



Presentation of the 1st Quarter 2009 Results

May 7th 2009

A webcast of this presentation is available at www.tgsnopec.no

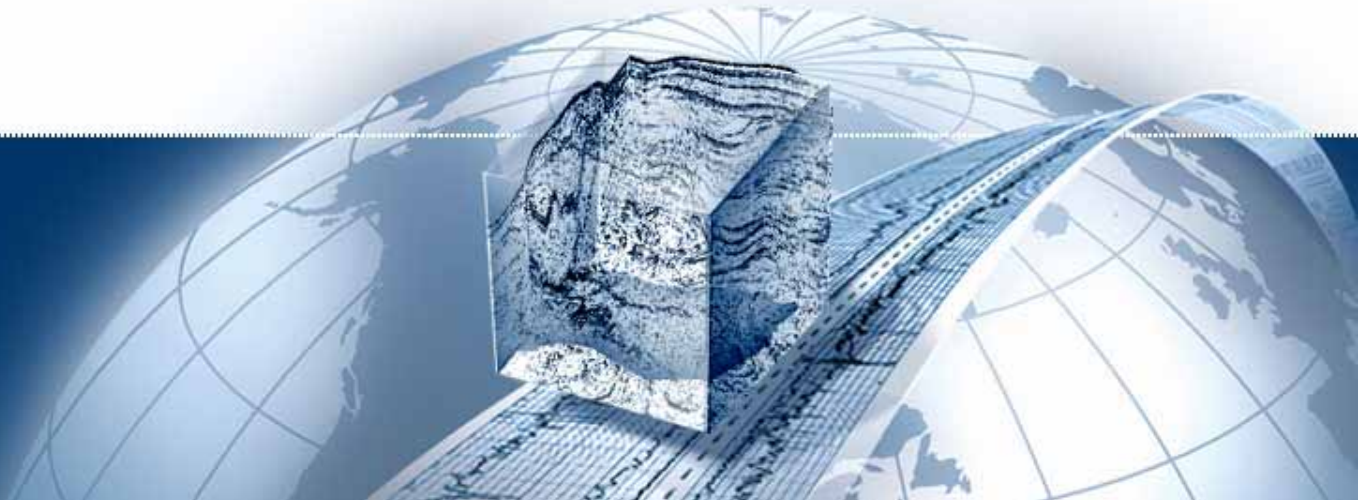
Arne Helland
Chief Financial Officer

Robert Hobbs
Chief Operating Officer

Hank Hamilton
Chief Executive Officer



TGS-NOPEC Geophysical Company



Forward-Looking Statements

All statements in this presentation other than statements of historical fact, are forward-looking statements, which are subject to a number of risks, uncertainties, and assumptions that are difficult to predict and are based upon assumptions as to future events that may not prove accurate. These factors include TGS' reliance on a cyclical industry and principle customers, TGS' ability to continue to expand markets for licensing of data, and TGS' ability to acquire and process data products at costs commensurate with profitability. Actual results may differ materially from those expected or projected in the forward-looking statements. TGS undertakes no responsibility or obligation to update or alter forward-looking statements for any reason.

Q1 2009 Financial Highlights

- Net Late Sales 29.9 MUSD, down 47% from Q1 2008
- Net prefunding USD 34.5 MUSD, up 17% from Q1 2008 covering 54% of operational Investments (63.6 MUSD, up 4% from Q1 2008)
- Proprietary Revenues down 67% to 6.4 MUSD from 19.6 MUSD in Q1 2008 due to no seismic proprietary acquisition activity
- Consolidated Net Revenues totaled USD 70.8, down 33% from USD 105.2 Q1 2008
- Multi-client amortization rate 51% due to high EP and low LP
- EBIT Margin reported at 28%
- Consolidated tax rate 37% due to currency gains in NOK by Parent Co.

Q1 2009 PROFIT & LOSS (MUSD)

	Q1 2009	Q1 2008	Change	%
Net Operating Revenues	70.8	105.2	(34.5)	-33%
Materials	0.4	9.6	(9.2)	-96%
MC Amortization	51% 32.6	27.0	5.6	21%
Gross Margin	37.8	68.6	(30.8)	-45%
Other Operating Expenses	15.1	19.0	(3.9)	-21%
Cost of Stock Options	0.7	0.7	(0.0)	-3%
Depreciation	2.2	2.2	(0.0)	-2%
Operating Profit	28% 19.8	46.6	(26.8)	-58%
Net Financial Items	1.2	(3.6)	4.8	-133%
Pre-tax Profit	30% 21.0	43.0	(22.0)	-51%
Taxes	7.8	14.0	(6.1)	-44%
Net Income	19% 13.2	29.0	(15.8)	-55%
EPS, undiluted	0.13	0.28	(0.15)	-54%
EPS, fully diluted	0.13	0.28	(0.15)	-54%

Q1 2009 CASH FLOW

	Q1 2009	Q1 2008
Payments from Sales Received	130.1	198.0
Operational Costs Paid	(20.9)	(25.4)
Gain/(Loss) from Currency Exchange	(0.5)	(3.8)
Taxes Paid	(12.8)	(17.2)
Operational Cash Flow	95.9	151.6
Investments in Fixed Assets	(1.6)	(2.0)
Investments in Multi-Client	(48.6)	(73.9)
Other items	34.5	(10.6)
Net Change in Cash	80.3	65.1

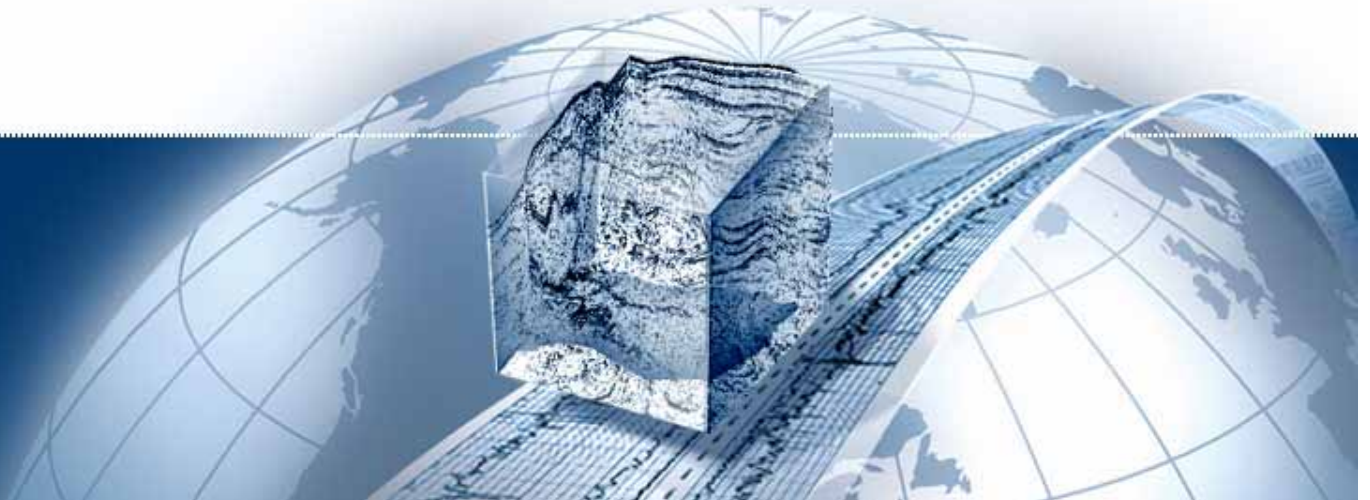
Balance Sheet – Key Figures

	3/31/2009	%	12/31/2008	%
Assets				
Cash	228.6	25%	148.3	16%
Investments Available for Sale	46.5	5%	51.1	5%
Other Current Assets	163.7	18%	298.1	31%
Total Current Assets	438.9	48%	497.5	52%
Intangible Assets & LT Receivables	95.1	10%	99.1	10%
MC Library	366.0	40%	335.0	35%
Fixed Assets	19.7	2%	22.7	2%
Total Assets	919.6	100%	954.3	100%
Liabilities				
Short-term debt	44.9	5%	42.9	4%
Current Liabilities	143.1	16%	194.7	20%
Long-term loans	0.0	0%	0.0	0%
Deferred Tax Liability	56.1	6%	55.7	6%
Equity	675.5	73%	661.1	69%

