, while policy allows for 1x in a strong market and 2x in a weak market

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Petroleum Geo-Services ASA

Petroleum Geo-Services ASA

Operational Update and Market Comments



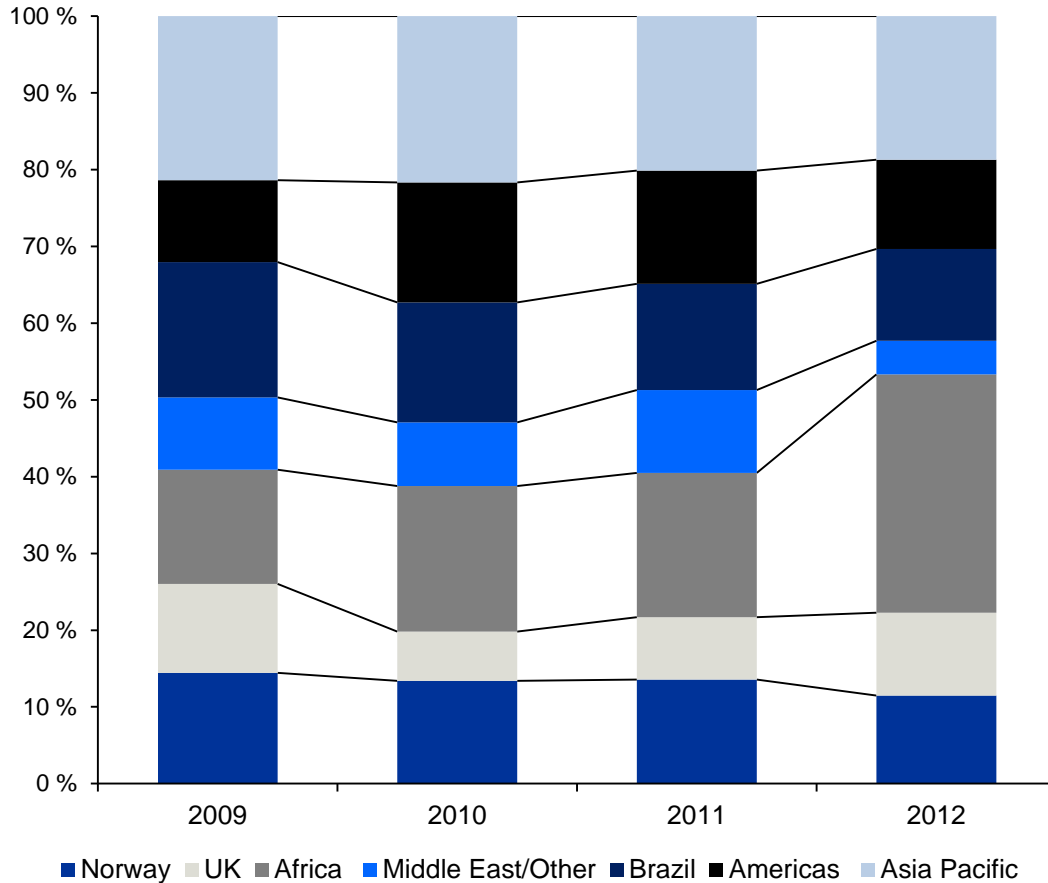
Streamer Operations February 2013





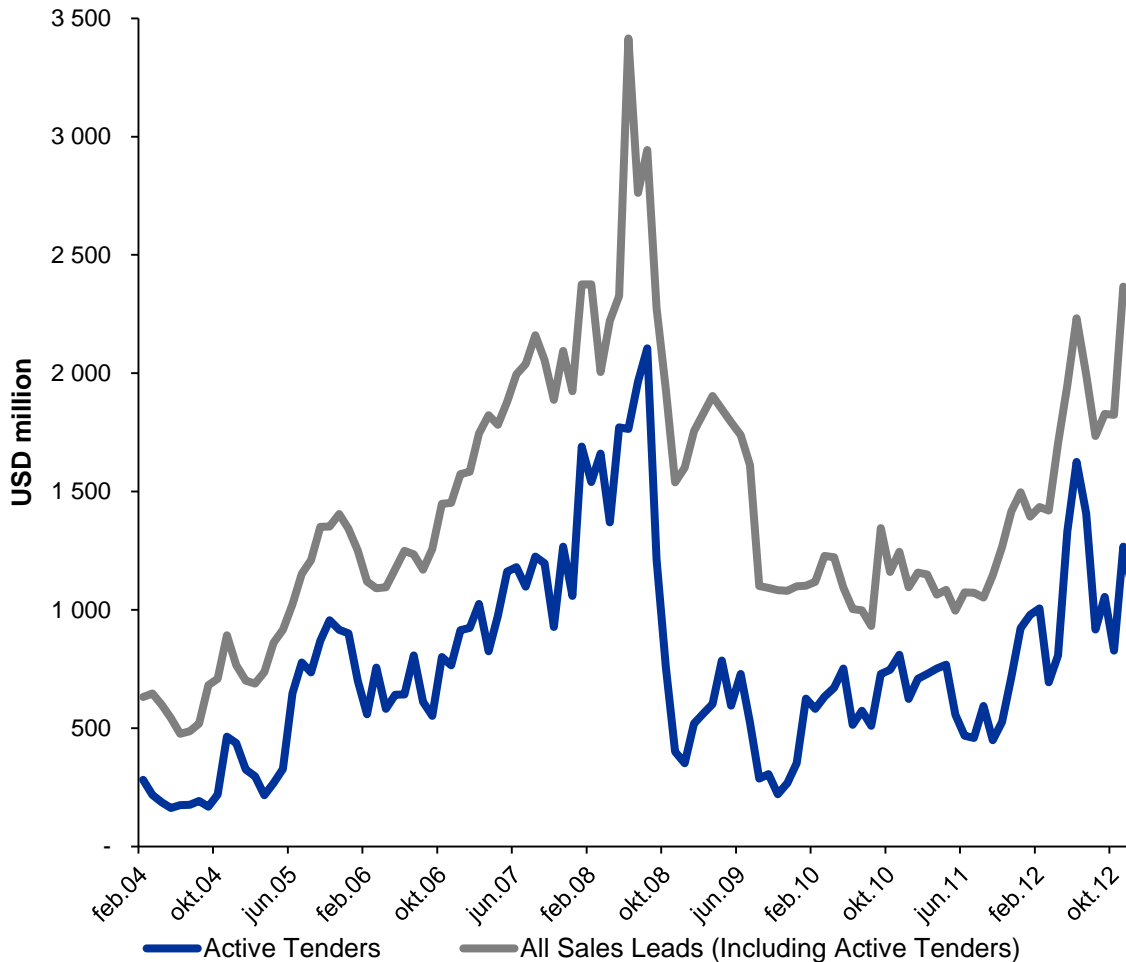
PGS - Truly Global Operations and Revenue Mix

Regional Revenue Distribution



- Consistently good revenue mix from different regions
