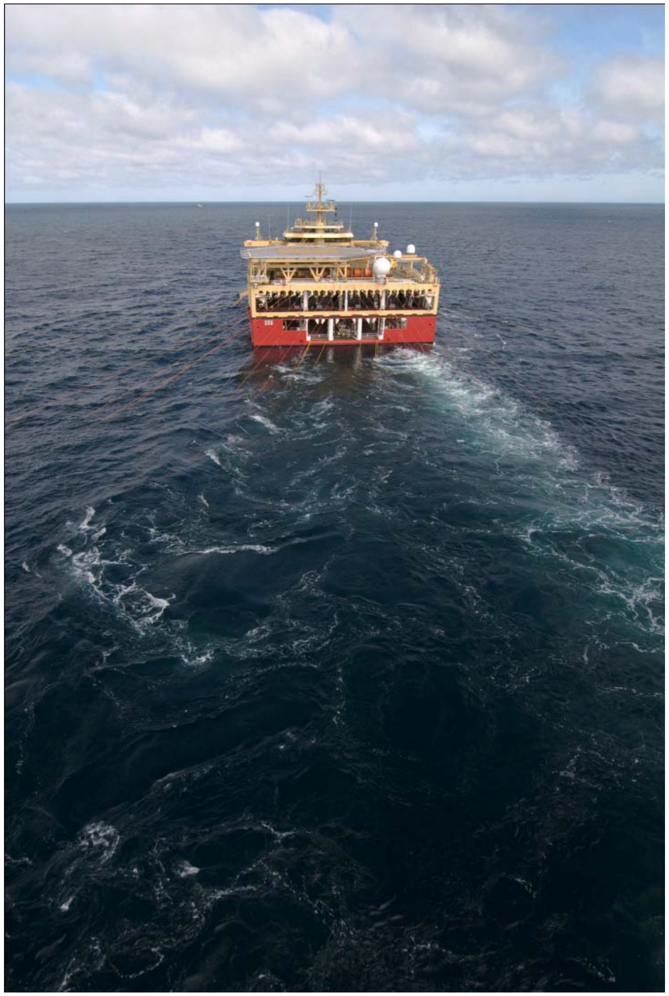
Unaudited Fourth Quarter and Preliminary Full Year 2011 Results

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 2011 results and the disclosures therein

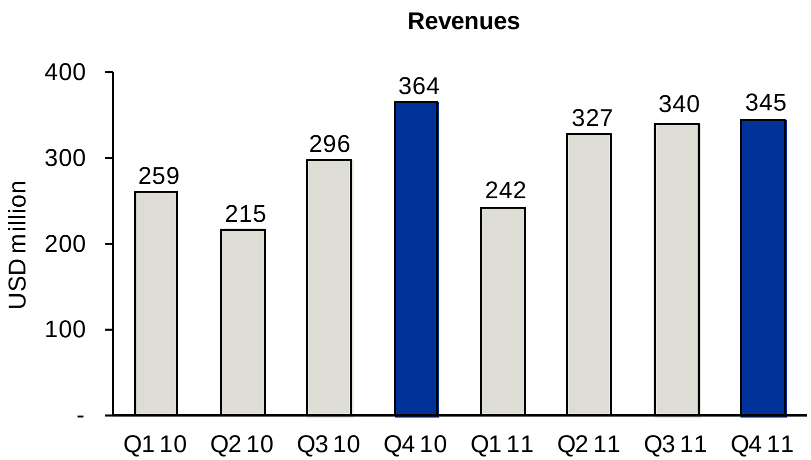
Strong MultiClient Trend Continues – Improved Contract Outlook

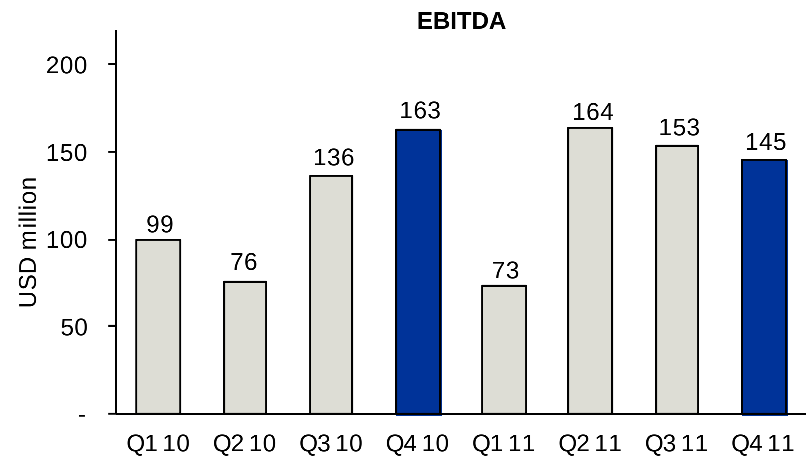


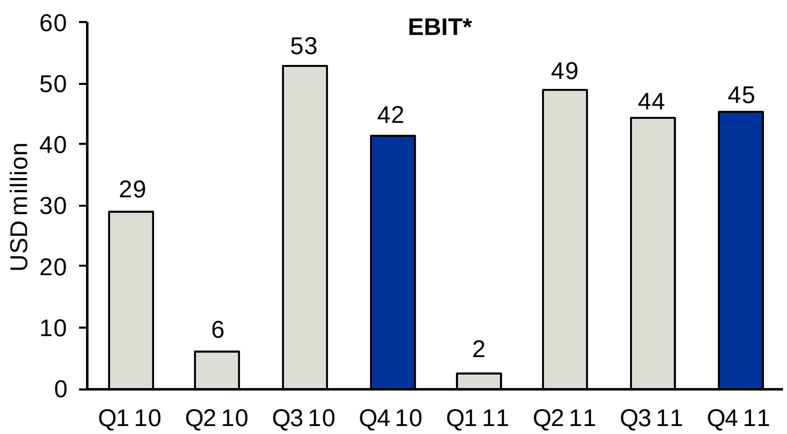
- Full year 2011 performance:
  - Strong EBITDA of USD 534.8 million
  - Record late sales of USD 278.3 million and total MultiClient revenues of USD 501.8 million
  - Overall EBIT of USD 138.7 million, a margin of 11%
  - Q4 2011 net income impacted by non cash financial and tax charges
- Launched GeoStreamer GS – the only ghost free acquisition solution
- Successfully issued USD 300 million Senior Notes at favorable terms, extending debt maturity
- Improved outlook for the Marine Contract market

