

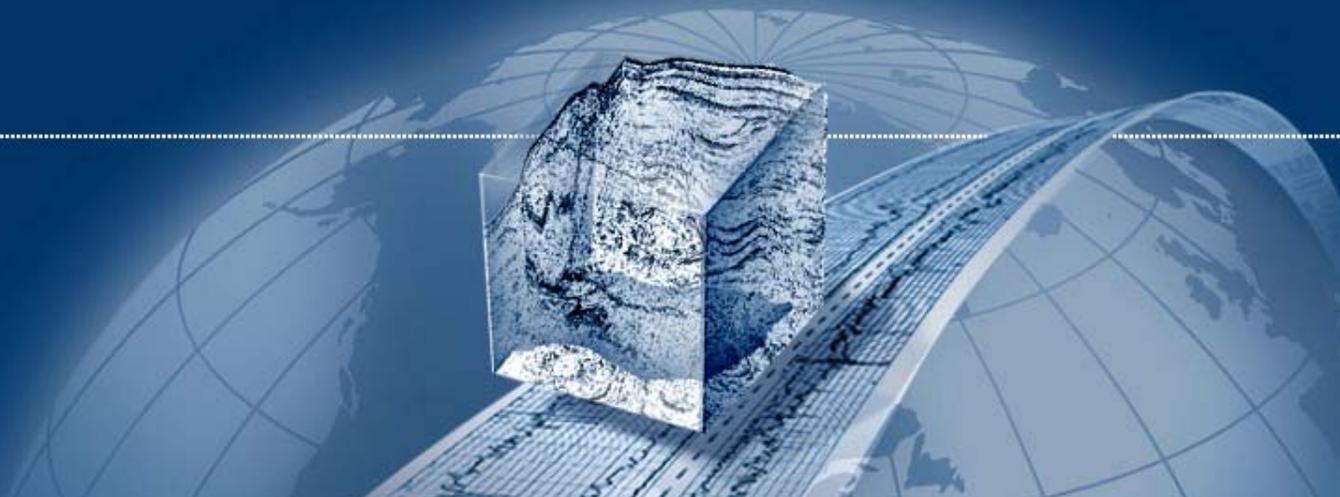
TGS-NOPEC Geophysical Pareto Oil & Offshore Conference

Oslo Norway- September 2-3, 2009

Robert Hobbs – 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.

TGS Profile

- **Leading provider of multi-client seismic data and related geoscientific products to the oil & gas industry.**
- **Main offices: Houston and Asker, Norway**
Regional offices: London, Stavanger, Perth, Moscow
- **Fundamental values: Quality, Service, Growth**
- **Approximately 625 employees**
- **Traded on Oslo Stock Exchange, Mkt Cap: ~\$1.3 billion**

TGS Business Model

- **Multi-Client Business Model**

- Data sold as a Product – not a Service
- Clients (Oil companies) license the data at a fraction of the cost vs. owning the data themselves
- TGS Develops, Manages, Owns and Controls the data
 - Allows for TGS to add value and re-license the data to clients
- TGS financial risk mitigated by obtaining pre-funding commitments prior to commencement of a project
- Allows volume pricing – much higher longer-term earnings potential than contract seismic model

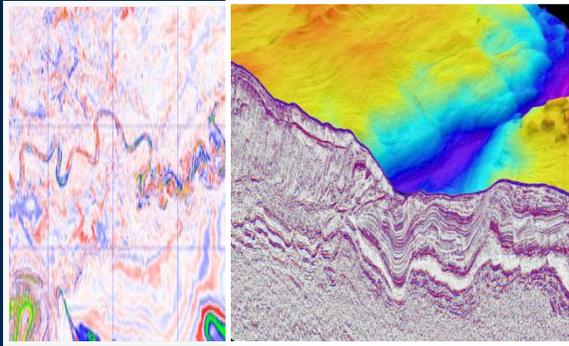
***Approximately 90 - 95% of
TGS Business Is Multi-client***

TGS Philosophy

Differentiation and Value are created by controlling unique high-quality data in the right place at the right time