Multi-Client Library



TGS-NOPEC Geophysical Company



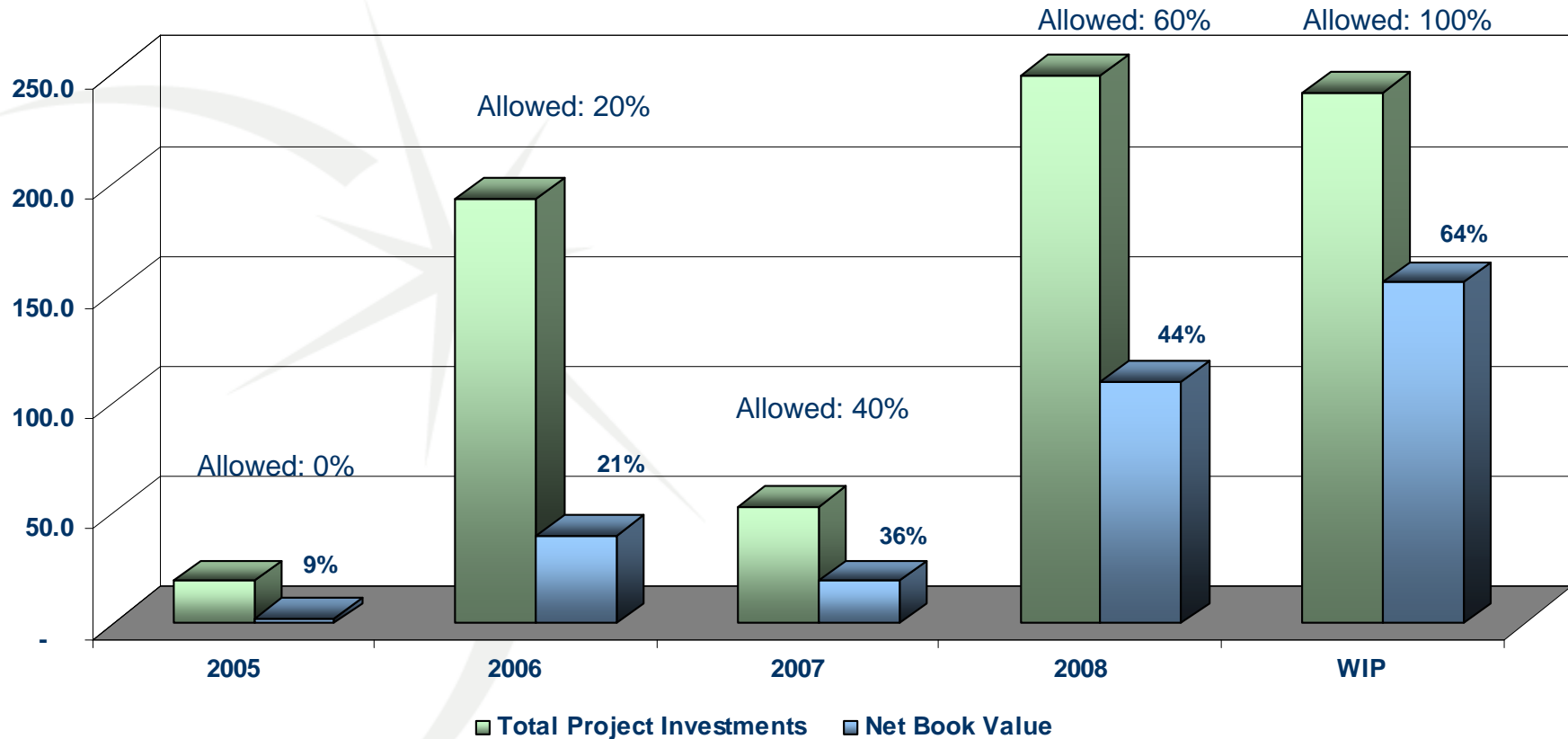
MCS Accounting – Matching Principle

- **Accounting Standards recommend to match Revenues and Costs in time**
- **TGS capitalizes the direct costs of surveys as investments in the Balance Sheet and amortizes them over 5 years (including the first year – WIP) as a function of expected ratio Sales/Investment**
- **If sales are lower than expectations, a minimum amortization kicks in:**
 - Maximum NBV one year after completion is 60%, then 40%, then 20%, then zero
 - At the end of the fourth year after survey completion, each survey is fully amortized

Multi-Client Library NBV in % of Investment

Seismic Surveys as of March 31st 2009

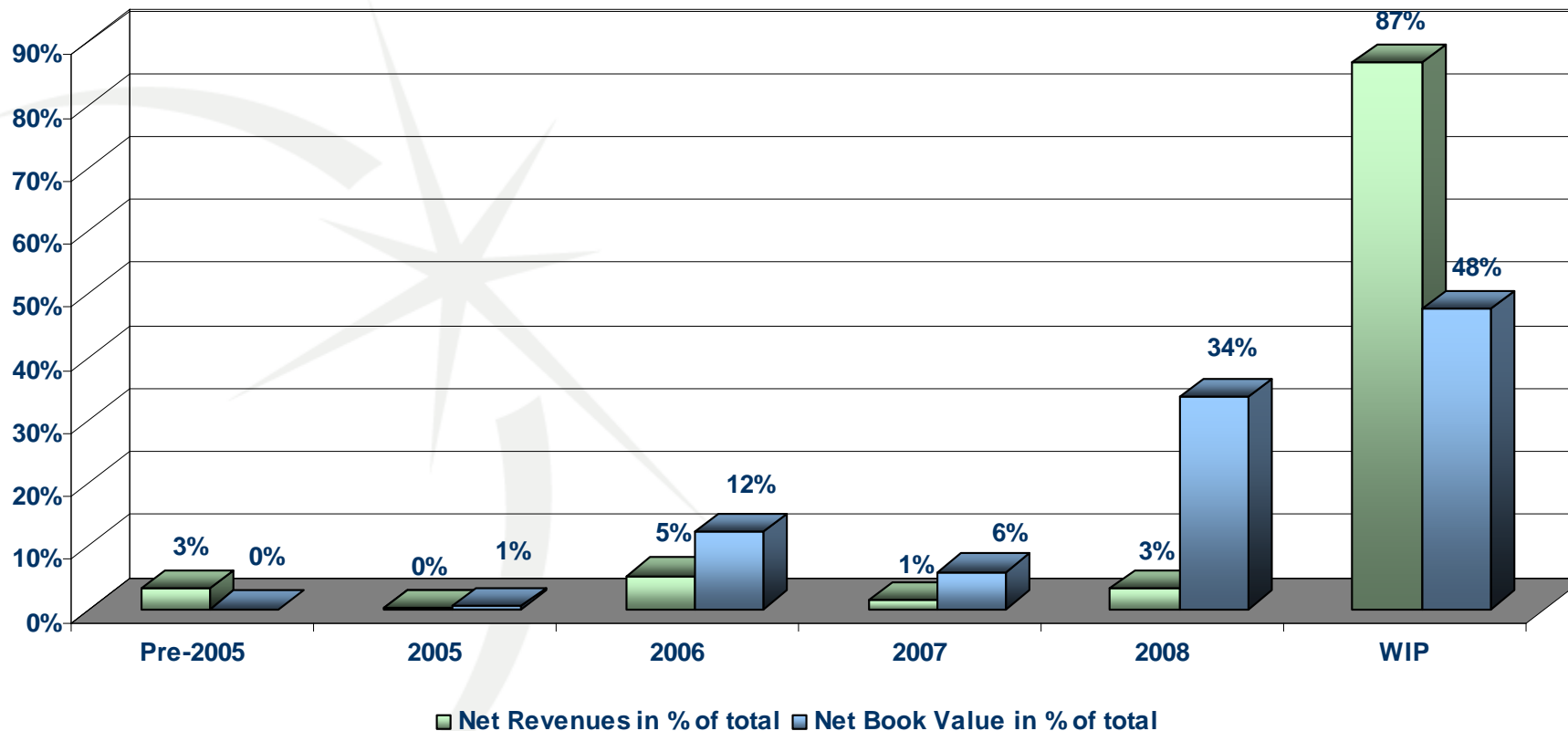
Vintages still carrying a Net Book Value