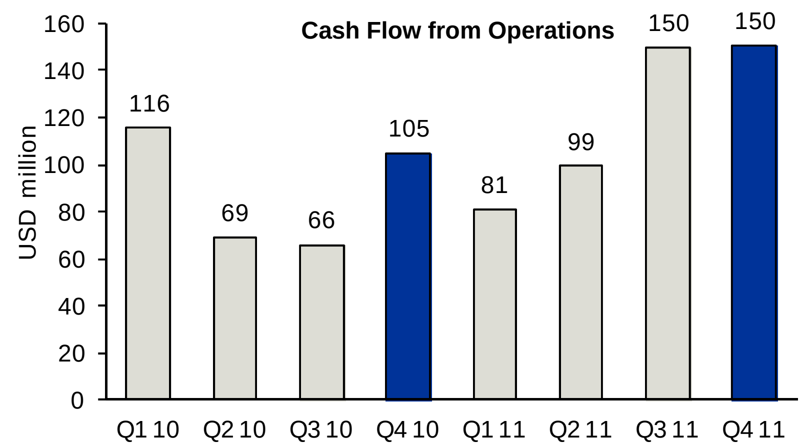
Profit improvement program on track

Financial Summary





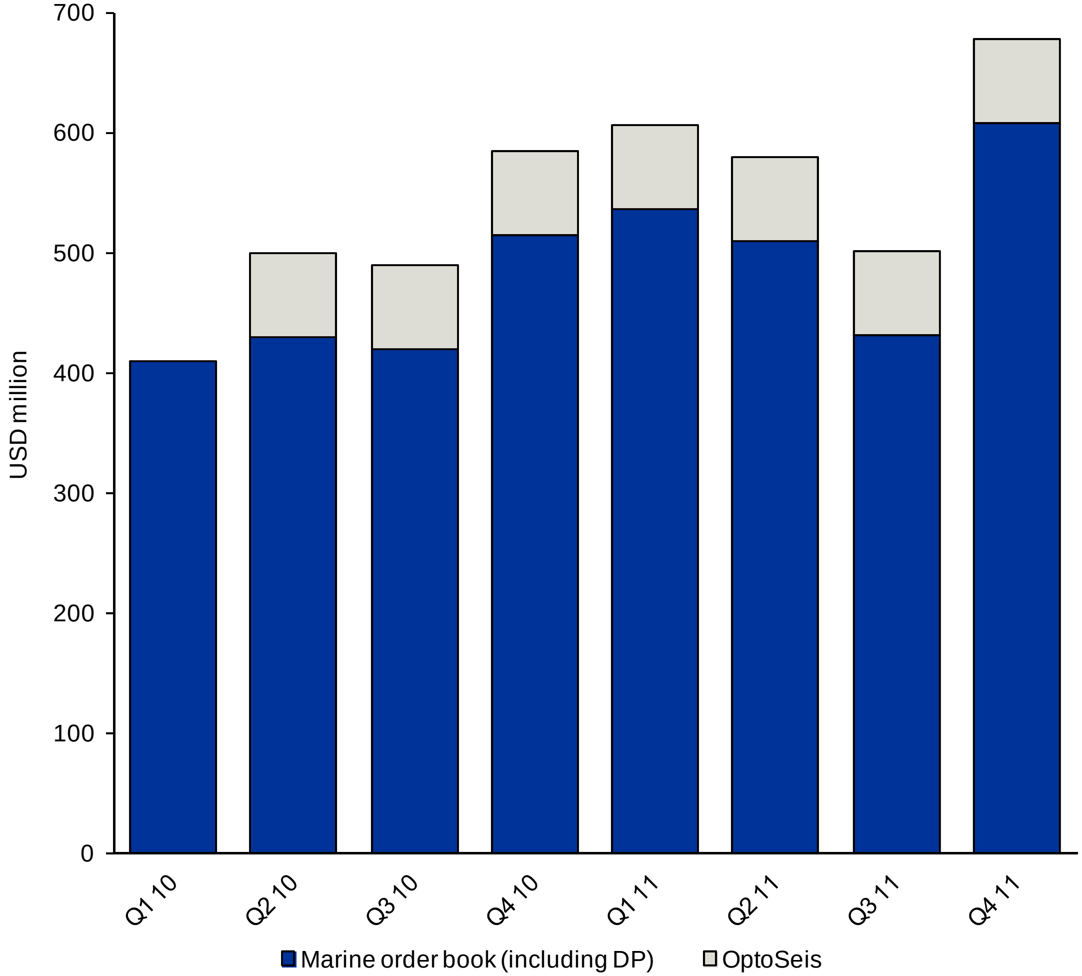




Graphs show numbers for PGS continuing business. Figures for prior periods have been restated due to change in accounting policy
*Excluding reversal of impairment of USD 1.3 million in Q4 2010 and excluding impairments of USD 2.6 million in Q4 2011, USD 79.9 million in Q3 2010 and USD 0.5 million in Q1 2010.

EBITDA, when used by the Company, means income (loss) before income tax expense less, currency exchange gain (loss), other financial expense, other financial income, interest expense, income (loss) from associated companies, other operating income, impairment of long-lived assets and depreciation and amortization.

Comfortable Visibility



- Order book of USD 678 million, fuelled by the large MultiClient project offshore Angola
- North Sea season firming up with expectations of a tight Marine Contract market
- Strong GeoStreamer momentum continues

Market activity has increased significantly

Petroleum Geo-Services ASA

Financials

Unaudited Fourth Quarter and Preliminary Full Year 2011 Results

Consolidated Statement of Operations Summary

USD million (except per share data)	Quarter ended December 31 2011	2010	% change	Full year 2011	2010	% change
Revenues	344.6	364.4	-5 %	1253.3	1135.1	10 %
EBITDA*	145.0	163.3	-11 %	534.8	475.4	12 %
Operating profit (EBIT)**	45.4	41.7	9 %	141.3	130.5	8 %
Operating Profit (EBIT) as reported	42.8	43.0	0 %	138.7	51.4	170 %
Net financial items	(30.2)	(7.5)	-303 %	(74.2)	(60.0)	-24 %
Income (loss) before income tax expense	12.5	35.5	-65 %	64.5	(8.6)	n/a
Income tax expense (benefit)	6.8	(3.2)	n/a	30.0	13.9	116 %
Net income to equity holders	5.5	36.8	-85 %	33.7	(14.0)	n/a
EPS basic	$0.03	$0.18	-83 %	$0.16	($0.07)	n/a
EPS diluted	$0.03	$0.18	-83 %	$0.15	($0.07)	n/a
EBITDA margin*	42.1 %	44.8 %		42.7 %	41.9 %	
EBIT margin	13.2 %	11.4 %		11.3 %	11.5 %	

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**Excluding impairment of long-lived assets

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 2011 results released on February 20, 2012.

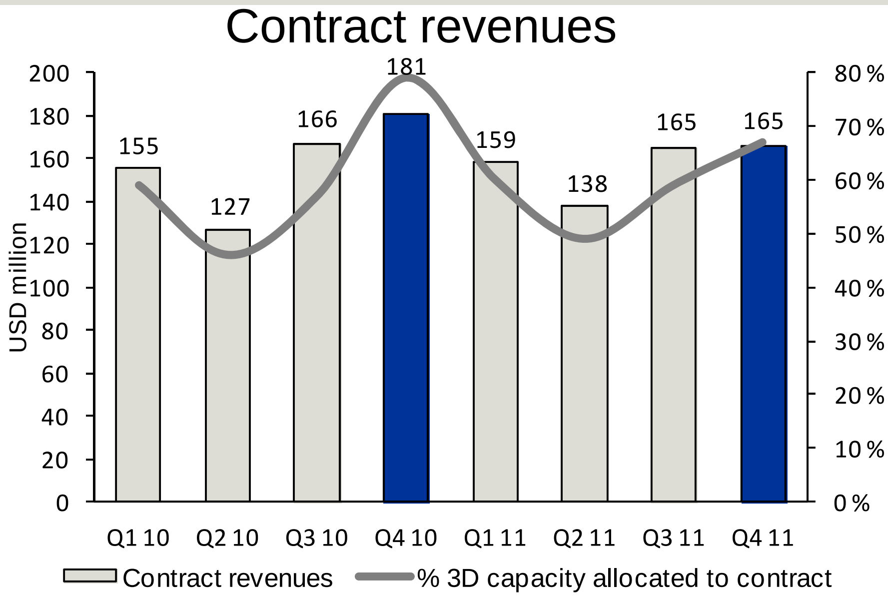
Non-cash Financial and Tax Charges

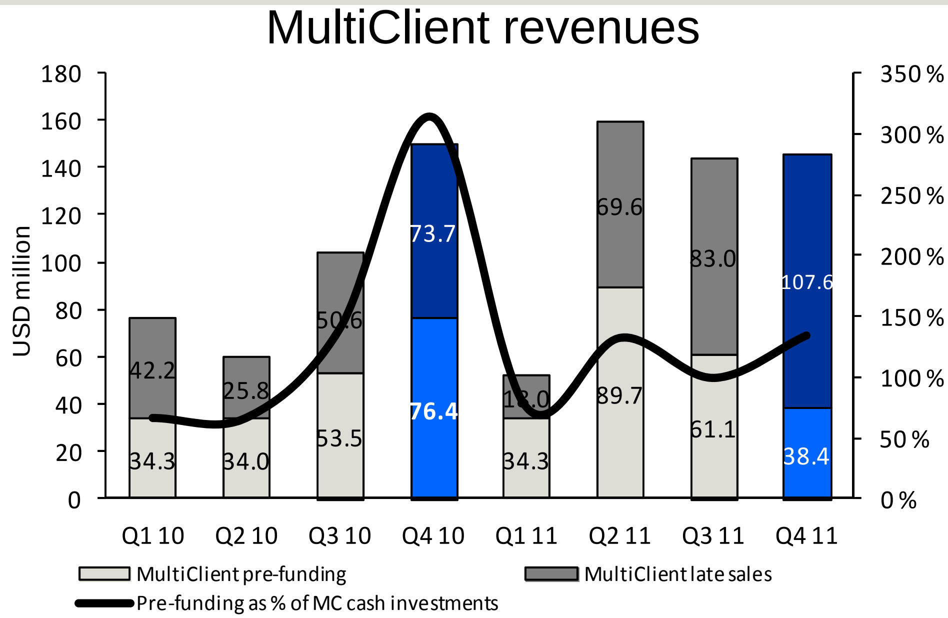
- Net financial items impacted by:
  - USD 9.6 million of unrealized loss on investments available for sale
  - USD 4.8 million loss from associated companies. PGS' 45% share of expensed exploration cost of Azimuth Ltd.*) represents half of this amount
  - USD 3.4 million accounting loss related to repurchase of USD 102.5 million of convertible notes
  - USD 2.6 million fair value adjustment of derivatives (primarily related to SeaBird debt restructuring)

- Q4 tax expense of USD 6.8 million, 66% reported tax rate
  - Impacted by foreign currency translation
  - Full year 2011 tax expense of USD 30.0 million. Primarily deferred tax with current tax expense of only USD 1.2 million

*) In Q3 2011 PGS participated in the establishment of the E&P focused investment company Azimuth. PGS owns 45% of Azimuth and has a cooperation agreement whereby PGS provides certain services to Azimuth and whereby Azimuth is invited to acquire any future equity settlement that PGS may receive as payment for library or services.