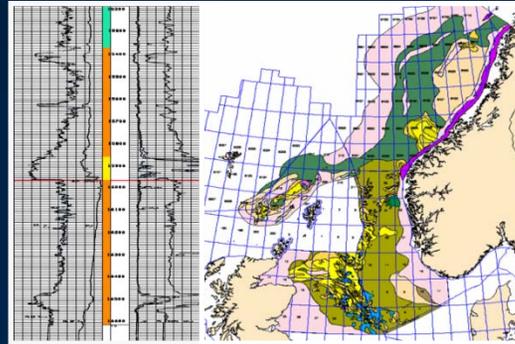
TGS Core Businesses

Geophysical



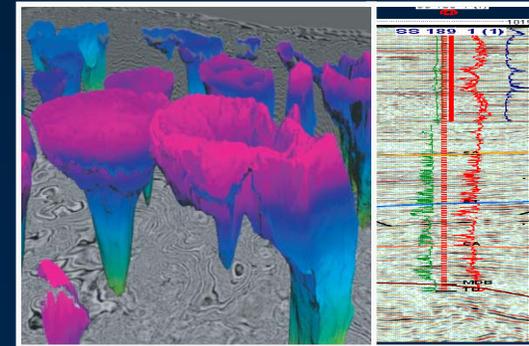
- 2D Seismic
- 3D Seismic
- Wide Azimuth Seismic
- Aeromagnetics
- Gravity
- Electromag (CSEM)
- Multi-beam

Geological



- Digital well data
- Production data
- Core data
- Regional geologic interpretations
- Facies Map Browser
- Interpretive contract services

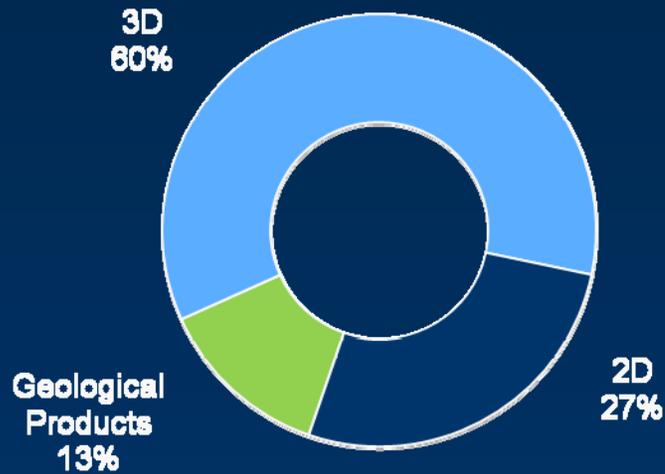
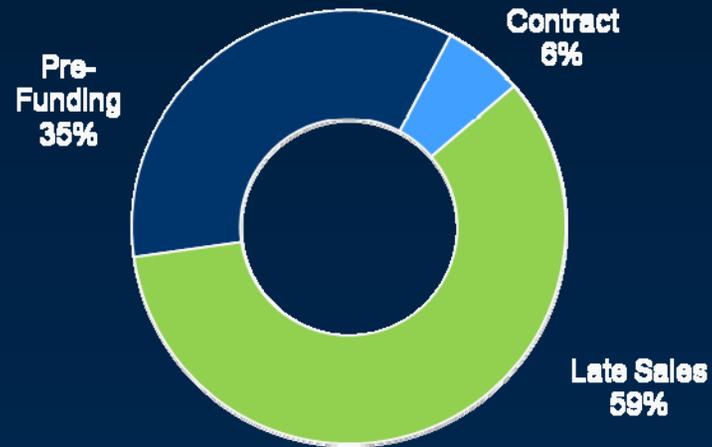
Imaging Services