- Angola MultiClient project influenced revenue contribution from Africa in 2012
- North Sea is a stable foundation in the revenue mix accounting for approximately 20%

Solid Market Activity



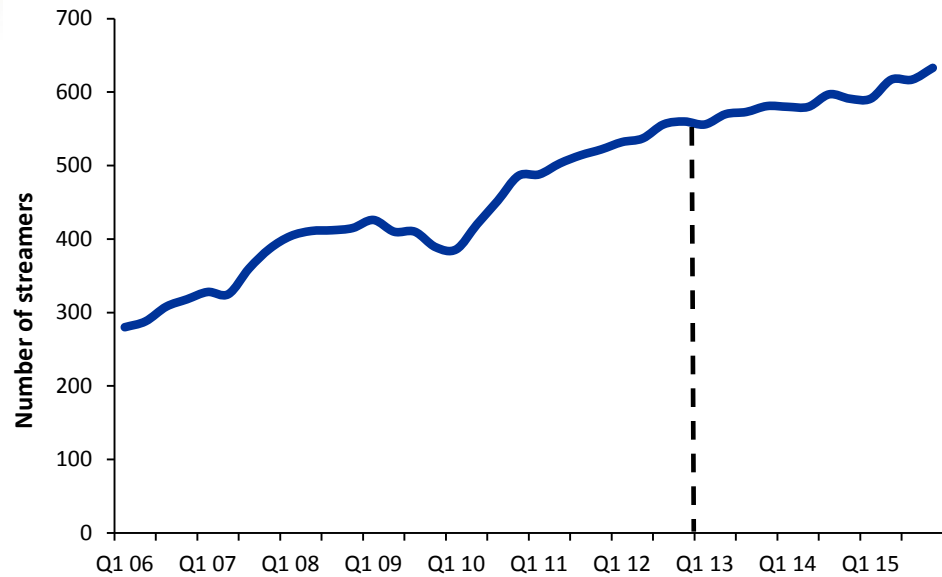
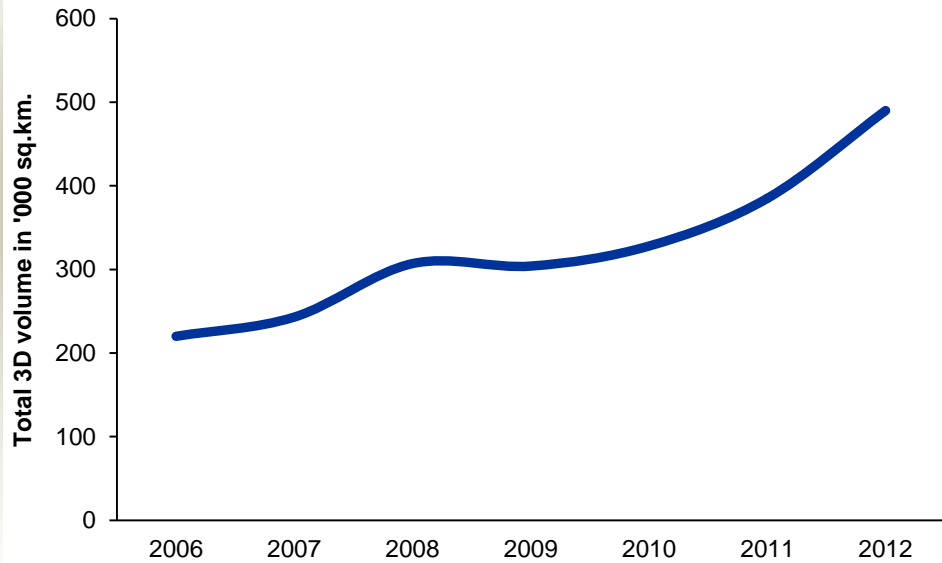
- E&P spending continues to increase
- “Active Tenders” remain at healthy levels
 - Awards of North Sea work have started
 - Trends indicate pricing and margin uplifts from 2012 season
- “All Sales Leads” at par with H1 2008 levels
- Good bid opportunities