"Allowed" means max Net Book Value 9 months into the future

Q1 2009 Multi-Client Net Revenues & Ending NBV

- Seismic Surveys

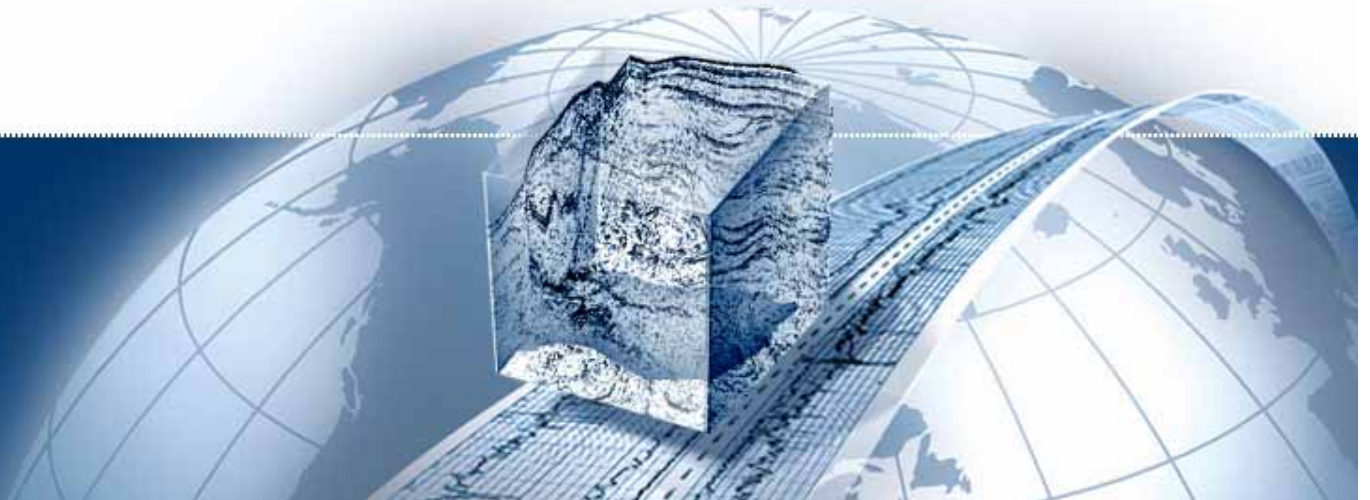


Operations

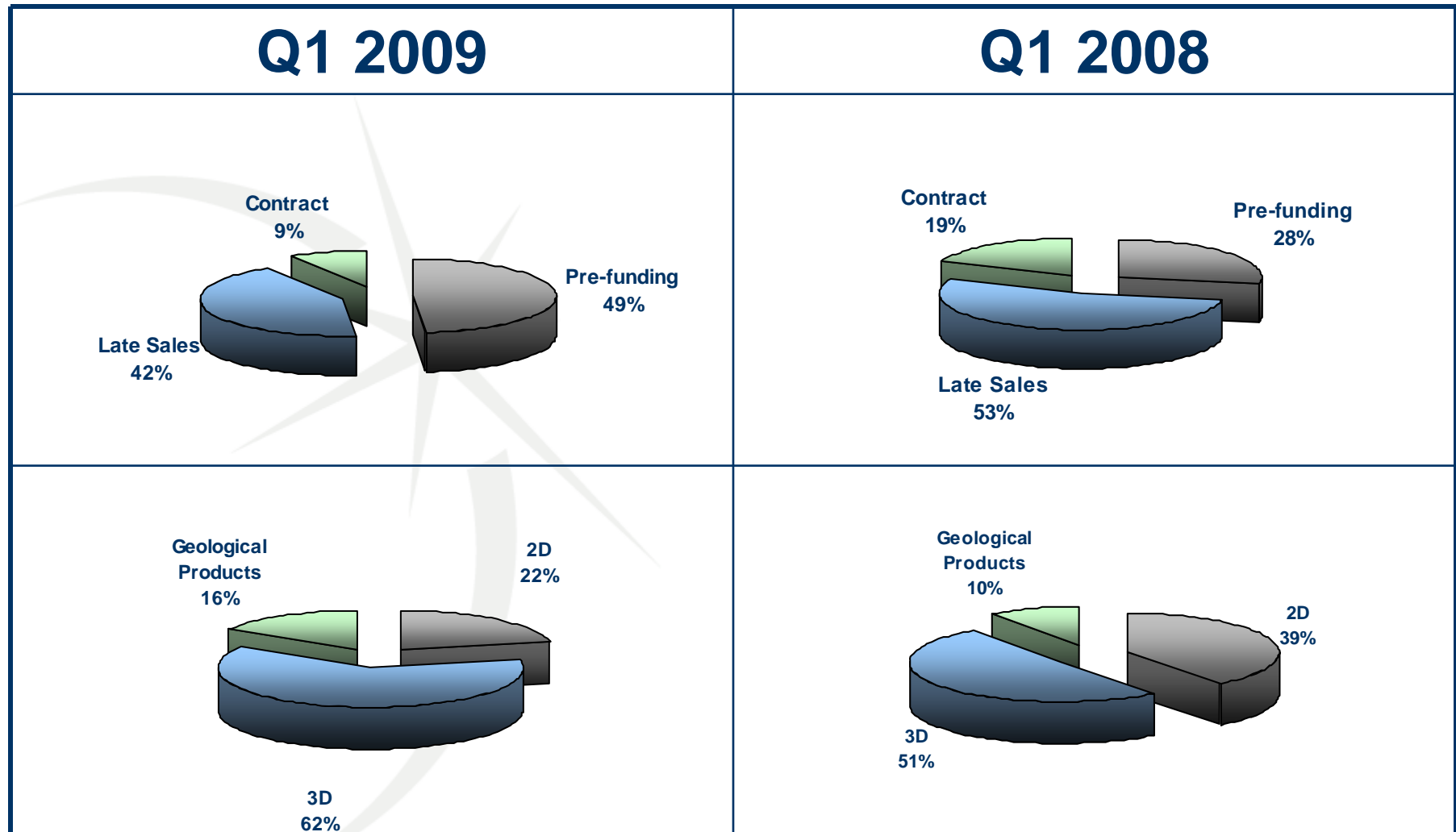
Robert Hobbs
Chief Operating Officer



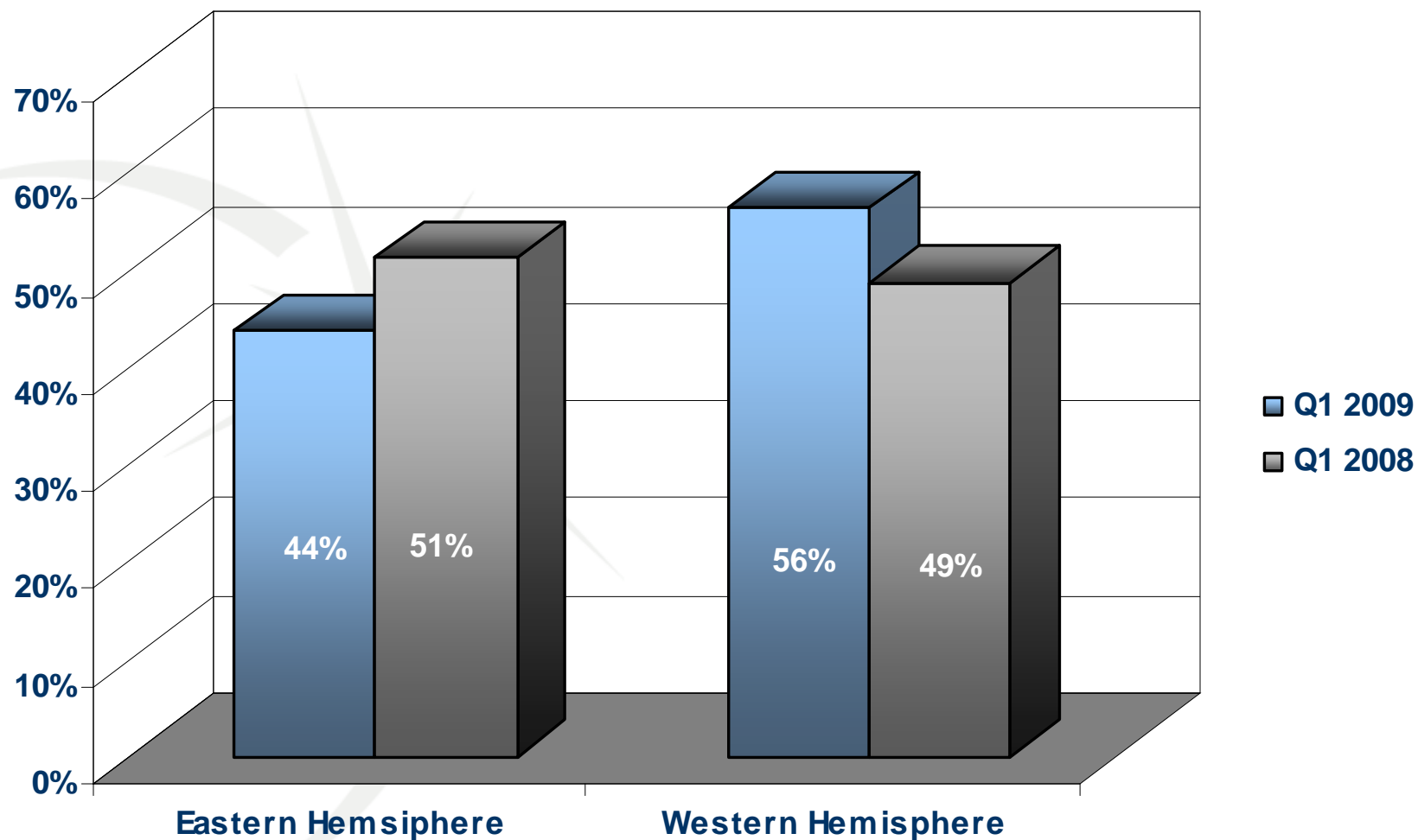
TGS-NOPEC Geophysical Company



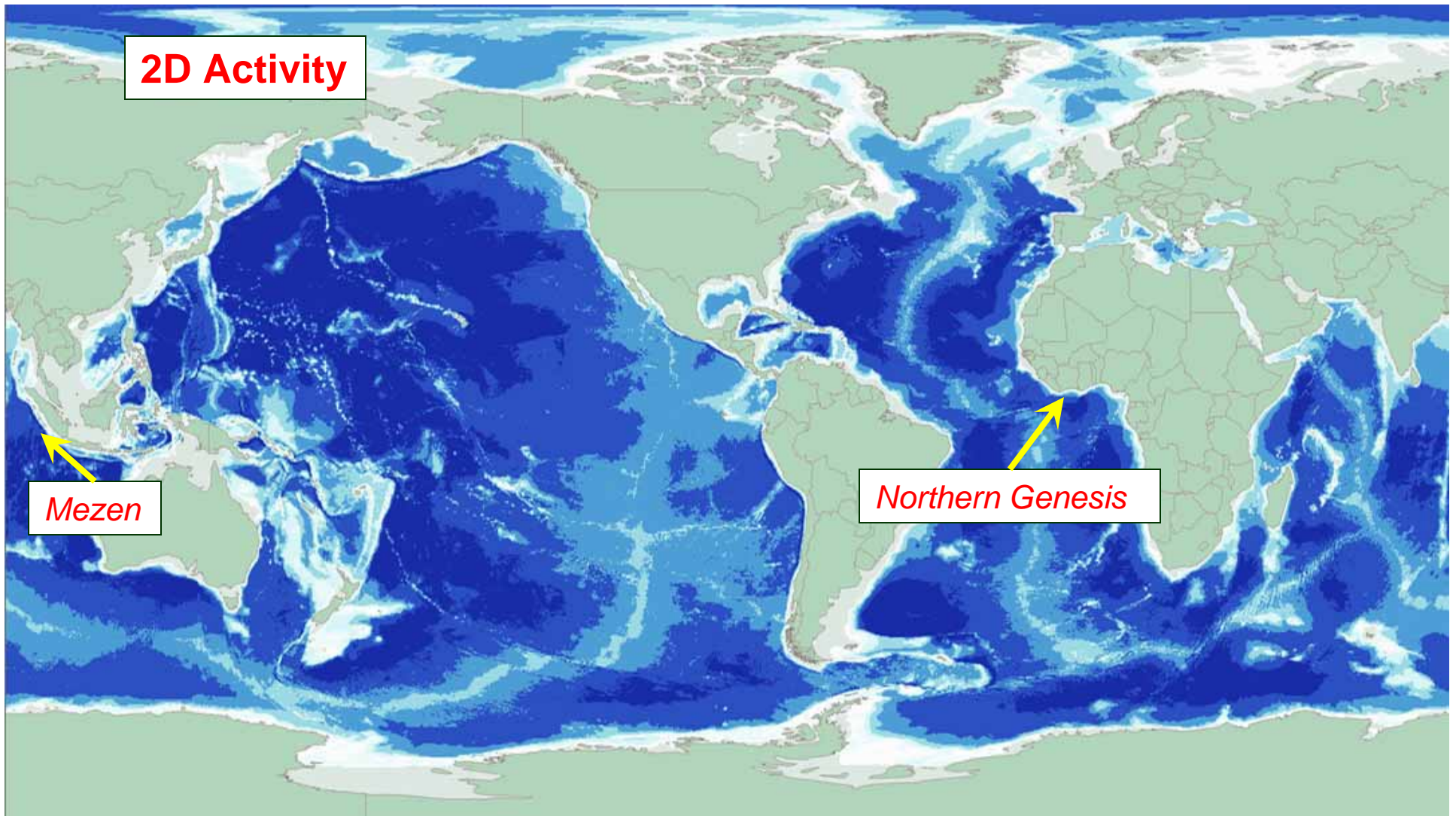
Net Revenue Breakdown



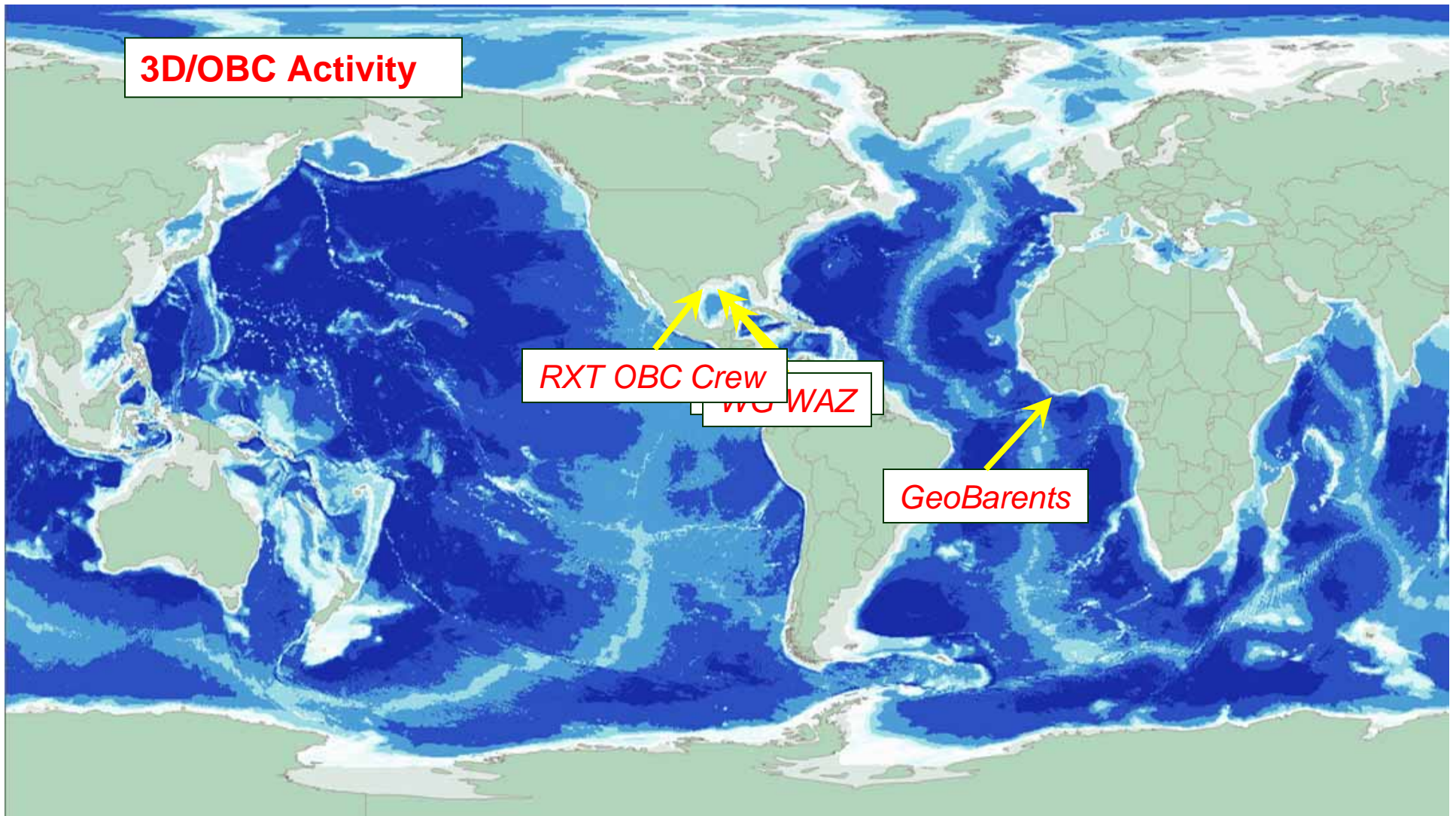