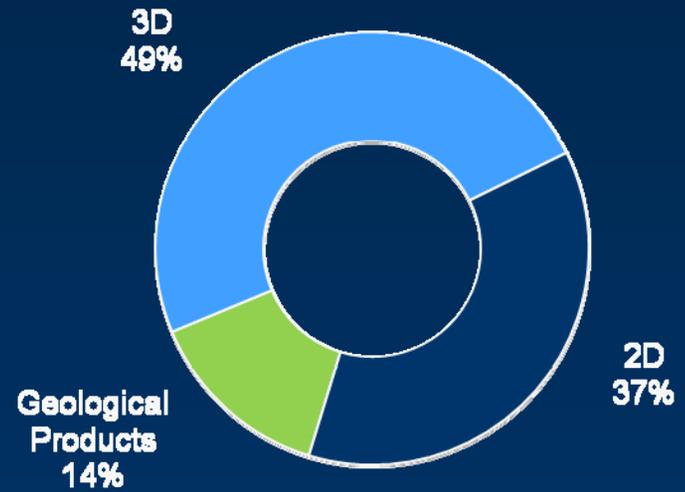
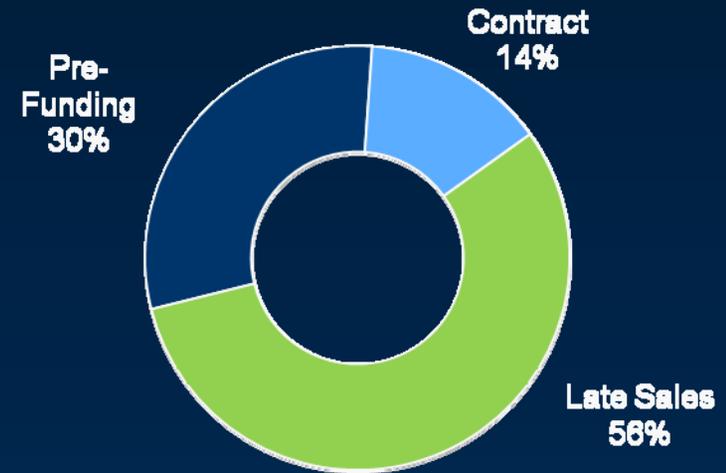
- Seismic processing
- High end depth imaging
- Proprietary technology
- Ongoing R&D investment
- Contract business model