Proportion of bids favoring GeoStreamer continues to increase



Demand Growth Outpaces Supply Growth



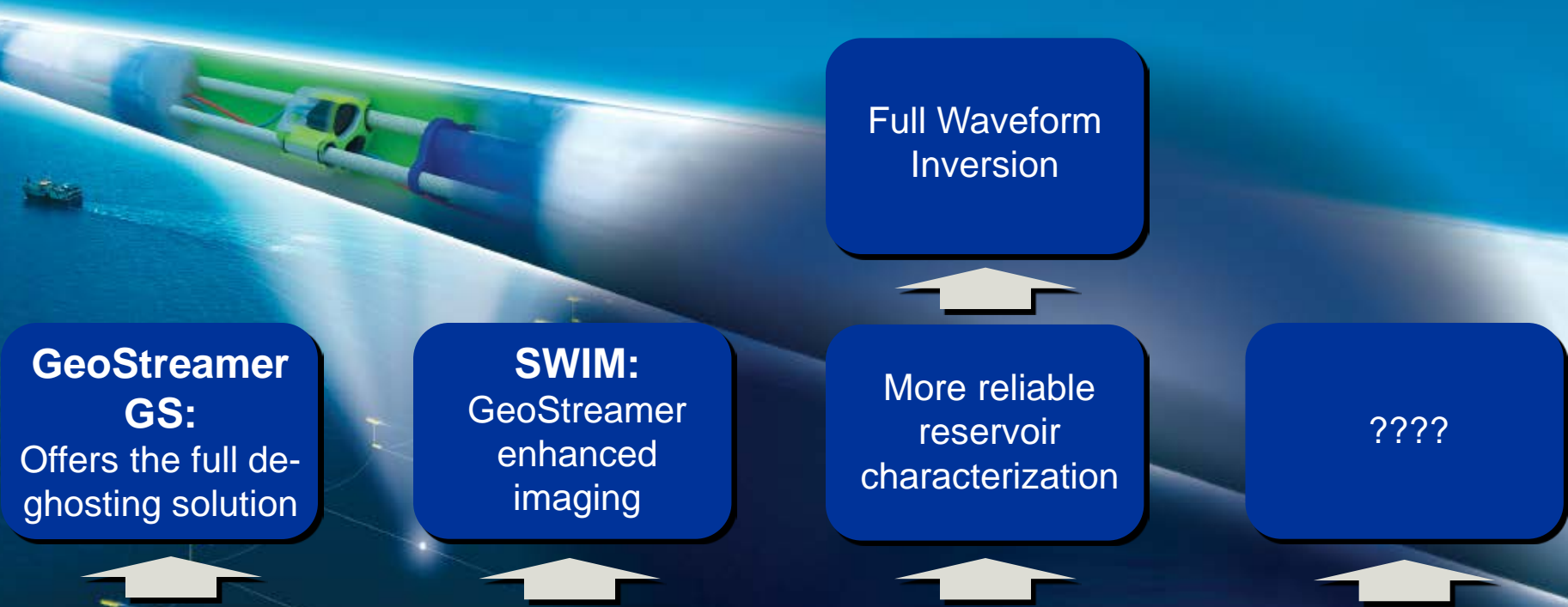
- From 2006 to end 2012 demand for seismic has grown by approximately 120% measured in sq.km.
 - Annual average growth rate of 12%
- 7% capacity increase in 2012
- Expected capacity increases
 - 4% increase in 2013
 - 2% increase in 2014
 - 7% increase in 2015

Source to both graphs: PGS internal estimates. Capacity increases are calculated based on change from Q4 one year to Q4 the previous year.