Q4 2011 Highlights





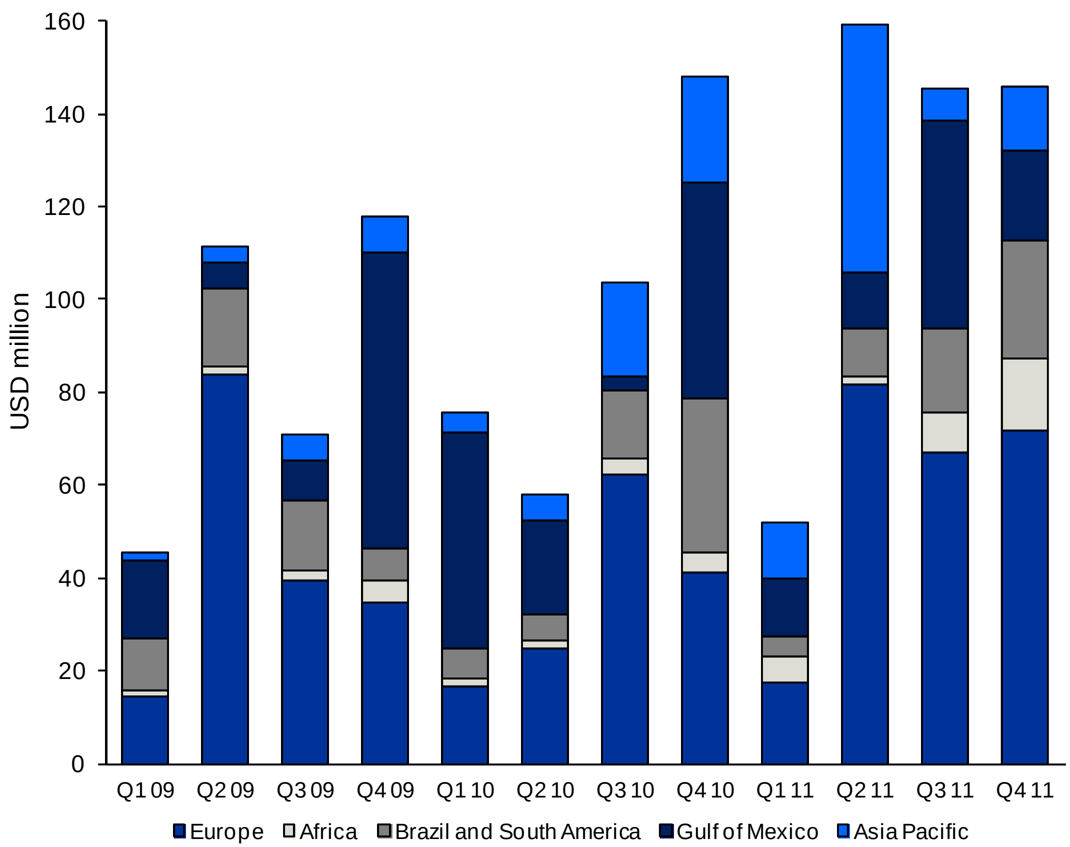
- Strong MultiClient revenues of USD 146.0 million
  - Record quarterly late sales revenues of USD 107.6 million
  - Pre-funding as % of MultiClient cash investments of 134%

- Contract revenues negatively impacted by weak operational performance, as communicated earlier
  - Full year Marine Contract EBIT margin of 4%

- External Data Processing revenues of USD 29.8 million, compared to USD 30.8 million in Q4 ’10

MultiClient Revenues per Region

Pre-funding and Late Sales Revenues Combined

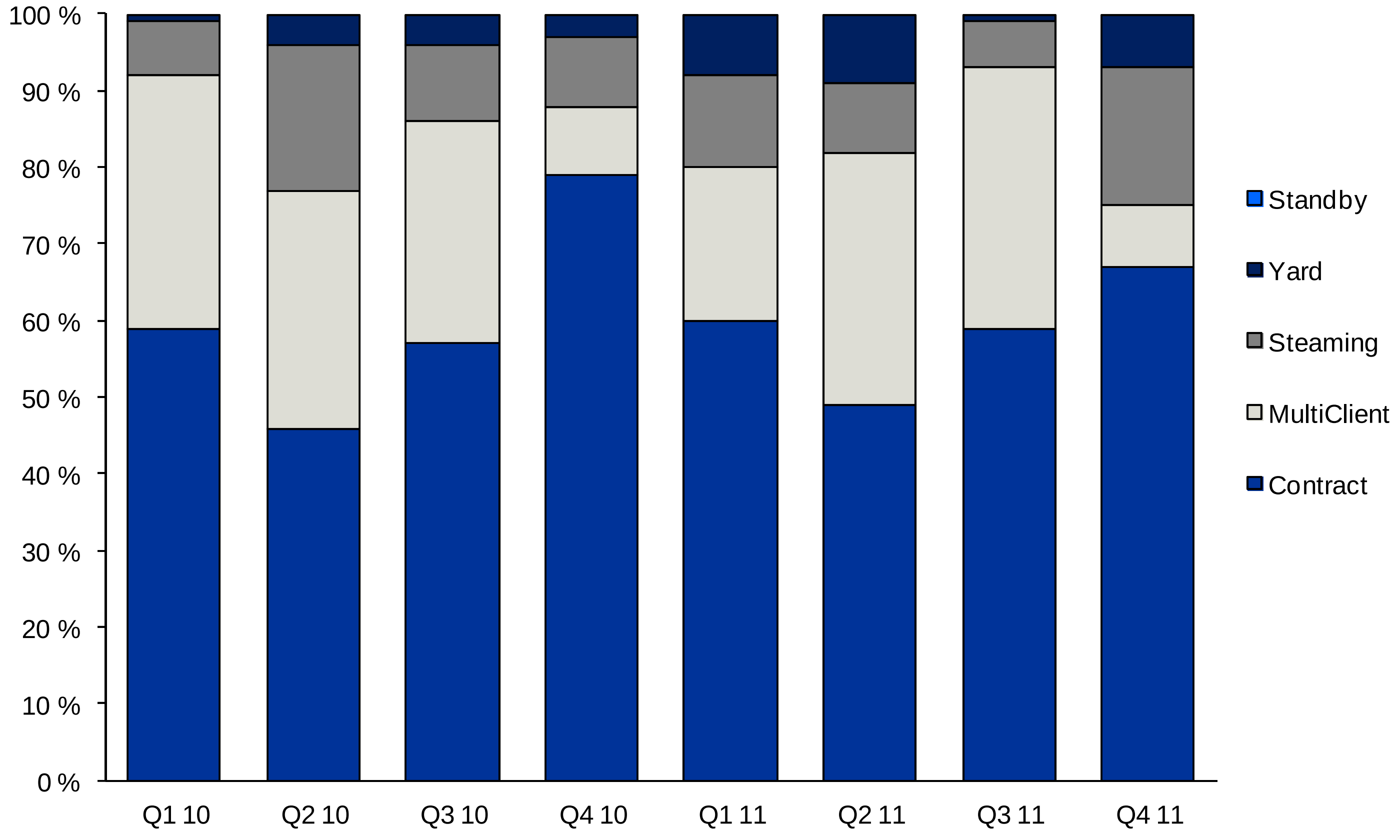


- Strong Q4 late sales across all main areas with the exception of Asia Pacific
  - Eastern Mediterranean and North Europe both exceeding USD 20 million
- Pre-funding revenues were primarily fuelled by MultiClient projects in North Europe and Eastern Mediterranean
- Pre-funding for the full year 2011 ended at 110% of capitalized cash investment

8% of total vessel time was used for MultiClient in Q4 2011

Vessel Utilization

Seismic Streamer 3D Fleet Activity in Streamer Months



75% active vessel time in Q4 2011

Key Operational Figures

USD million	2011 Q4	2011 Q3	2011 Q2	2011 Q1	2010 Q4	2010 Q3	2010 Q2	2010 Q1
Contract revenues	165.4	164.9	138.1	158.6	180.6	166.3	126.8	155.4
MultiClient Pre-funding	38.4	61.1	89.7	34.3	76.4	53.5	34.0	34.3
MultiClient Late sales	107.6	83.0	69.6	18.0	73.7	50.6	25.8	42.2
Data Processing	29.8	27.5	25.5	27.2	30.8	24.6	24.9	23.2
Other	3.4	3.3	3.7	4.0	2.9	1.4	3.5	4.3
Total Revenues	**344.6**	**339.9**	**326.6**	**242.2**	**364.4**	**296.4**	**214.9**	**259.4**
Operating cost	(199.6)	(186.7)	(163.0)	(169.3)	(201.1)	(160.0)	(138.5)	(160.0)
EBITDA	**145.0**	**153.2**	**163.6**	**72.9**	**163.3**	**136.4**	**76.4**	**99.4**
Other operating income		4.4						
Depreciation	(48.0)	(41.4)	(33.8)	(37.7)	(43.9)	(33.9)	(36.6)	(32.9)
MultiClient amortization	(51.7)	(71.8)	(80.8)	(32.7)	(77.8)	(49.3)	(34.1)	(36.5)
EBIT*	**45.4**	**44.5**	**49.0**	**2.5**	**41.7**	**53.2**	**5.7**	**30.0**
CAPEX	(47.2)	(40.9)	(110.5)	(81.3)	(61.0)	(56.9)	(52.7)	(48.0)
Cash investment in MultiClient	(28.5)	(61.5)	(68.4)	(45.6)	(24.3)	(38.6)	(51.7)	(52.1)
Order book	**678**	**501**	**579**	**606**	**584**	**489**	**499**	**409**