Geographical Net Revenue Breakdown



Q4 Operational Review

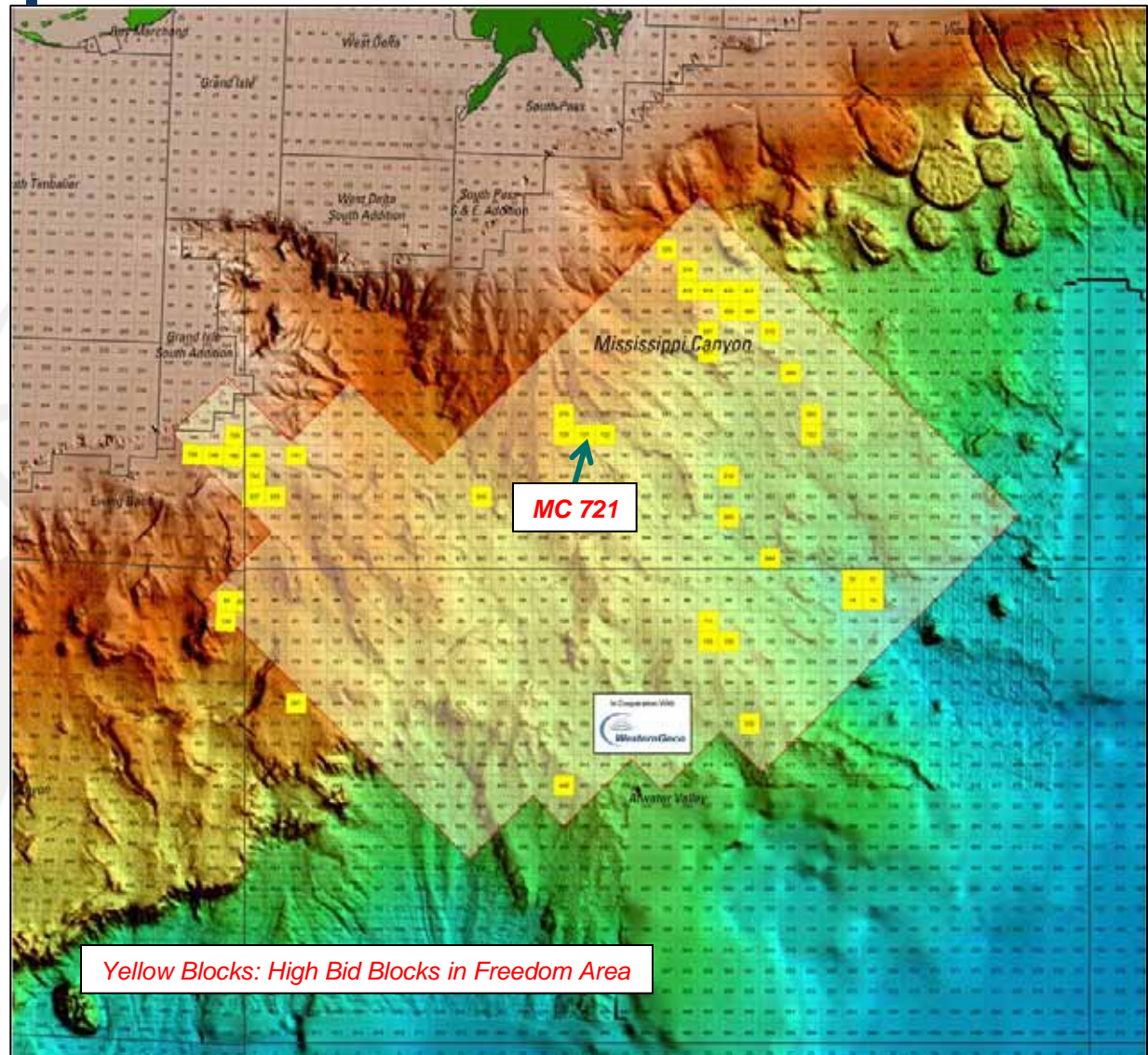


Q4 Operational Review



Western Hemisphere

- **Freedom Wide Azimuth**
 - Dual-vessel Crew recommenced operations on March 4, 2009
 - Acquisition 58% complete at end of Q1
- **Central GOM Sale 208**
 - 44 blocks received high bids in Freedom area
 - Sale 208 High Bid block (\$65.6 M – Shell) in central portion of the project