GeoStreamer:

The New Business and Technology Platform



GeoStreamer – The New Business and Technology Platform:

- Gives higher resolution, better depth imaging and improved operational efficiency
- Improves the seismic value chain from acquisition to processing



GeoStreamer Technology roll-out: More of the Ultra-High End

GeoStreamer operations

- *Atlantic Explorer*
 - (6 streamers)
- *Ramform Explorer*
 - (10 streamers)
- *Ramform Challenger*
 - (10 / 12 streamers)
- *Ramform Valiant*
 - (12 streamers)
- *Ramform Viking*
 - (12 streamers)
- *Ramform Vanguard*
 - (12 streamers)
- *PGS Apollo*
 - (10 Streamers)
- *Sanco Spirit (2D)*
- *Nordic Explorer (2D)*



Planned GeoStreamer rollout

- *Ramform Titan* Q213
 - (16 streamers)
- *Ramform Atlas* Q413
 - (16 streamers)
- *Ramform Sterling* H114
 - (14 streamers)
- *Ramform Titan 3* H115
 - (16 streamers)
- *Ramform Titan 4* H215
 - (16 streamers)
- *Ramform Sovereign* H116 *latest*
 - (14 streamers)

In exploration mode with 100 meter streamer separation

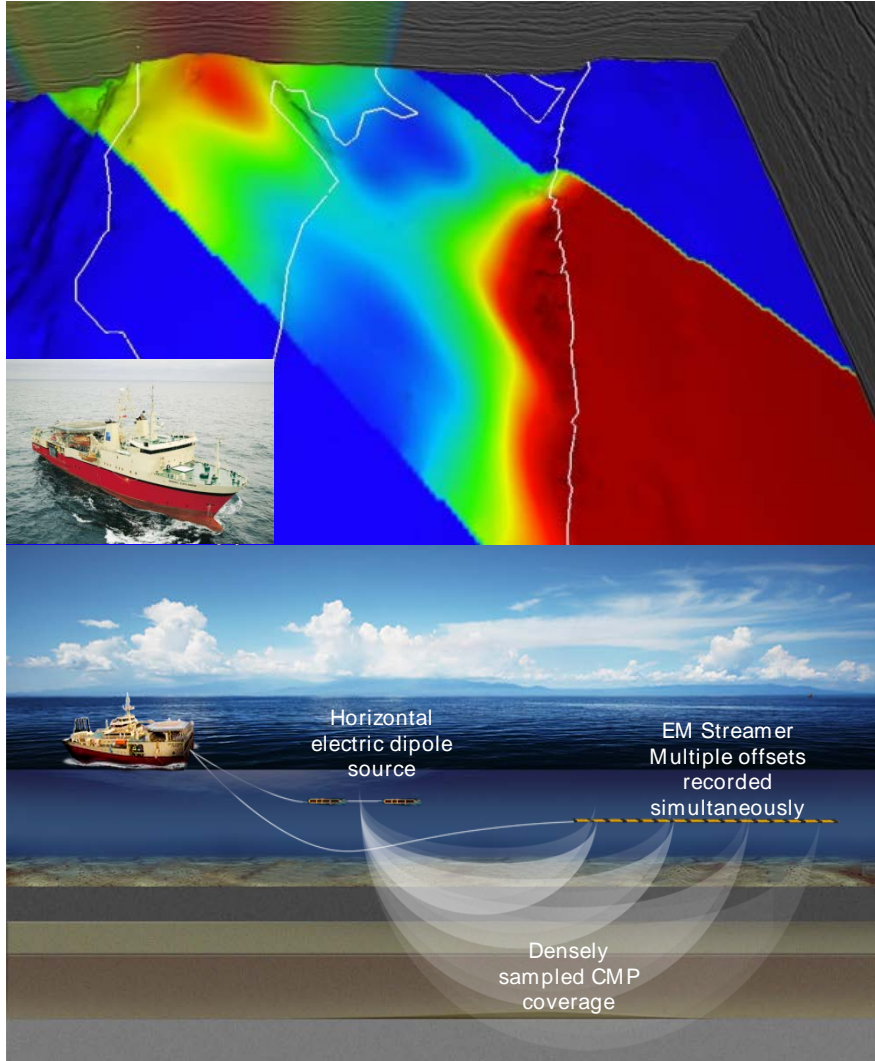
8K offset.