*Excluding impairment reversal of USD 1.3 million in Q4 2010 and excluding impairments of long-lived assets of USD 2.6 million in Q4 2011, USD 79.9 million in Q3 2010, USD 0.5 million in Q1 2010.
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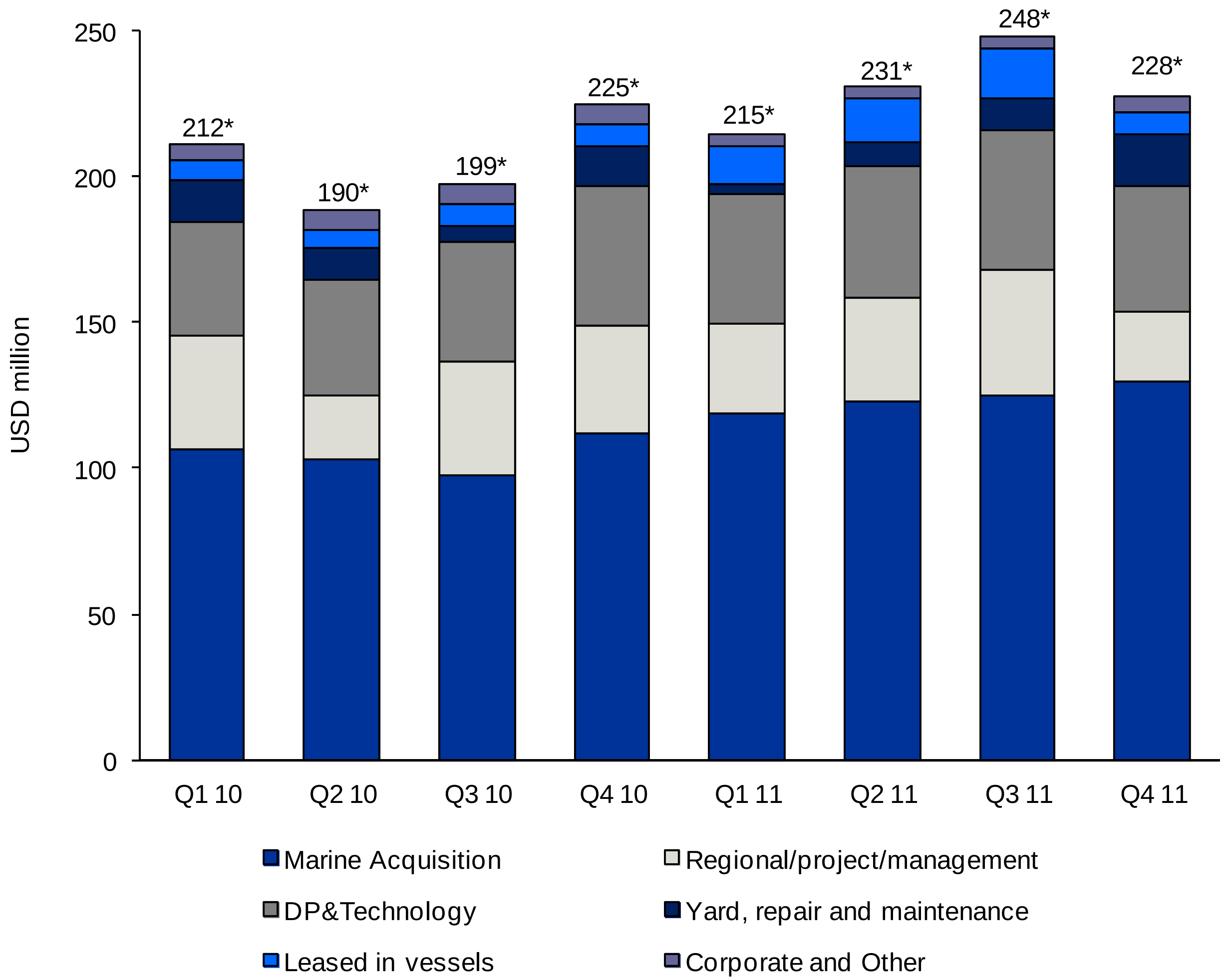
Group Cost* Development



- The chartered vessel *Harrier Explorer* returned to SeaBird in Q4
- Reduced Regional/project/ management cost due to deferred steaming cost
- Increased marine acquisition costs primarily relating to more vessel repair and maintenance
- Profit improvement program on schedule

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

Consolidated Statement of Cash Flows Summary

USD million	Quarter ended December 31 2011	Quarter ended December 31 2010	Full year 2011	Full year 2010
Cash provided by operating act.	150.5	105.4	480.4	355.5
Investment in MultiClient library	(28.5)	(24.3)	(203.9)	(167.9)
Capital expenditures	(51.7)	(61.0)	(299.1)	(223.5)
Other investing activities	7.7	(9.8)	(68.9)	250.0
Financing activities	169.9	254.3	83.7	92.5
Net increase (decr.) in cash and cash equiv.	**247.8**	**264.6**	**(7.8)**	**306.6**
Cash and cash equiv. at beginning of period	176.9	168.0	432.6	126.0
Cash and cash equiv. at end of period	**424.7**	**432.6**	**424.7**	**432.6**

- Strong cash flow from operating activities
  - Improved working capital in Q4 2011
- USD 169.9 million from Q4 financing activities includes USD 288.0 million of net proceeds from Notes issue in November and USD 101.5 million used for repurchase of convertible notes

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Strong Balance Sheet Position - Key Figures

	Quarter ended December 31	
USD million	2011	2010
Total assets	3 137.2	3 035.0
MultiClient Library	334.1	310.8
Shareholders' equity	1 771.7	1 755.3
Cash and cash equiv.	424.7	432.6
Restricted cash	93.7	71.2
Liquidity reserve	774.7	777.9
Gross interest bearing debt *	954.5	790.2
Net interest bearing debt	394.2	279.2

*Includes capital lease agreements

The Board of Directors expect to recommend to the Annual General Meeting a dividend for the financial year 2011 of approximately USD 40 million