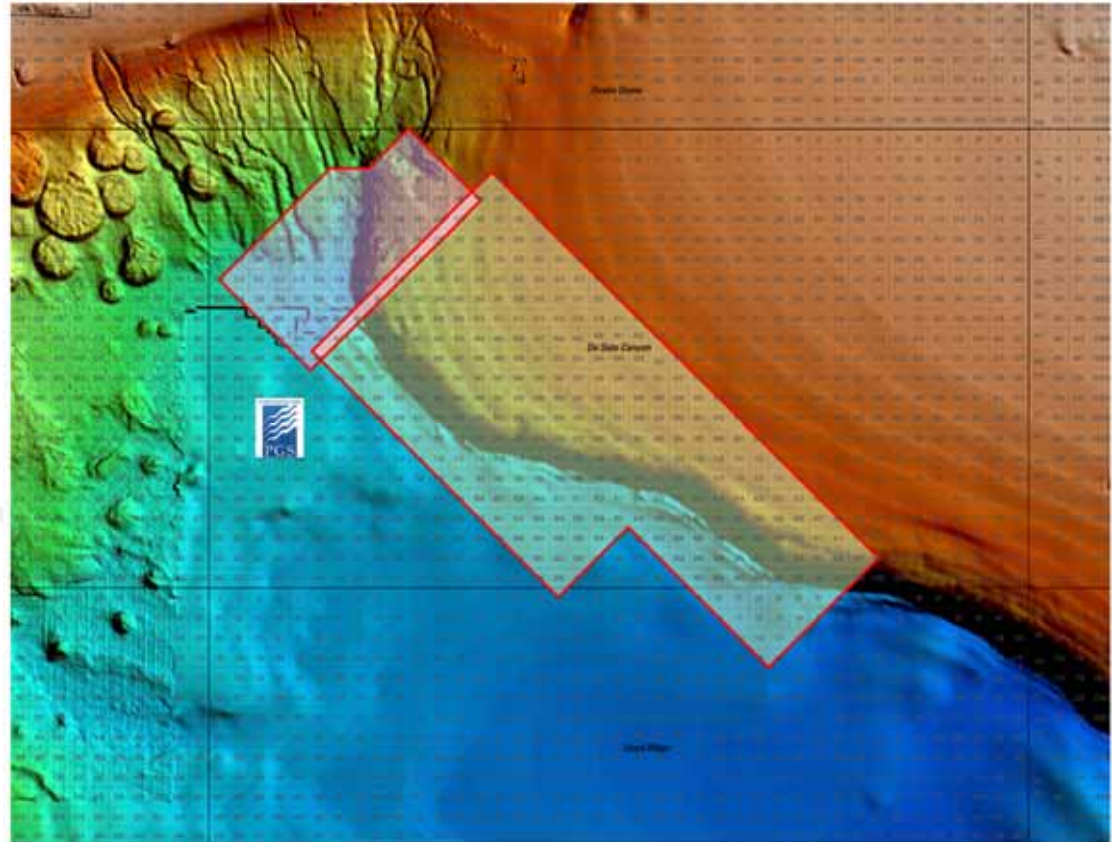


Western Hemisphere

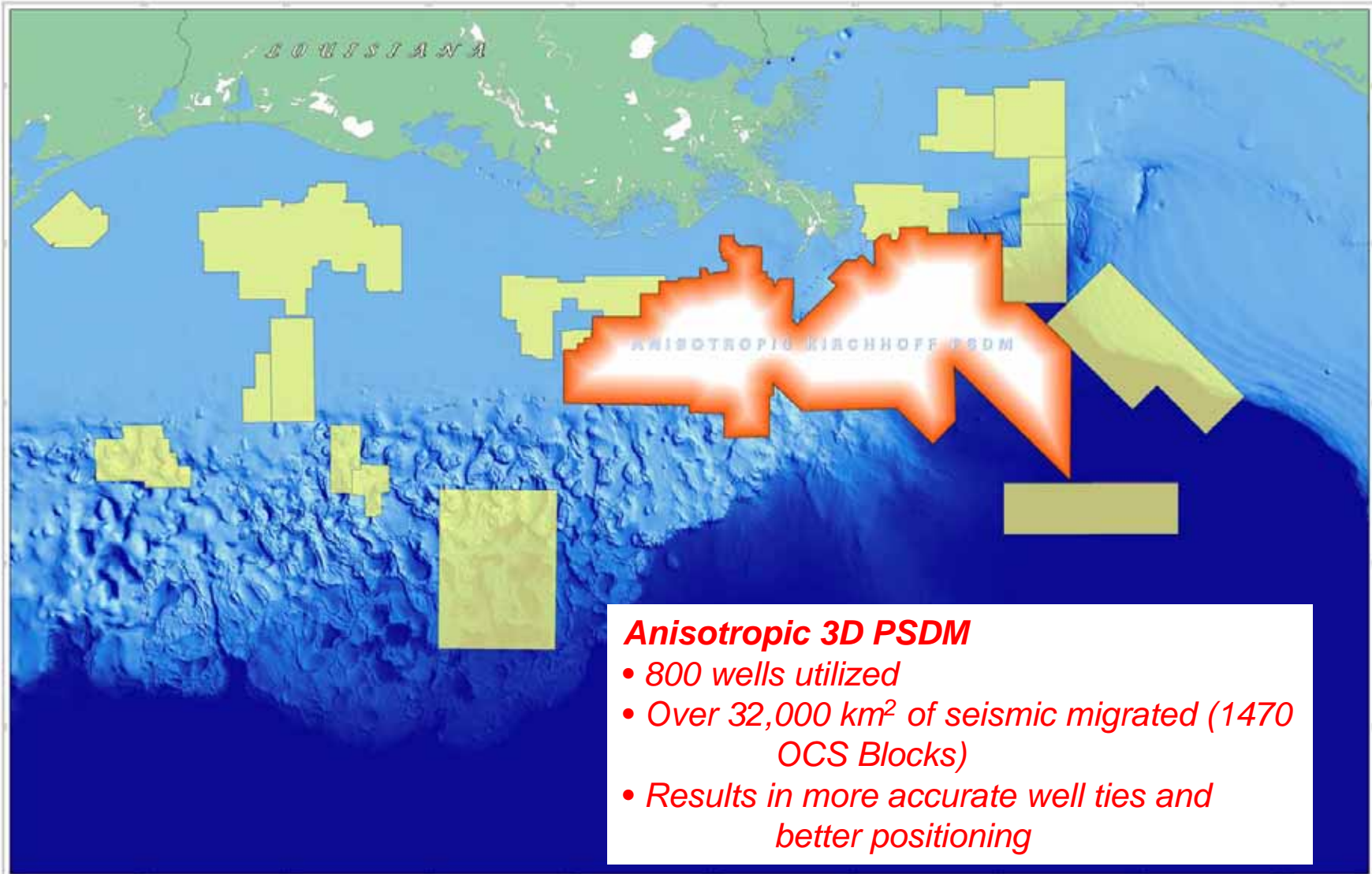
North America

● Hernando 3D

- Survey combination agreement with PGS
 - Expanded original 300 block survey to 365 OCS blocks (8500 km²)
 - Costs and revenue on late sales split between parties based on proportional investment
- Survey approximately 65% complete at end of Q1
- Anticipated completion of acquisition – June 2009