Only Ramform S-class left to do before 100% GeoStreamer



A New Business Opportunity:

Successful Launch of Towed EM

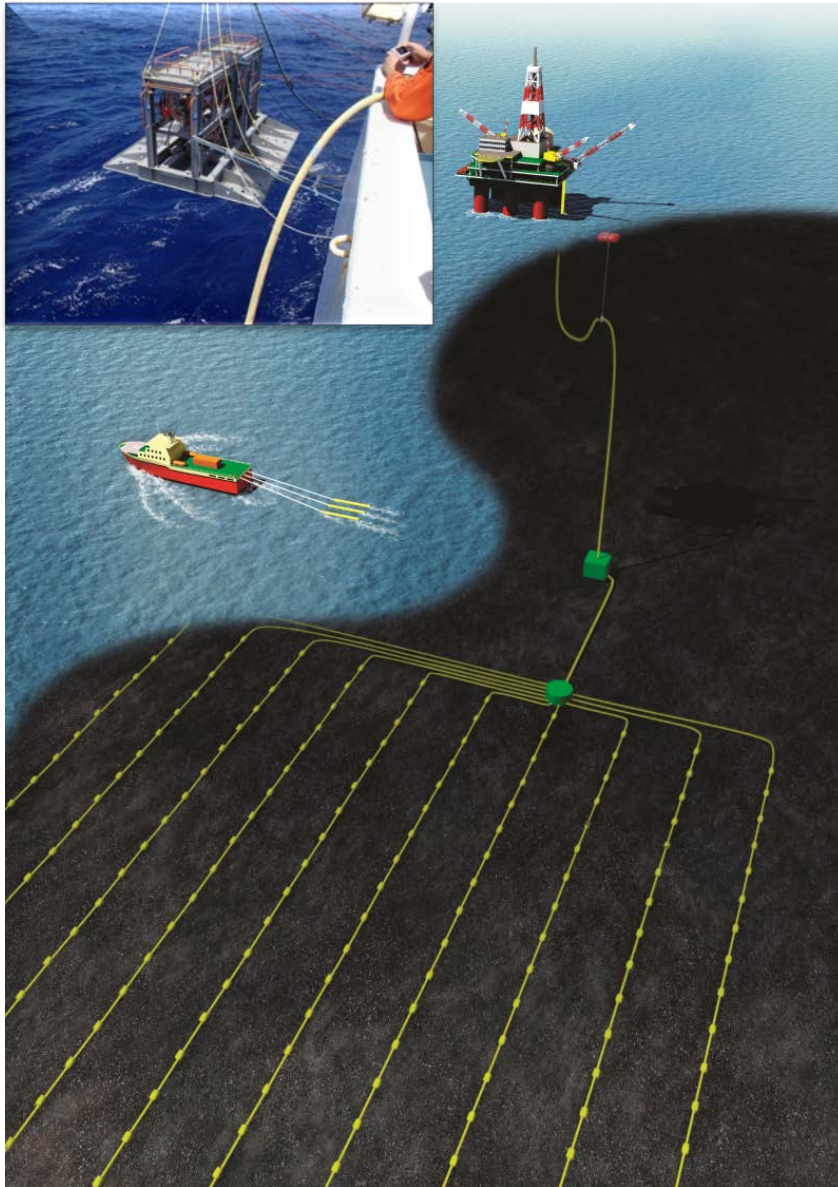


- First series of electromagnetic (“EM”) MultiClient and contract surveys acquired in the North Sea in Q4 2012
- More than 10 leads for Towed EM projects in 2013
 - Planning for more than 3 months of acquisition
- Benefits with Towed EM
 - Efficiency – acquisition speed 4-5 knots
 - Online Quality Control
 - Portable system
 - Possible simultaneous seismic and EM acquisitions reduces utilization risk
 - Dense data coverage
 - Data analysis in context with seismic data