6M 2009 vs. 6M 2008 Net Revenue Breakdown

6M 2009

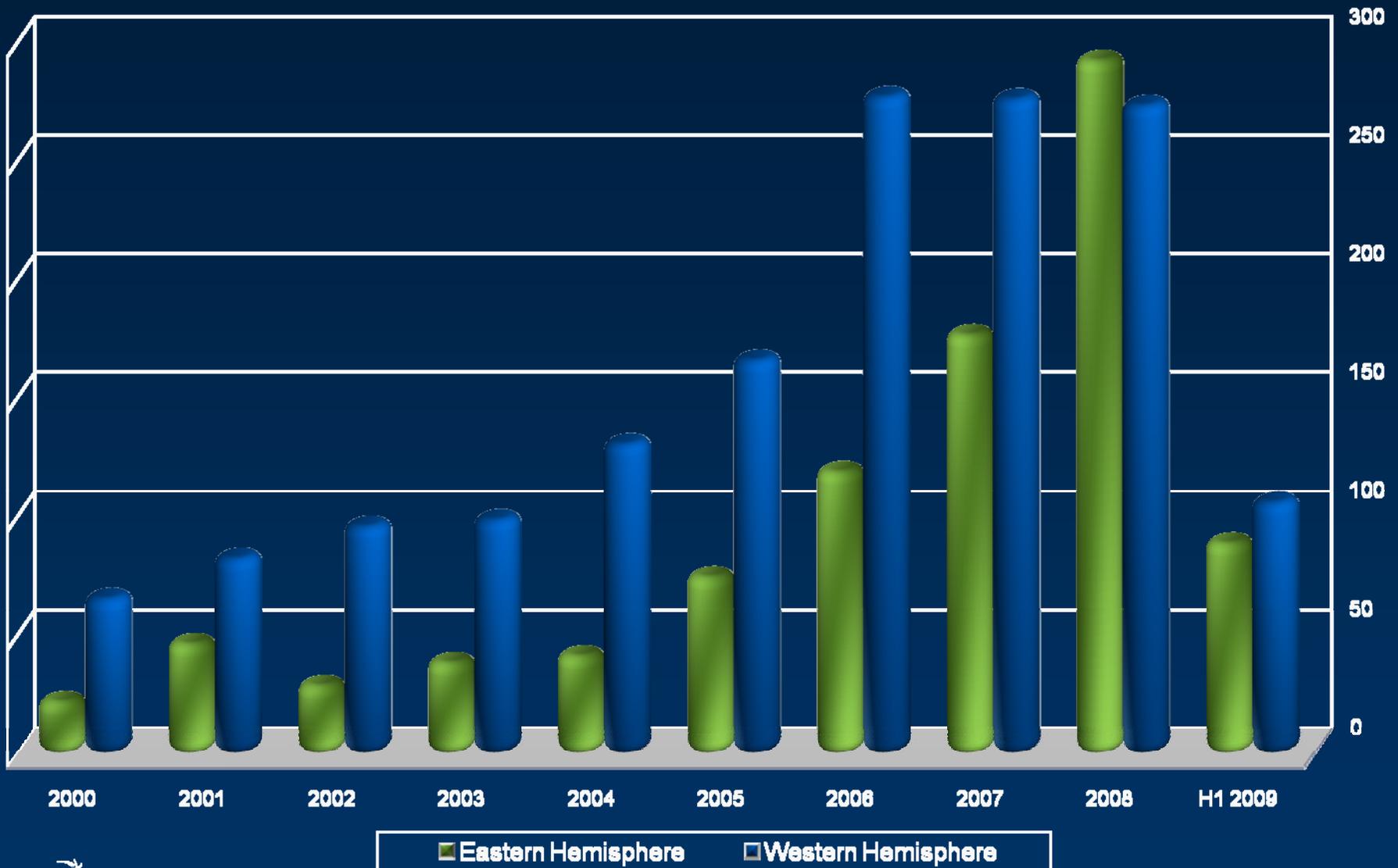


6M 2008



3-year Geographical Net Revenue Breakdown

Geographical Net Revenue



Q2 2009 Financial Highlights

- **Gross Sales volume up 4% compared to Q2 2008**
- **Net Late Sales 84.5 MUSD, up 6% from Q2 2008**
- **Net prefunding covered 43% of operational Investments**
- **Proprietary Revenues down 55%, in line with normal business model**
- **Net Revenues 124.1 MUSD, 7% below Q2 2008**
- **Cash flow from operations before investments USD 44.5 million**
 - vs USD 27.7 million in Q2 2008

6M 2009 Financial Highlights

- Net Revenues 194.9 MUSD, down 19% from 6M 2008
- 48% Prefunding
- MC Amortization rate 43%
- EBIT Margin 38% of Net Revenues
- All interest-bearing debt repaid in full on May 5th
- Equity is 74% of total assets

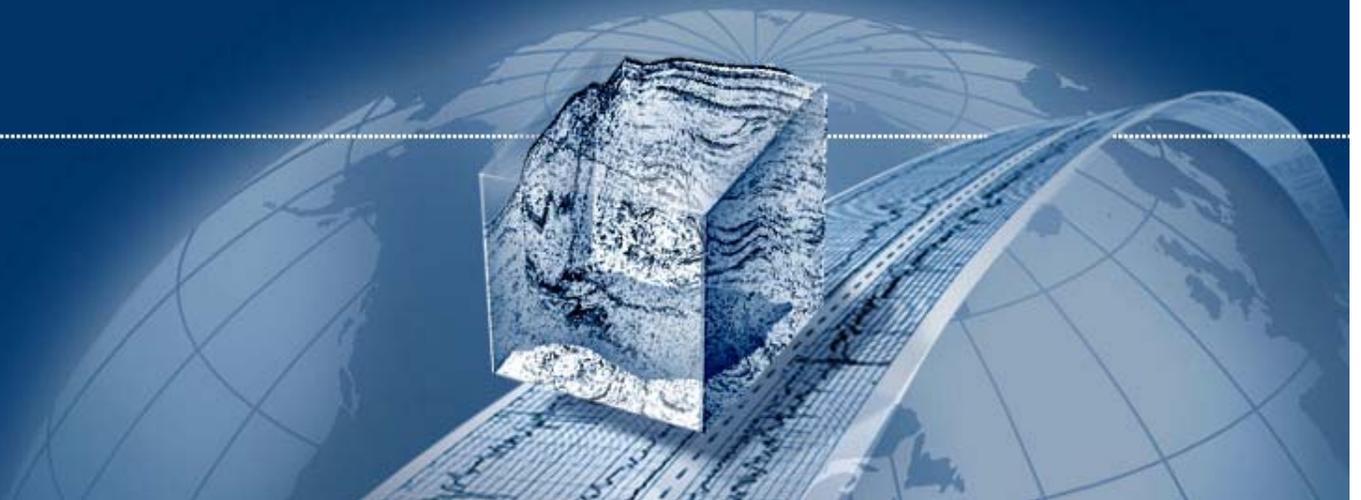
Balance Sheet – Key Figures

	6/30/2009	%	3/31/2009	%	12/31/2008	%
Assets						
Cash	184.7	19%	228.6	25%	148.3	16%
Investments Available for Sale	40.7	4%	46.5	5%	51.1	5%
Other Current Assets	241.2	25%	163.7	18%	298.1	31%
Total Current Assets	466.7	48%	438.9	48%	497.5	52%
Intangible Assets & LT Receivables	90.9	9%	95.1	10%	99.1	10%
MC Library	397.2	41%	366.0	40%	335.0	35%
Fixed Assets	18.0	2%	19.7	2%	22.7	2%
Total Assets	972.8	100%	919.6	100%	954.3	100%
Liabilities						
Short-term debt	-	0%	44.9	5%	42.9	4%
Current Liabilities	199.6	21%	143.1	16%	194.7	20%
Long-term loans	0.0	0%	0.0	0%	0.0	0%
Deferred Tax Liability	54.1	6%	56.1	6%	55.7	6%
Equity	719.1	74%	675.5	73%	661.1	69%