Anisotropic PSDM Coverage

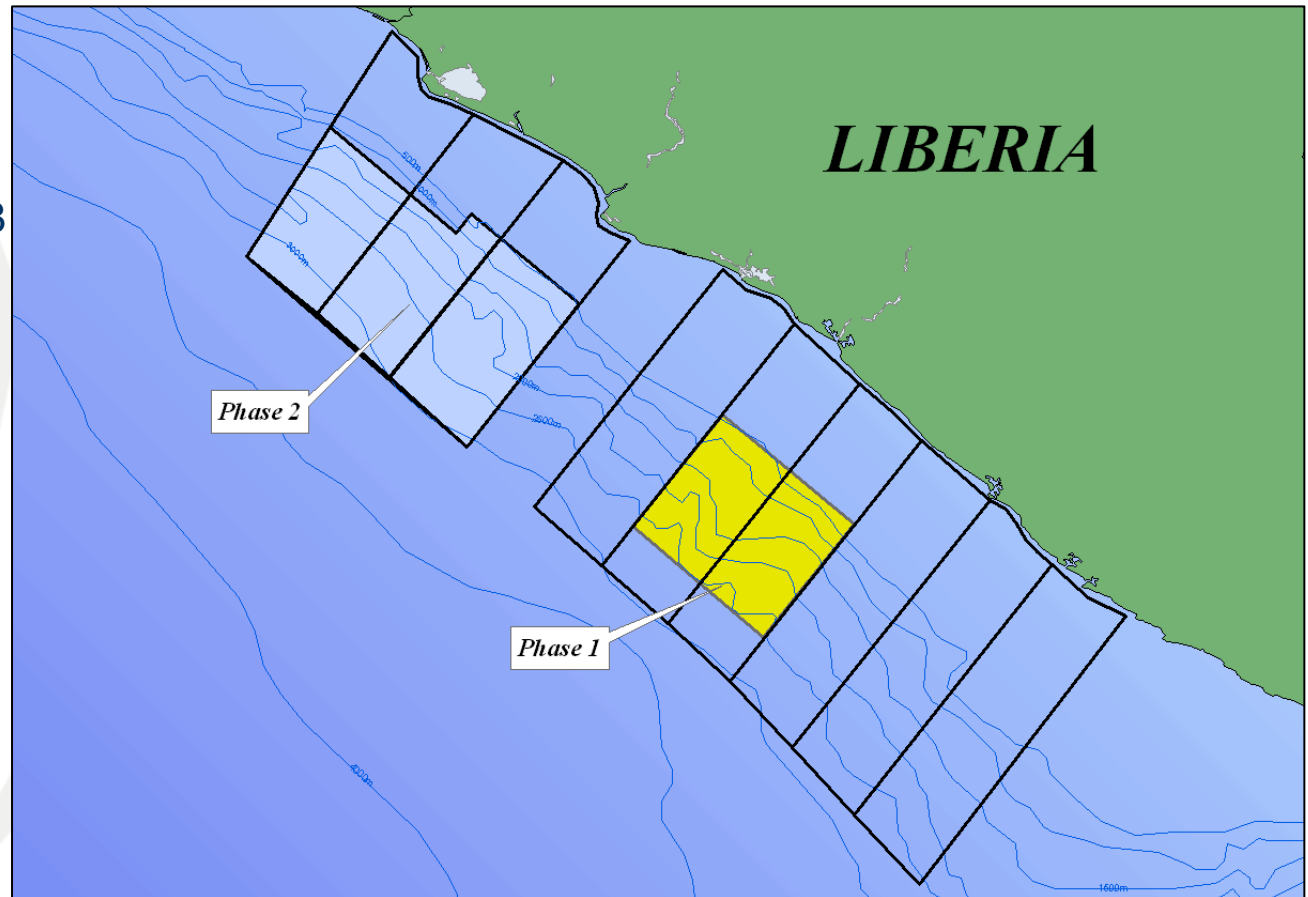


Eastern Hemisphere

● Liberia 3D Programs

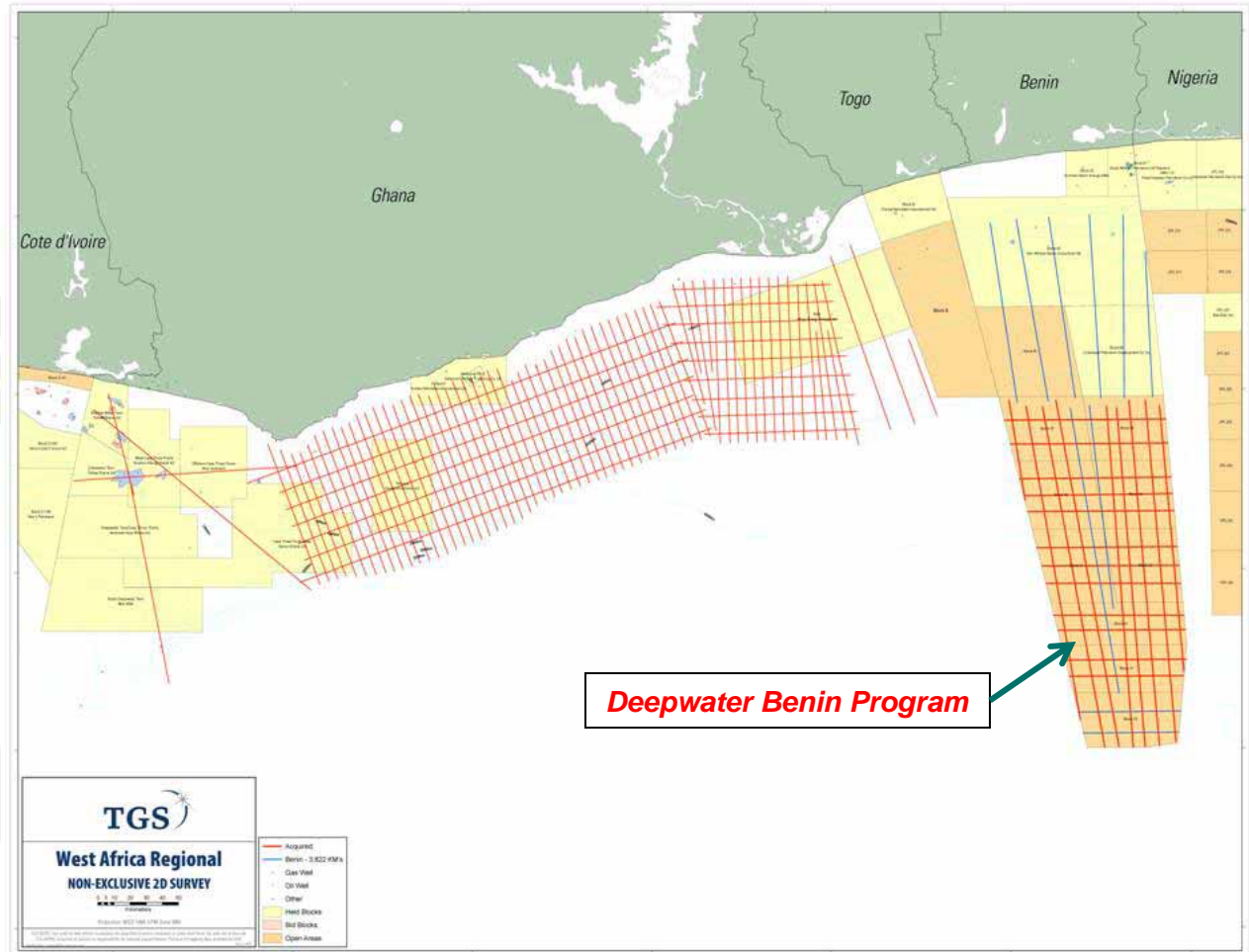
- Phase 1 3D complete – Q4 2008
 - 3000 km²
- Phase 2 acquisition complete – May 4, 2009
 - 6000 km²