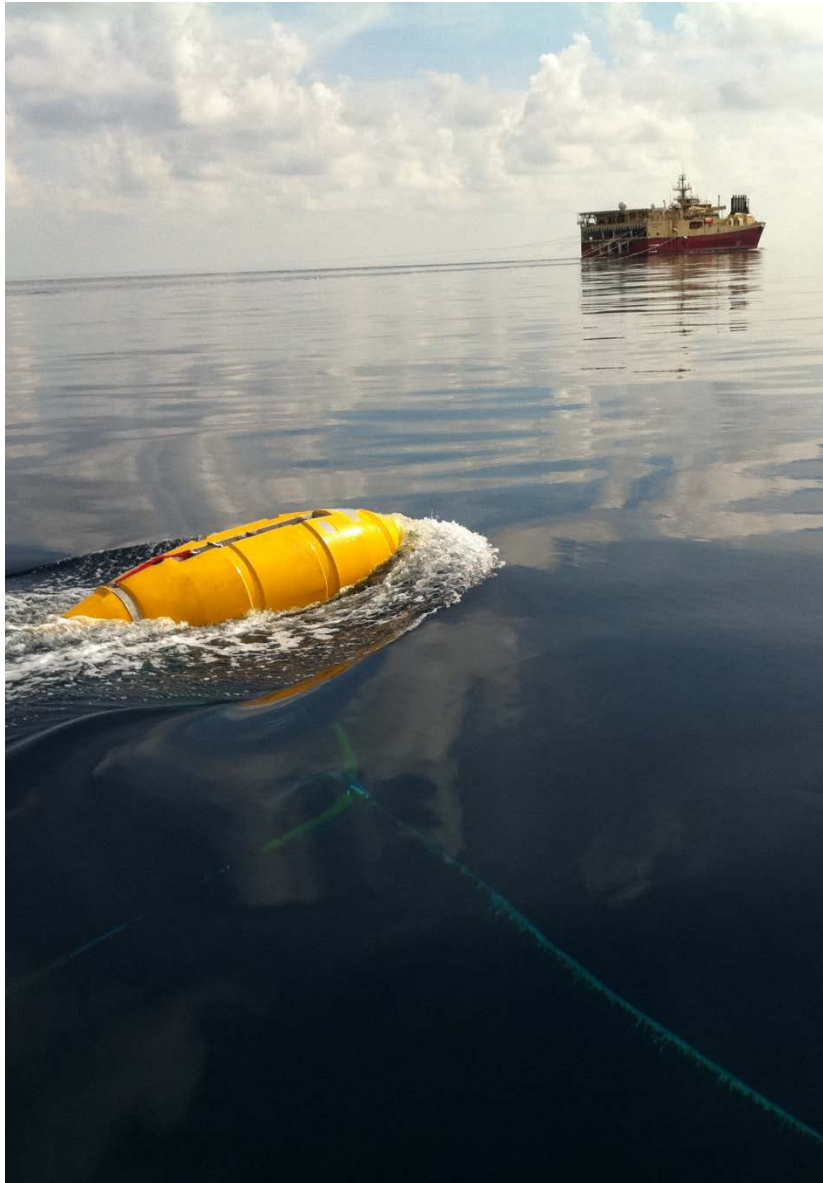


OptoSeis:

Progressing in Permanent Reservoir Monitoring (“PRM”)



- Pilot project delivered and installed to Petrobras in Q4 2012
 - The world’s first PRM system deployed deeper than 1,000 meters
 - 35 kilometers of sensor cable
 - Approximately 700 4-component sensors
 - First acquisition completed early February 2013
- PGS in a strong position for Brazil PRM market
- PRM systems enables Increased Oil Recovery and a cost effective life-of-field solution with high data quality
- Good leads for new PRM systems in 2013-2015



- Sustained solid market activity
- Oil companies are more proactive in securing capacity
- North Atlantic summer season 2013 will be stronger than in 2012
- GeoStreamer interest continues to increase to new record levels
- Comfortable order book with good visibility into H2 2013

- EBITDA in the range of USD 940-980 million
- MultiClient cash investments in the range of USD 300-350 million
 - Pre-funding level to be above 110%
- Capital expenditures in the range of USD 540-570 million
 - Of which approximately USD 325-350 million to new build program
 - Increased capital expenditures is due to cross-over from 2012



In Conclusion:

A Well Positioned Focused Marine Seismic Company



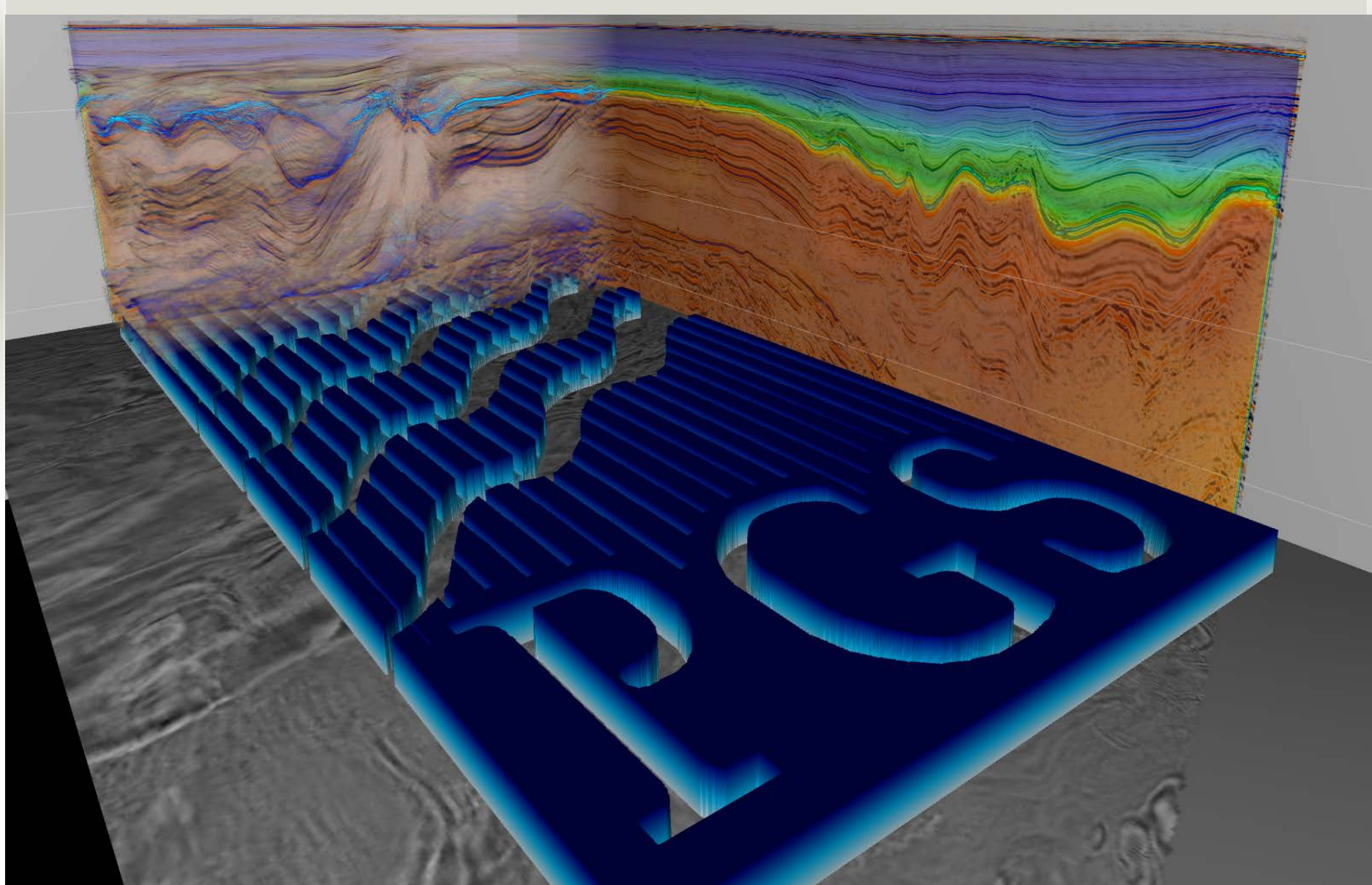
- Strong market fundamentals
- Improving productivity & scale
 - Building four new Ramform Titan-class vessels
 - Leading 3D MultiClient library returns, with further improvements expected
- GeoStreamer delivers improved data quality, strong performance and better pricing
- Leading edge Imaging capabilities
- Technology differentiation with the GeoStreamer platform, Towed EM and OptoSeis
- Strong balance sheet





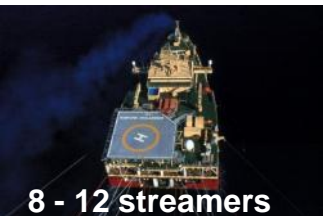


Competitively Positioned – Performance Through the Cycle



Thank You – Questions?



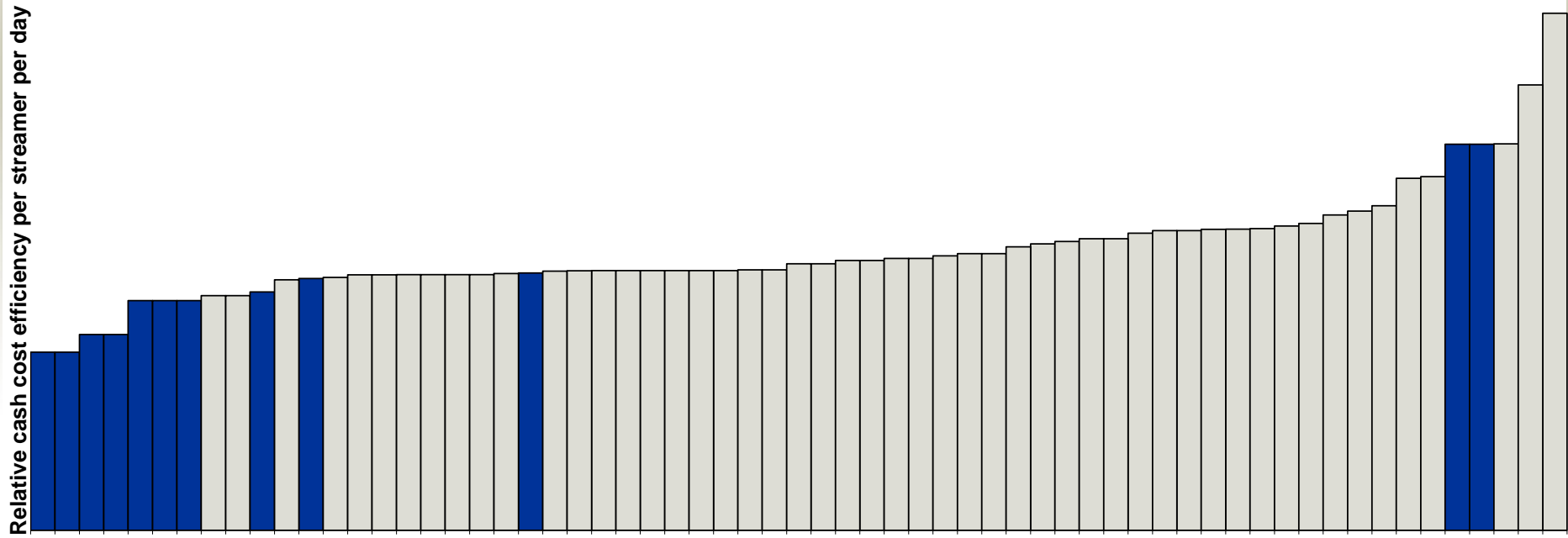
Appendix: Continuously Ahead of Competition