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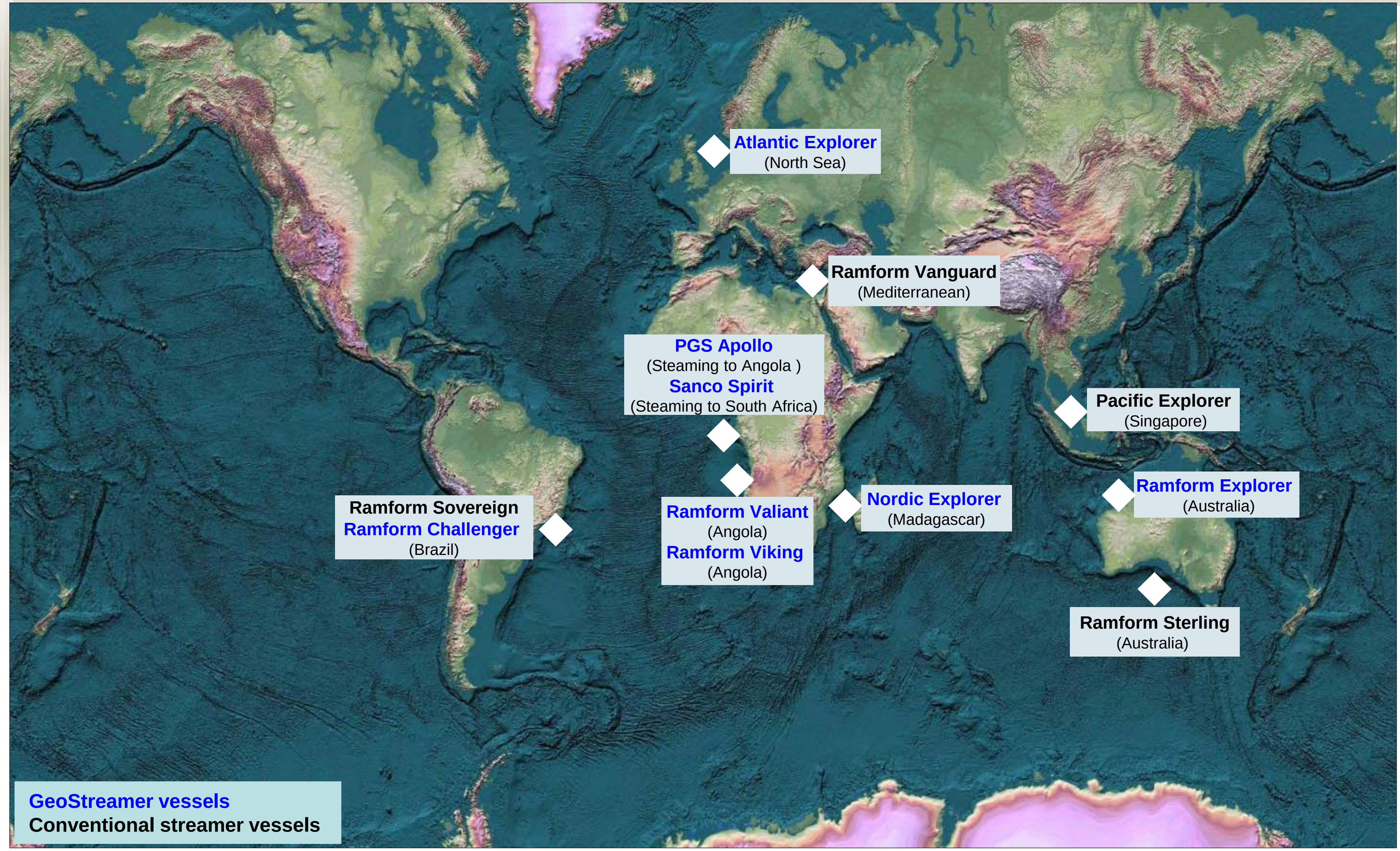
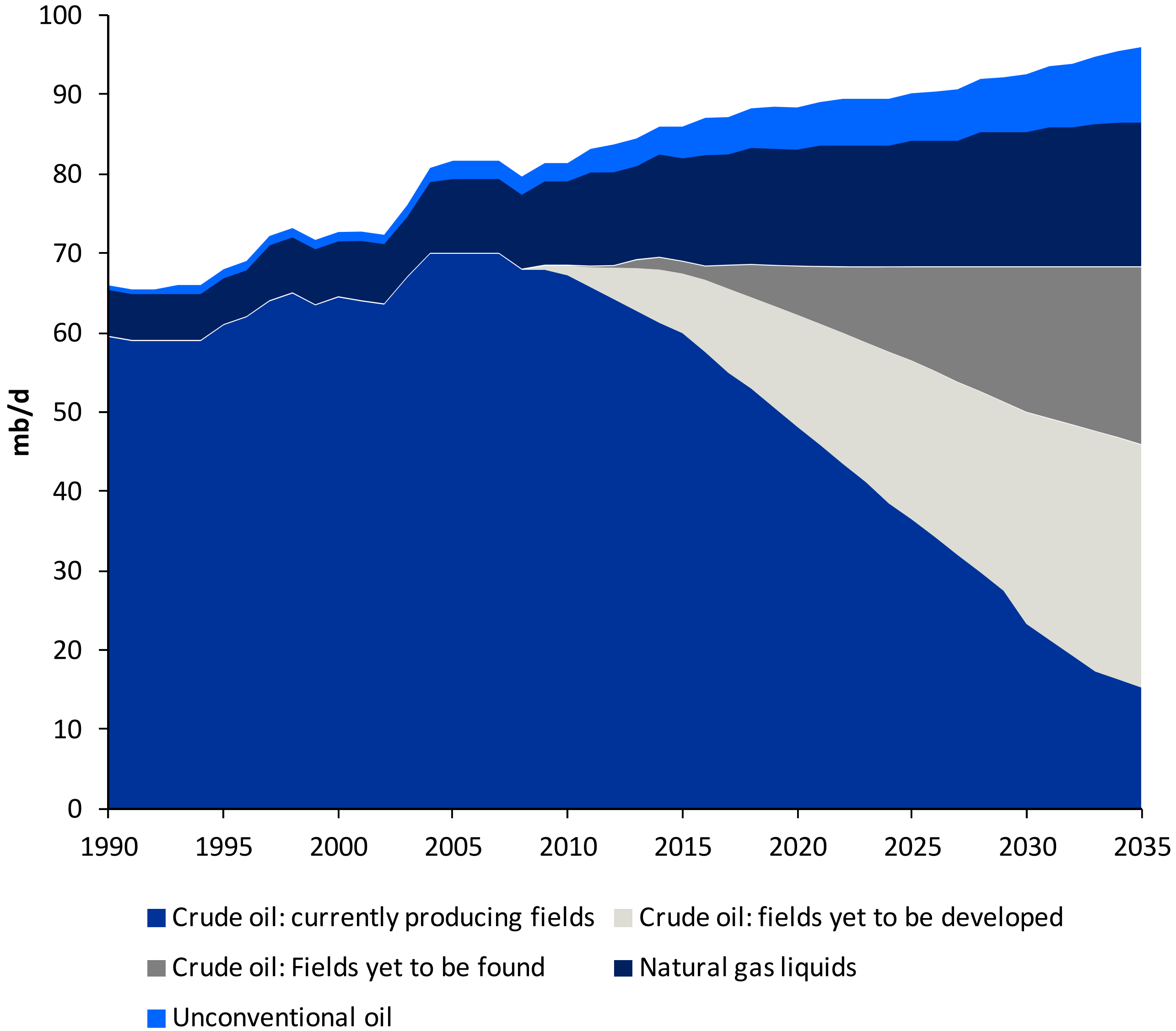
Operational Update and Market Comments

Streamer Operations February 2012



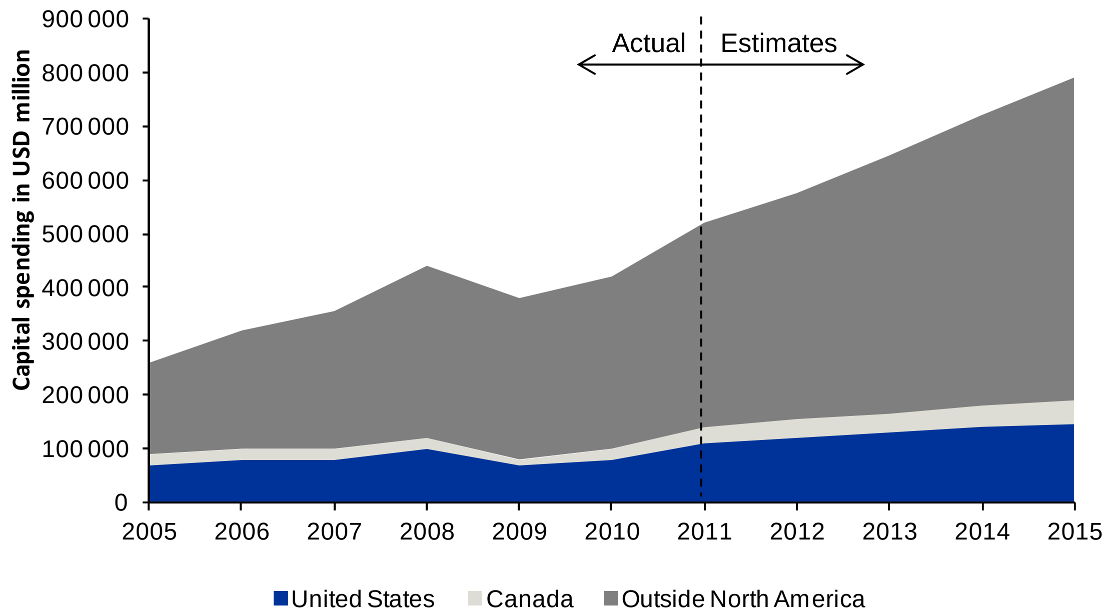
Robust Future Demand for Oil and Gas

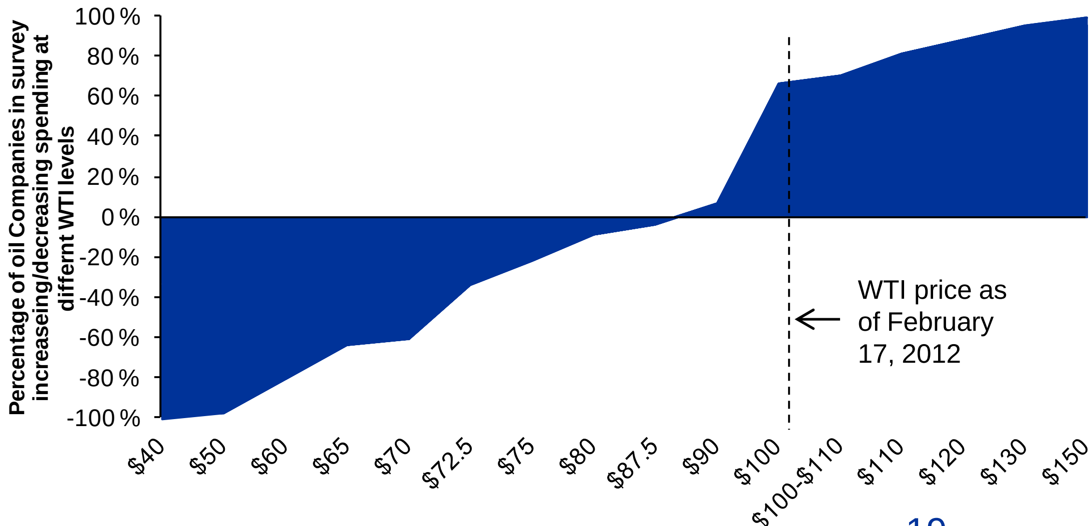


- Oil and gas will continue to be an important source of energy
- Oil production gap will increase dramatically – seismic will be important to find and develop new fields

Source: IEA, oil production in the New Policies Scenario.