- Both phases heavily funded by industry

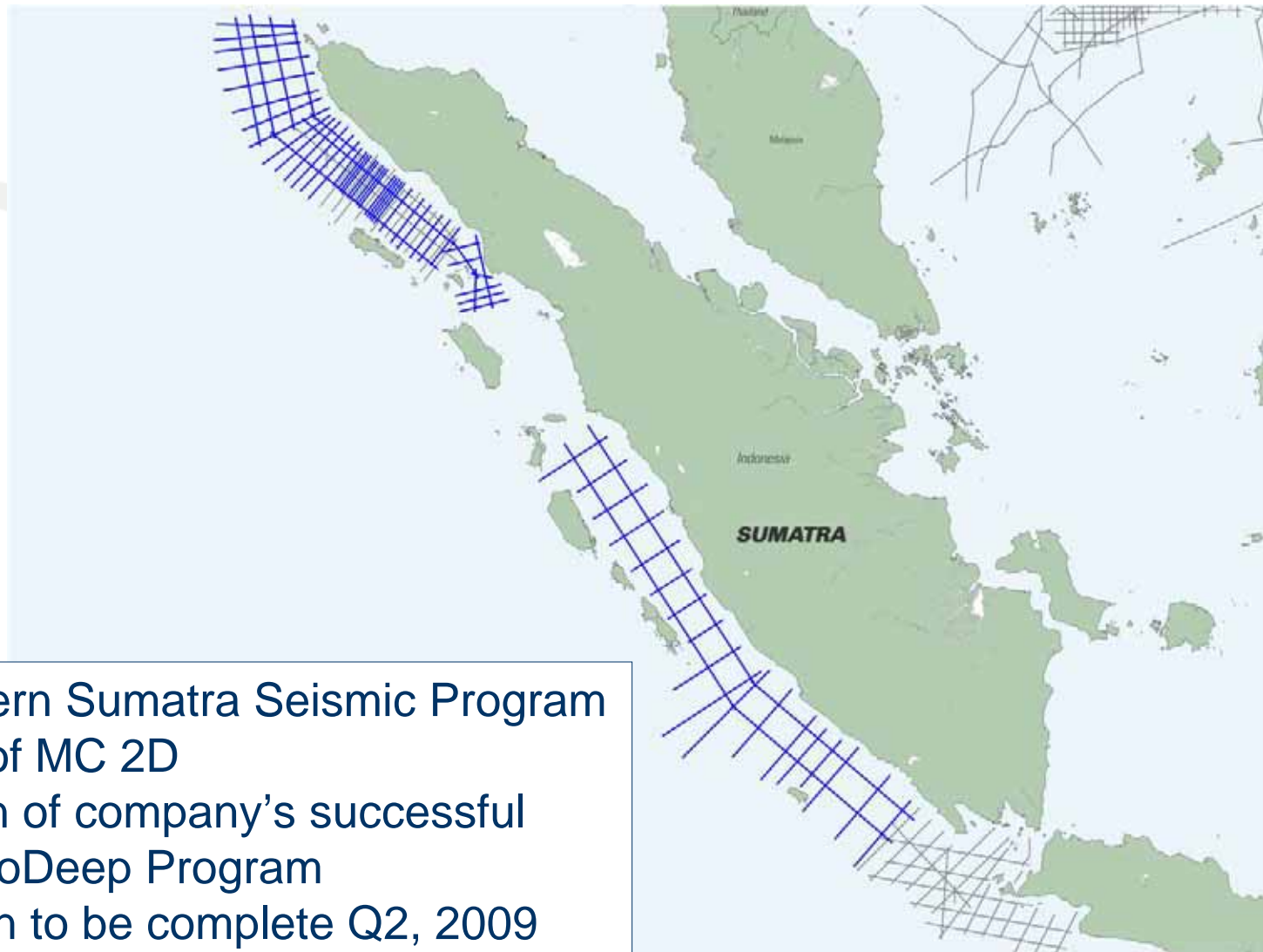


Eastern Hemisphere

- **W. Africa Regional 2D Survey**
 - Well-tie to significant recent discoveries in western Ghana
 - 9,928 km completed in Ghana
 - 3,500 km project commenced in deepwater Benin in early Q2
 - Both programs image open blocks with significant exploration potential



Eastern Hemisphere



Northwestern Sumatra Seismic Program

- 5600 km of MC 2D
- Expansion of company's successful IndoDeep Program
- Acquisition to be complete Q2, 2009

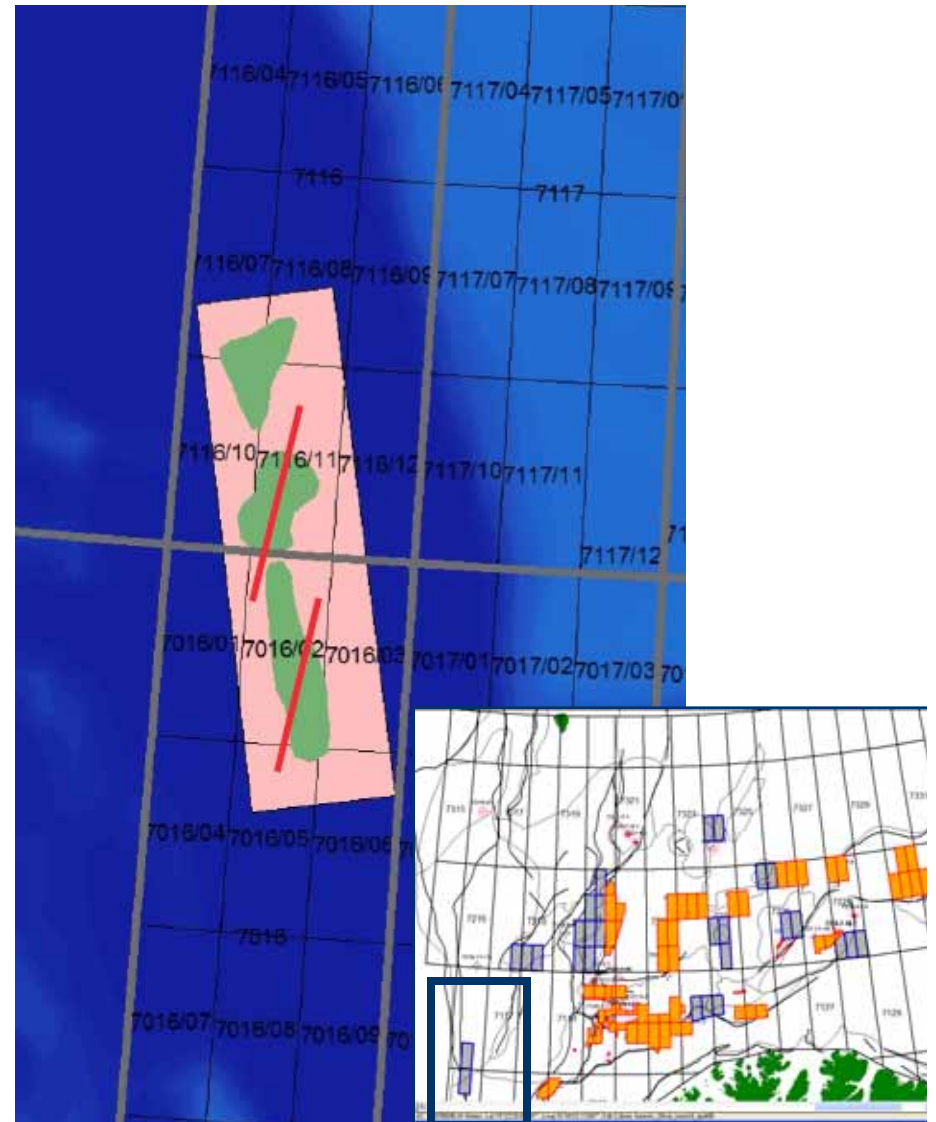
Norway 20th License Round

● TROMS III MC 3D

- 1500 km² acquired in 2008
- Entirely covers blocks 7016/2, and 7116/11
- Award offered to ENI, DONG, OMV, Wintershall
- Uplift will apply on entire volume