	1992 - 1996	1998 - 1999	2007 - 2009	2012 - 2014
Competition	 <p>4 - 6 streamers</p>	 <p>6 - 8 streamers</p>	 <p>8 - 12 streamers</p>	 <p>10 - 20 streamers</p>
PGS	 <p>8 - 12 streamers</p>	 <p>12 - 18 streamers</p>	 <p>12 - 22 streamers</p>	 <p>14 - 24 streamers</p>

- PGS builds vessels to optimize cost and efficiency over the vessels' useful life
- Growing capacity over the cycle rather than trying to time the market
- Larger vessels enable safer and more efficient high quality seismic



Favorably Positioned on the Industry Cost Curve



PGS fleet is positioned to generate the industry's best margins

Source: The cash cost curve is based on PGS' internal estimates and typical number of streamer towed, and excludes GeoStreamer productivity effect. The graph shows all seismic vessels operating in the market and announced new-builds. The Ramform 9&10 are incorporated with 15 streamers, S-class with 14 streamers and the V-class with 12 streamers.

PGS Fleet Overview

Ramforms

Titan-class



2 ordered for 2013 delivery

&

2 for 2015 delivery

S-class



Ramform Sterling

Ramform Sovereign

V-class



Ramform Valiant

Ramform Viking

Ramform Vanguard



Ramform Challenger

Ramform Explorer

Other vessels



PGS Apollo



Atlantic Explorer



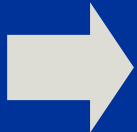
Pacific Explorer

2D

Nordic Explorer

Sanco Spirit

- Ramform fleet is improving further with 4 new Titan-class vessels
- GeoStreamer contributes to productivity leadership
- Industrialized approach to fleet renewal



Ramform productivity is a key differentiator



The Ultra High-end Segment: **Several Production Records**

- **Ramform S-class records**
 - **Monthly production record:** 3,056 sq.km acquired (12 streamers x 8,100 meters with 120m separation)
 - **Weekly production record:** 919 sq.km acquired
 - **Daily production record:** 143.6 sq.km acquired
 - **BP Ceduna 3D S Australia:** 12,030 sq.km in 186 days, 65 sq.km/day, remote and harsh environment
 - **Petrobras, Largest deployment ever:** 14 streamers x 8,100 meters with 50 meter separation – regular operations for almost 4 years
- **Ramform S and V-class** 17 streamer tow with 50 meter separation
- **Kwanza MC3D Angola, Ramform Valiant and PGS Apollo**
 - 25,500 sq.km in 470 days, 54 sq.km/day, remote and harsh environment
 - No recovery of streamers during project
 - No recordable safety incidents



Main Yard Stays Next 6 Months



Vessel	When	Expected Duration	Type of Yard Stay
<i>Ramform Sovereign</i>	Scheduled April 2013	Approximately 22 days	Renewal class
<i>Pacific Explorer</i>	Scheduled June 2013	Approximately 22 days	Renewal class



Attractive Debt Structure

Long term Credit Lines and Interest Bearing Debt	Nominal Amount as of December 31, 2012	Total Credit Line	Financial Covenants
USD 600 million Term Loan (“TLB”), Libor + 175 basis points, due 2015	USD 470.5 million		None, but incurrence test: total leverage ratio < 3.00:1
Revolving credit facility (“RCF”), Libor + 225 basis points, due 2015	Undrawn	USD 350 million	Maintenance covenant: total leverage ratio < 2.75:1
Japanese ECF, 12 year with semi-annual installments. 50% fixed/ 50% floating interest rate	Undrawn	USD 250 million	None
2018 Senior Notes, coupon of 7.375%	USD 450 million		None, but incurrence test : Interest coverage ratio > 2.0:1