Exploration and Production Spending Continues to Grow

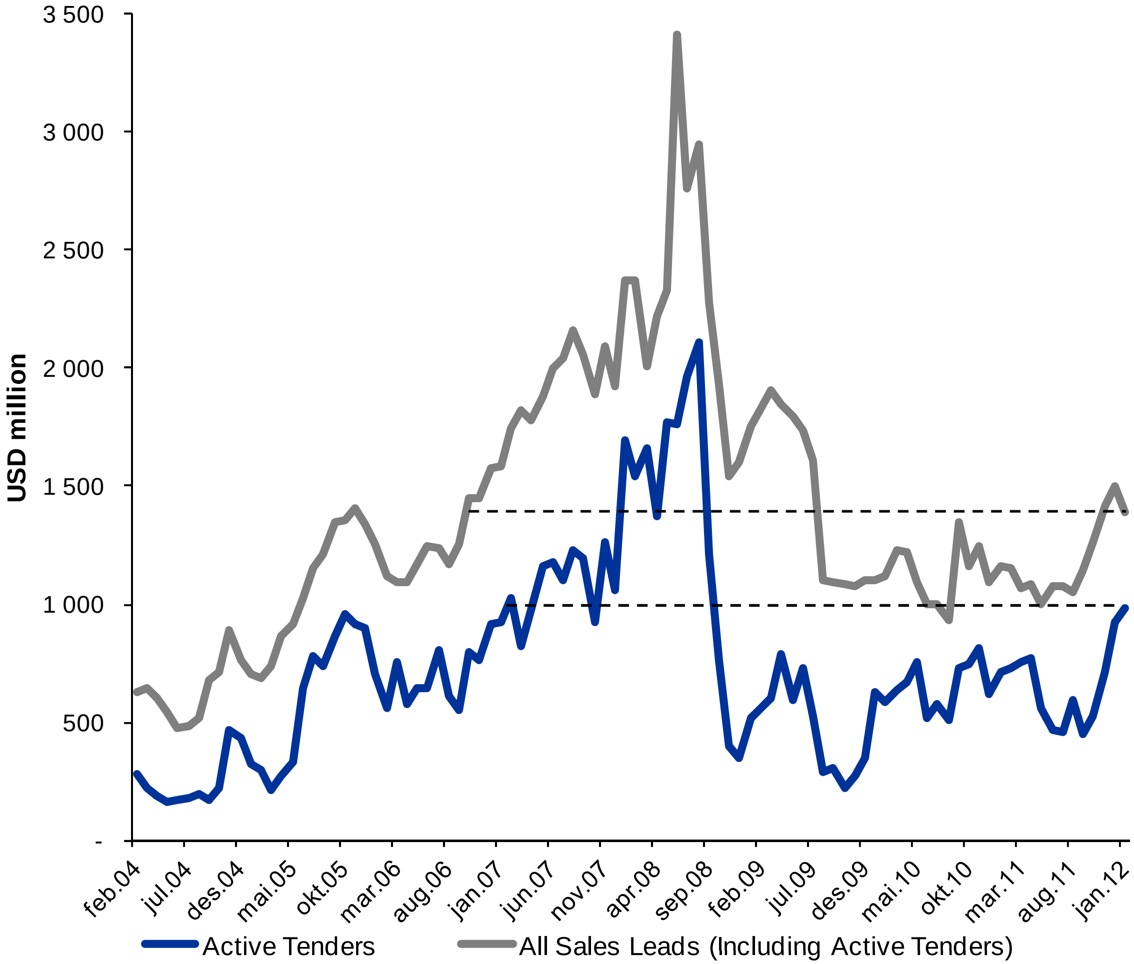




- Global E&P spending is expected to approach USD 600 billion in 2012, a 10% increase vs. 2011
- E&P spending, including seismic spending, correlates with oil price development

Source: All graphs and data points from Barclays Capital Global 2012 E&P Spending Outlook

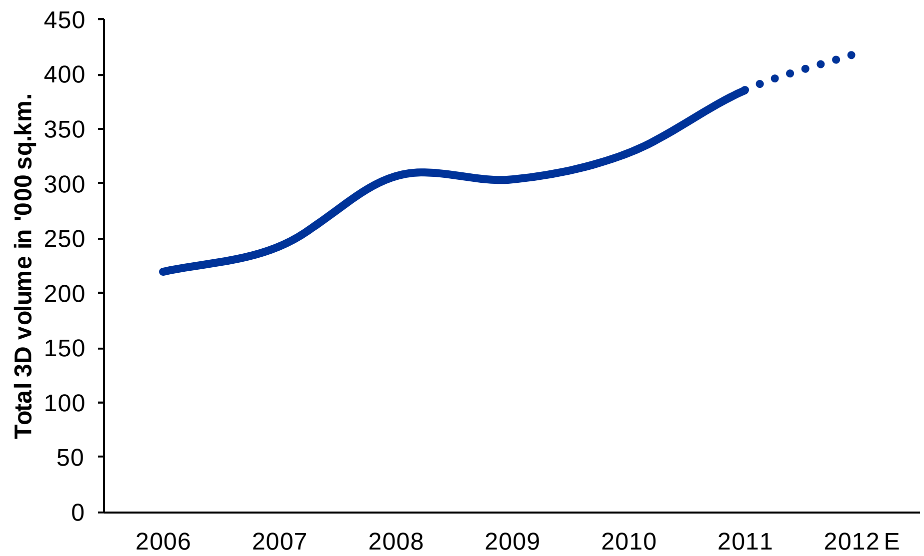
Sharp Increase in Market Activity

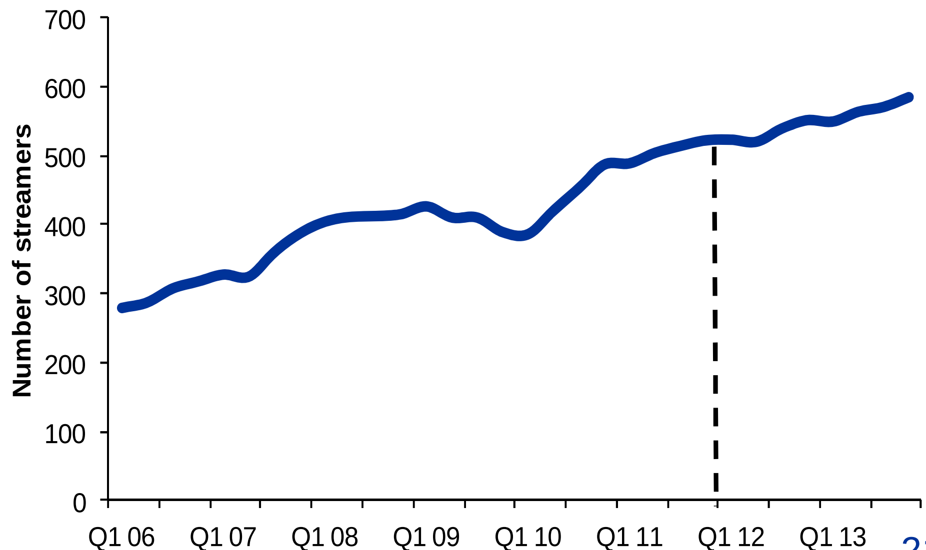


- Current tender activity similar to early 2007 level
- Increase driven by contract work in Baffin Bay, Greenland, North Sea and Barents Sea
- Current bid volumes indicate a tighter marine contract market in 2012
- Strong GeoStreamer interest

Source: PGS internal estimate as of end January 2012. Value of active tenders and sales leads are the sum of active tenders and sales leads with a probability weight and represents Marine 3D contract seismic only.