● NBR and MNR 2D

- Extensive sales expected to be driven by awards

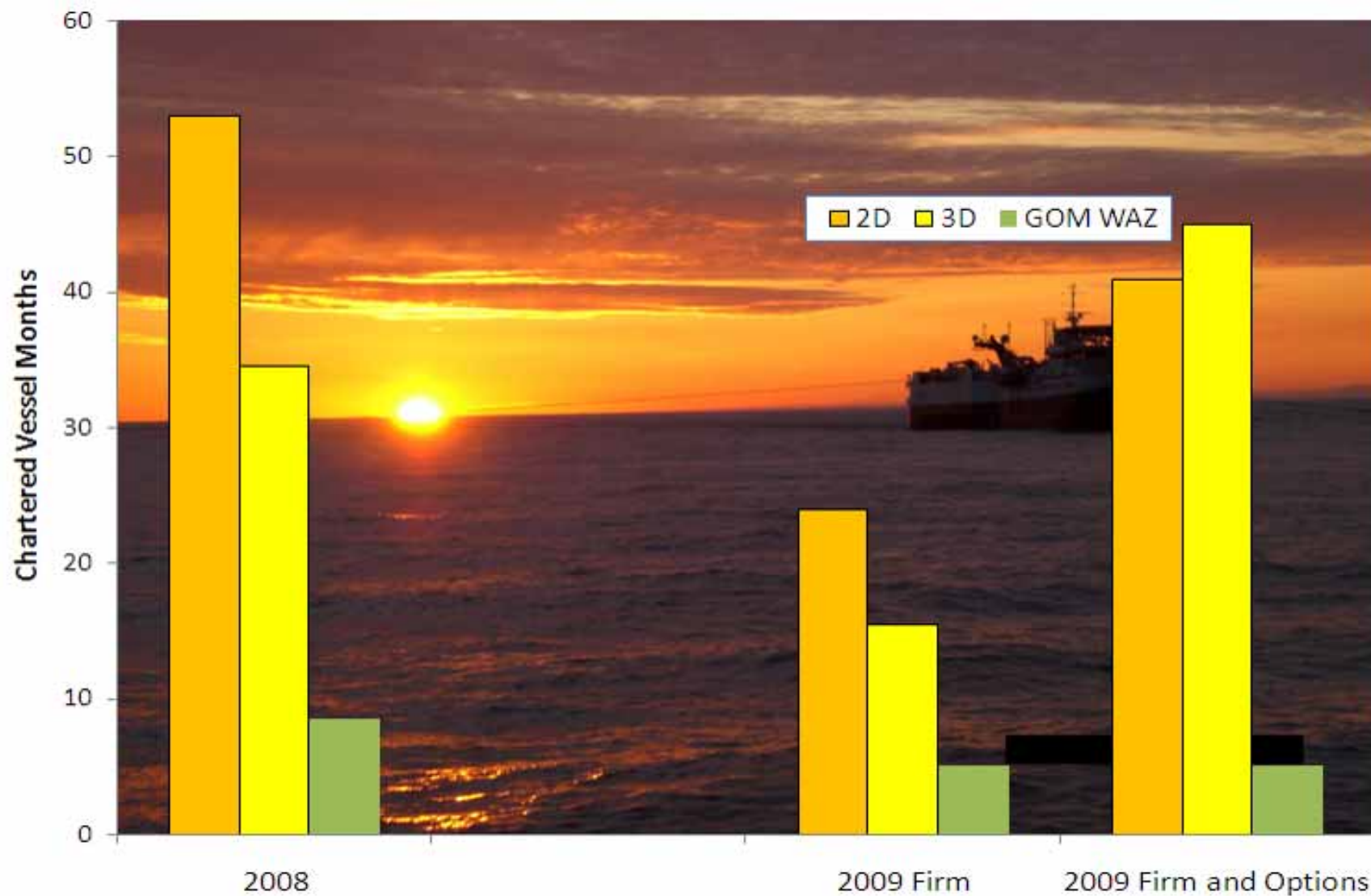


2009-2010 Vessel Commitments

Vessel Commitment 2009-10

	2009												2010											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2D Capacity																								
Northern Genesis	Firm Charter until March 2012																							
Mezen	Commitment until end of current survey						Flexible option to extend																	
Bergen Surveyor						18 months firm charter agreement																		
3D Capacity																								
Geo Barents	Firm charter						6 months optional extension																	
BOS Arctic	Firm charter									12 months optional extension														
Wave 3D vessel(s)	24 months option for 8-10/12 streamer vessel(s) valid for 4 years																							
WG Wide Azimuth				Firm charter																				

Flexibility in 2009

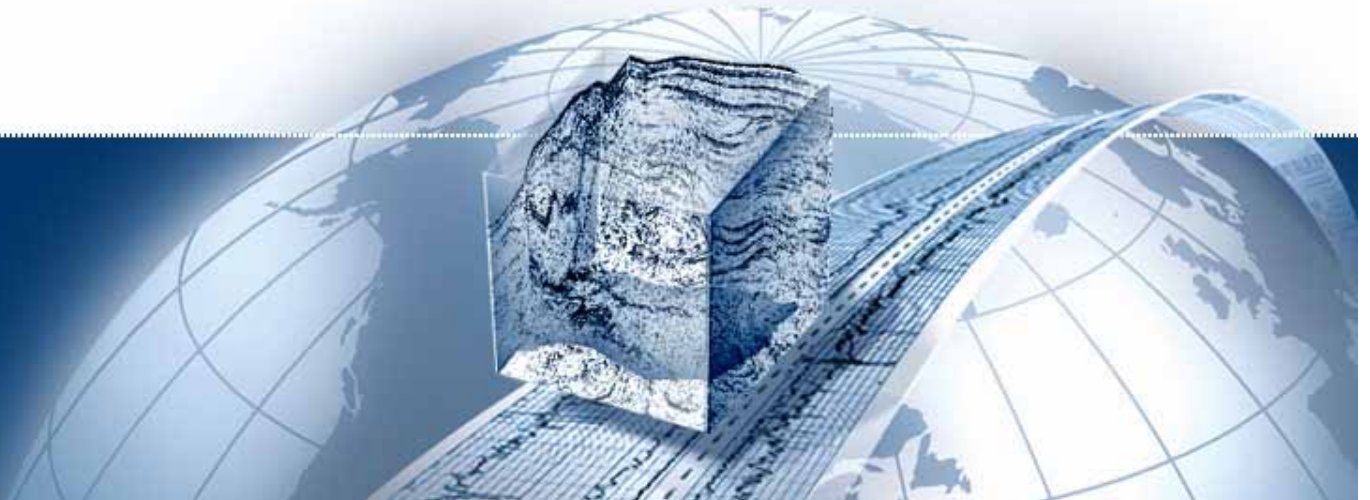


Outlook

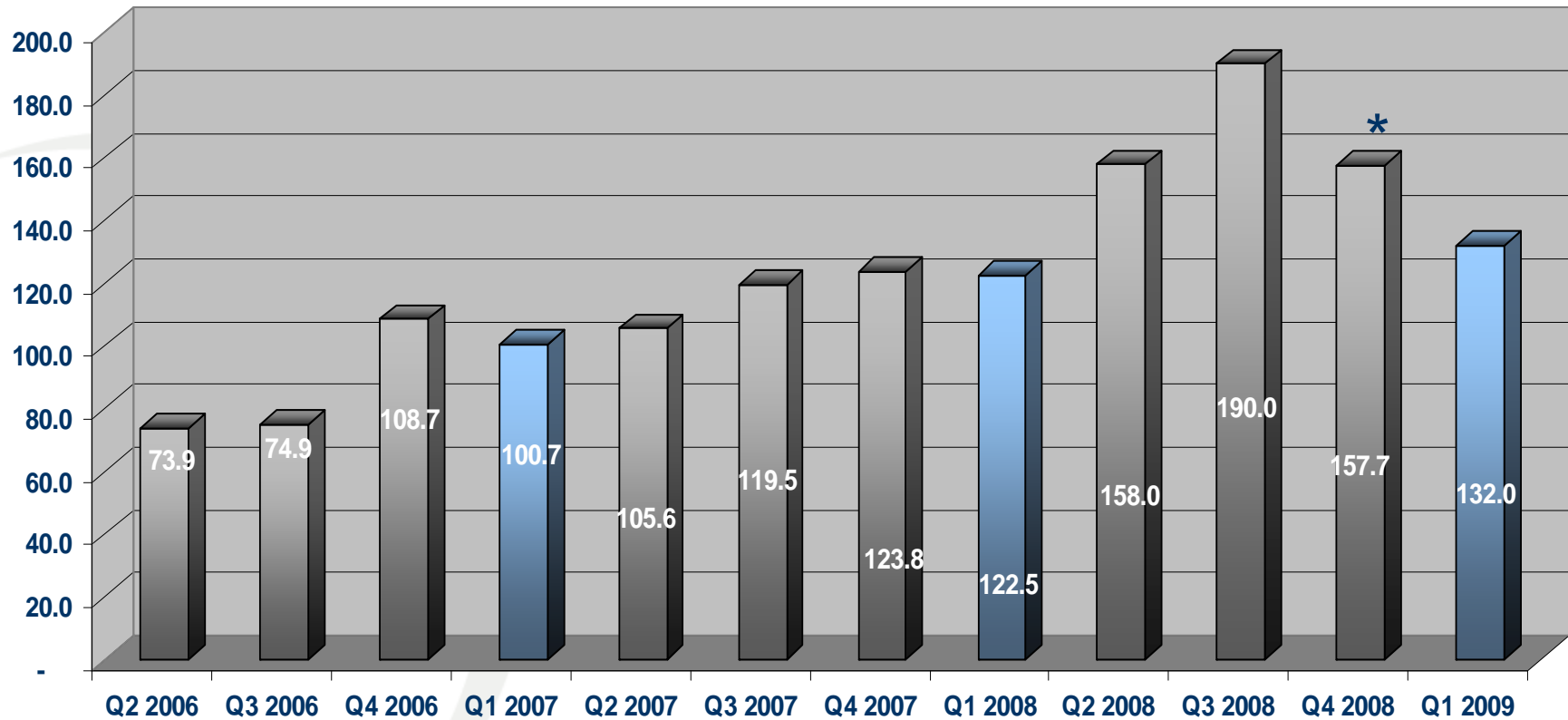
Hank Hamilton
Chief Executive Officer



TGS-NOPEC Geophysical Company



Backlog



* Q4 2008 revised due to previous reporting error

Market Conditions

- Spending "frozen" in early part of 2009
- Sales activity markedly improved since then, pipeline of large sales opportunities steadily growing
- Norway's 20th round announcements – positive impact near term
- Late sales still lumpy and hard to forecast
- Flexible business model and strong balance sheet position us well
- Still view long term fundamentals with optimism
- Cautious but opportunistic approach to new investment

Expectations for 2009

- **Multi-client investments USD 230 – 270 million**
- **Average pre-funding 45 – 55%**
- **Average multi-client amortization rate 35 – 40%**
- **Net revenues USD 470 – 530 million**
- **Contract revenues 5 – 10% of total revenues**
- **Implemented plan for reduction of operating costs in Q2**
- **Continuously evaluate opportunities to invest more and grow market share**

TGS Performs in all Cycles!

Profit Margin (EBIT) versus Peer Group