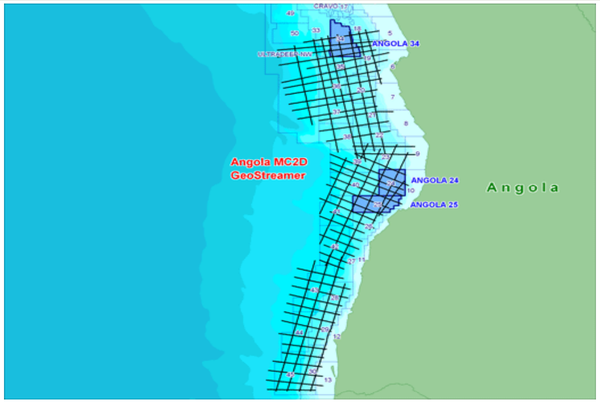
Healthy Growth in Demand for Seismic

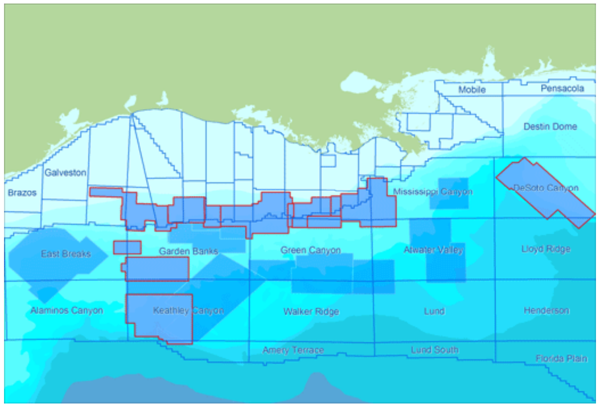




- From 2006 to end 2011 demand for seismic has grown by more than 70% measured in sq.km.
  - HD3D is growing quicker than the general market
- Growth in '12 is expected to be in excess of 10%
- Expected capacity increases
  - 6% increase in 2012
  - 6% increase in 2013

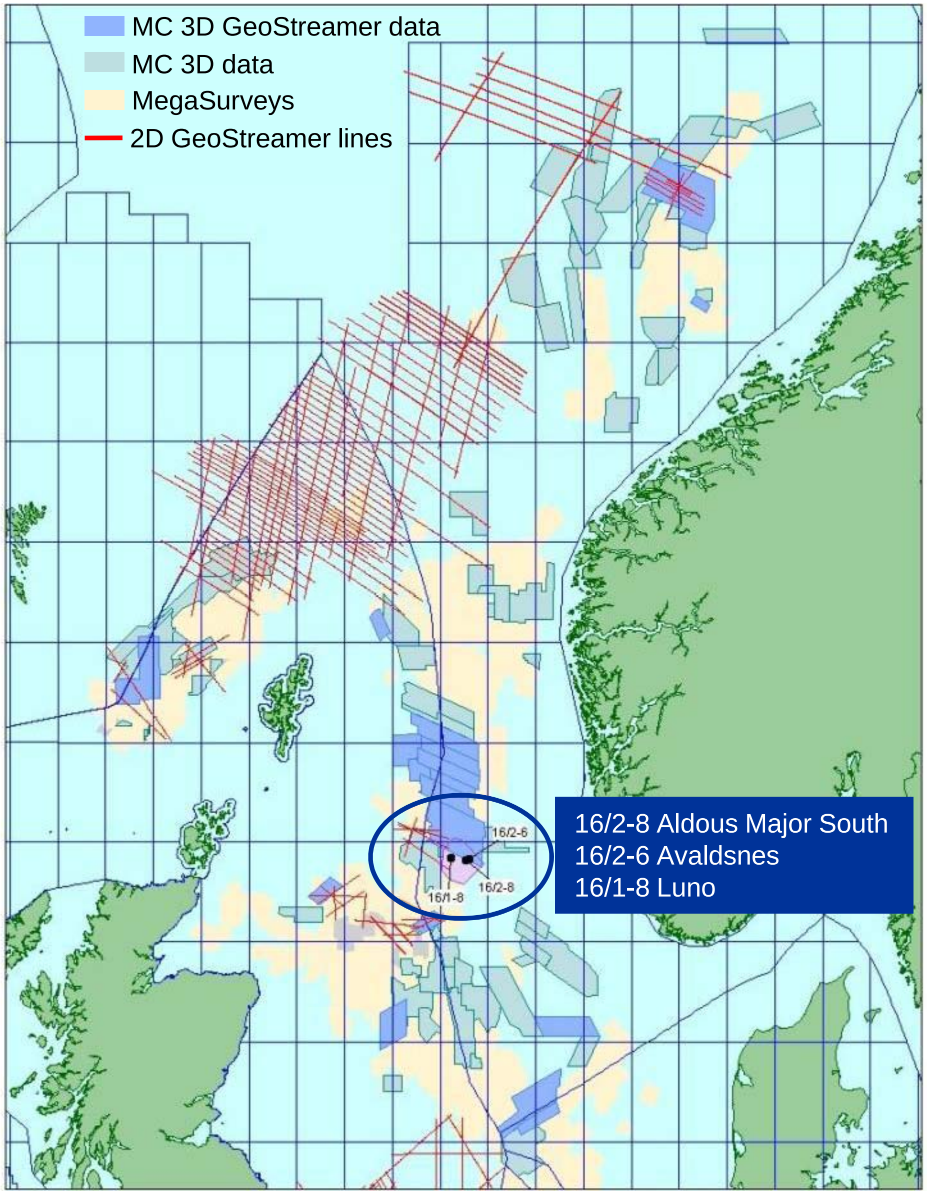
Four Basins Driving 2012 Demand Growth





- **The North Sea:** Major discoveries in 2011 positive for the 2012 season
  - Higher prices being achieved
- **Angola:** Production Sharing Contracts (“PSC”) signed
  - Significant seismic activity in pre-salt regions
- **Gulf of Mexico:** All major seismic companies have been awarded seismic permits
  - Central lease sale scheduled for June 20, 2012
- **Brazil:** Currently good activity
  - Launch of license round 11 expected to increase interest further

PGS - Proactive Allocation to MultiClient and Contract



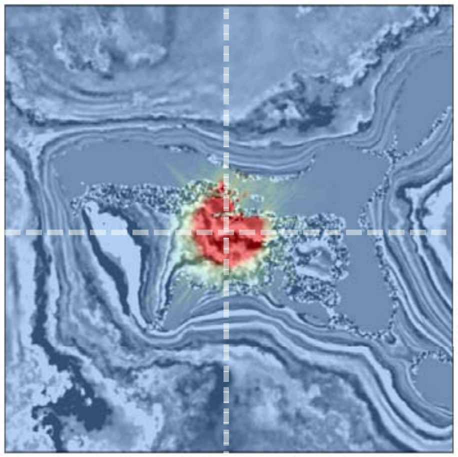
- MultiClient margin is less volatile over the cycle compared to contract work
- PGS seeks to optimize profitability
  - More Marine Contract in a strong market
  - More MultiClient in a weak market
  - MultiClient pre-funding target is 80-120%
- Internal pull for capacity where margin and cash flow get priority

An Industrialized Player in a Growing and Maturing Market

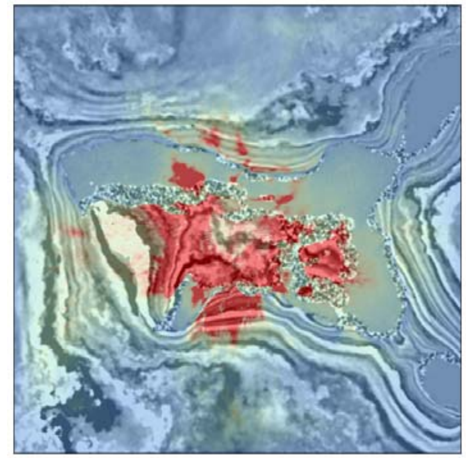
- Conservative balance sheet with ability to handle all market conditions
  - Ability to invest in technology, library and capacity through the cycle
  - Ability to pay dividend
- A cost efficient and modern fleet that attracts customers and delivers profitability
- Differentiation through technology

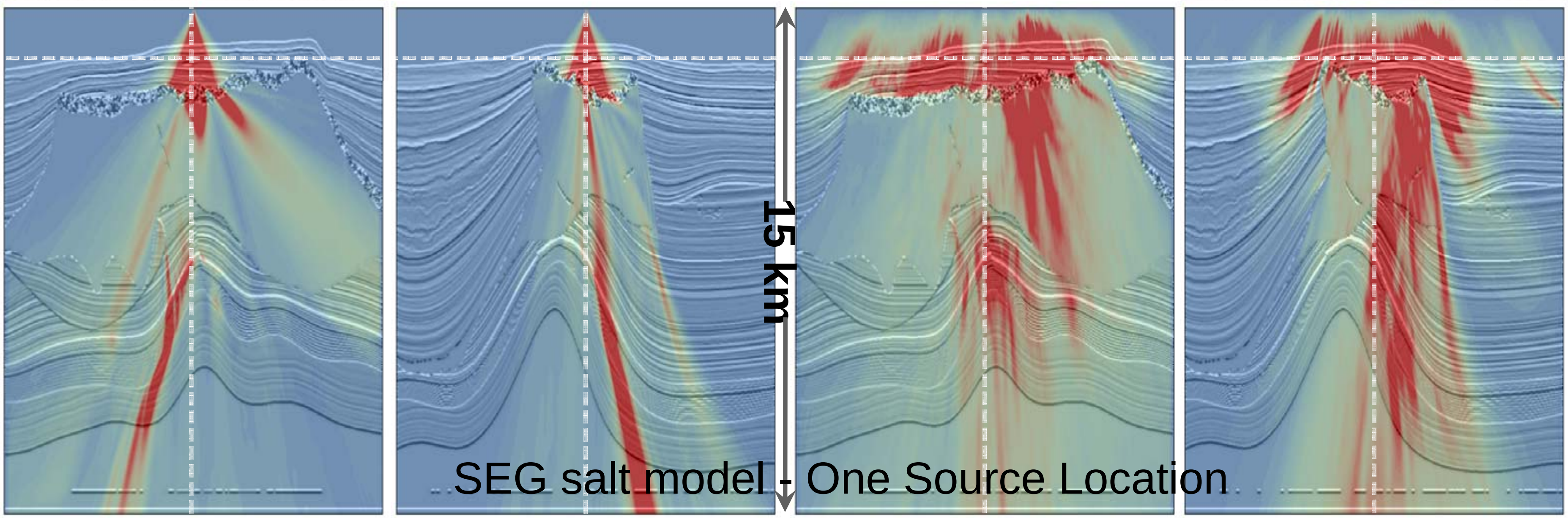
Competitively Positioned – Performance Through the Cycle

Imaging with Primaries and Multiples
– A New World for Processing



- Using Up and Down going wavefields will lead to radical improvements in
  - sub-surface imaging
  - quality and accuracy improvements for modeling reservoir parameters





Illumination by Primaries

Illumination by Multiples

2012 Guidance

- EBITDA in the range of USD 650-700 million
  - Corresponding to a Marine Contract EBIT margin in the range of 10-15%
- MultiClient cash investments in the range of USD 300-325 million
  - Pre-funding level above 100%
  - Approximately 40% of effective 3D streamer capacity allocated to MultiClient
- Capital expenditures in the range of USD 350-400 million
  - Of which approximately USD 200 million to new build program

In Conclusion:

- Q1 2012 will be challenging due to steaming, idle time for low-end vessel and weak pricing
- Bidding activity has increased sharply
- Comfortable backlog
- Higher prices achieved in the North Sea
  - Spill over to other markets expected
- Differentiation increasingly important
  - Data quality
  - Productivity
- Strong GeoStreamer demand

Unaudited Fourth Quarter and Preliminary Full Year 2011 Results

Appendix:
Continuously Ahead of Competition

1992 - 1996

1998 - 1999

2007 - 2009

2012 - 2014

Competition

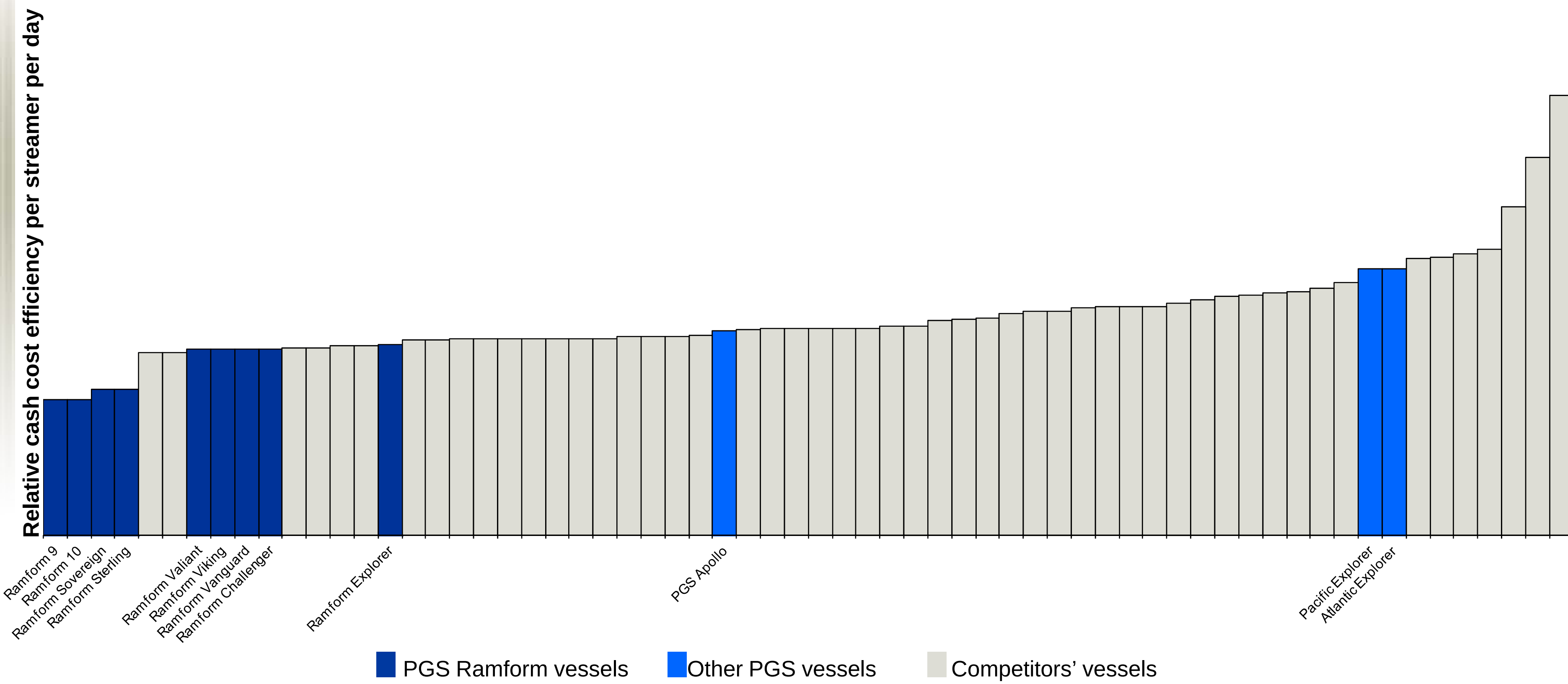
PGS

Improved safety and cost efficiency

More streamers, longer streamers and wider & denser streamer spreads

HD3D market growth and GeoStreamer demand

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

5th Gen

2 ordered & option on 2 more

S-class

Ramform Sterling

Ramform Sovereign

V-class

Ramform Valiant

Ramform Viking

Ramform Vanguard

Ramform Challenger

Ramform Explorer

Conventional

PGS Apollo

Atlantic Explorer

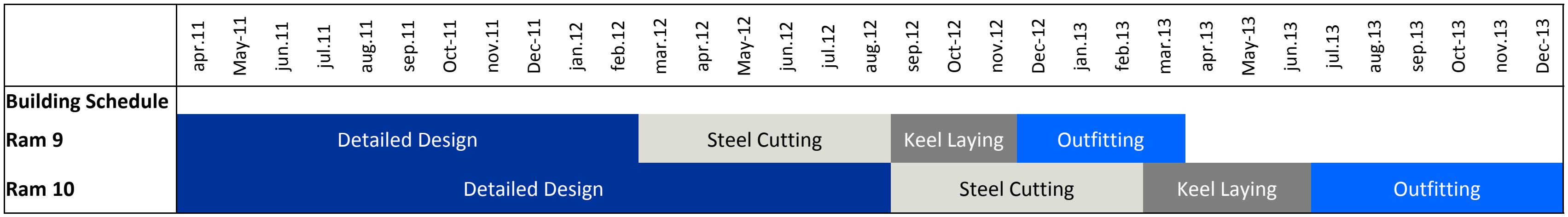
Pacific Explorer

2D

Nordic Explorer

Sanco Spirit

5th Generation Ramform – Delivery & Instalments



- Both vessels on budget and on time
- Payment schedule:

2011	2012	2013
USD 50M	USD 200M	USD 250M

Vessel New Build Options Decision Criteria

- Attractive return on capital is the key criteria
- Dividend capacity going forward
- Financing capacity and leverage ratio
- View on the market
- Vessel replacement program
- Ship yard capacity and pricing going forward
- Options have to be called mid-April 2012

Main Yard Stays Next 6 Months

Vessel	When	Expected Duration	Type of Yard Stay
Pacific Explorer	January-February 2012	23 days	Maintenance
Ramform Vanguard	Scheduled April-May 2012	Approximately 26 days	Intermediate class and installation of GeoStreamer.
Ramform Explorer	Q1 2012	Out of operations for approximately 2.5 weeks	Propulsion system repair

Robust Financing with Good Maturity Profile

Long term Credit Lines and Interest Bearing Debt	Nominal Value Outstanding as of December 31, 2011	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
USD 300 million Senior Note, coupon of 7.375%, due 2018	USD 300 million		None, but incurrence test : Interest coverage ratio > 2.0:1
USD 400 million convertible bond due 2012, coupon of 2.7% with strike NOK 216.19	USD 190.6* million		None

*USD 102.5 million nominal value bought back in Q4 at an average price of 99% of par value. Since carrying value in the balance sheet is approximately 96% of par, repurchases at 99% will result in an accounting loss of approximately 3% of the nominal value bought back.