Multi-Client Library



TGS-NOPEC Geophysical Company



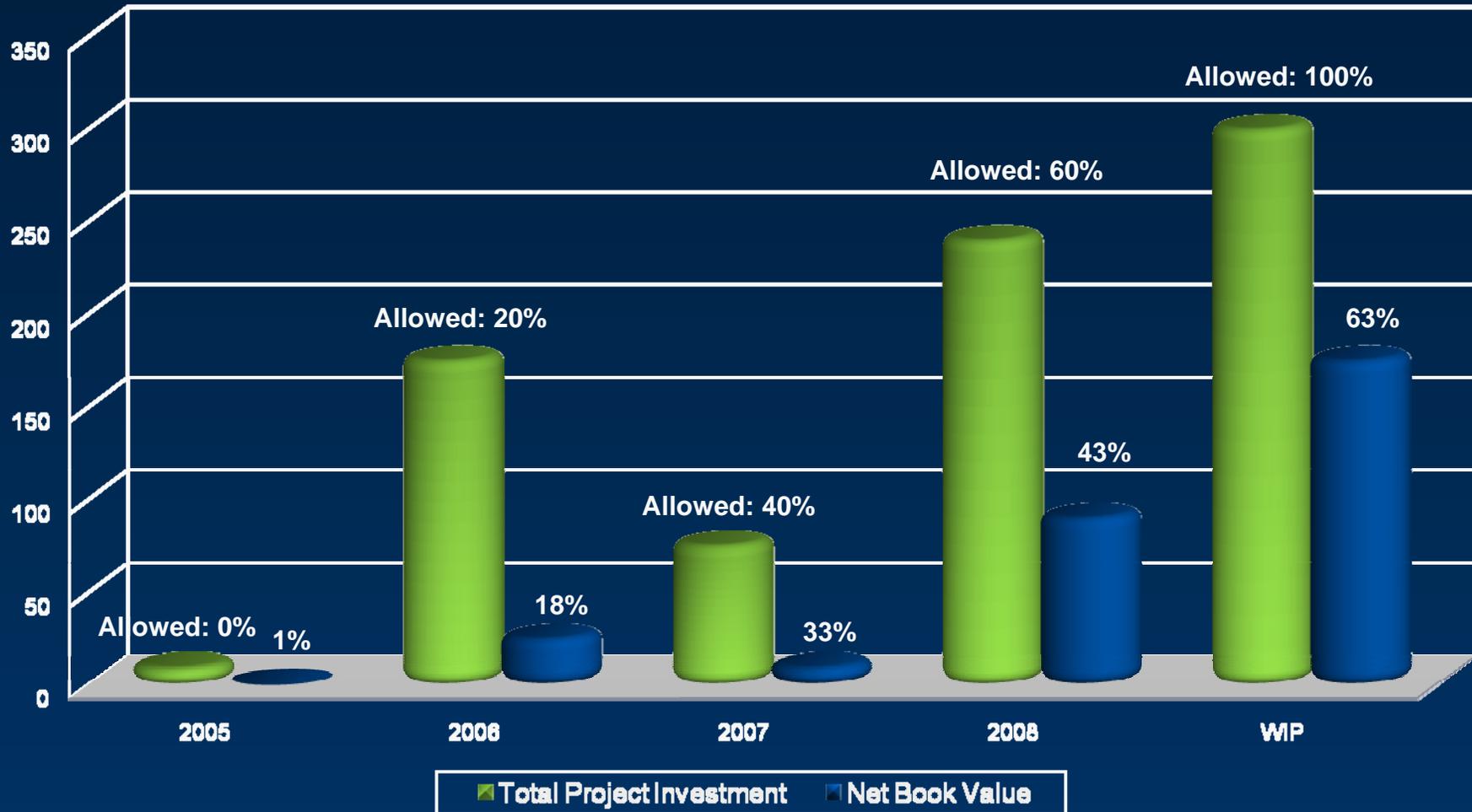
MCS Accounting – Matching Principle

- **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

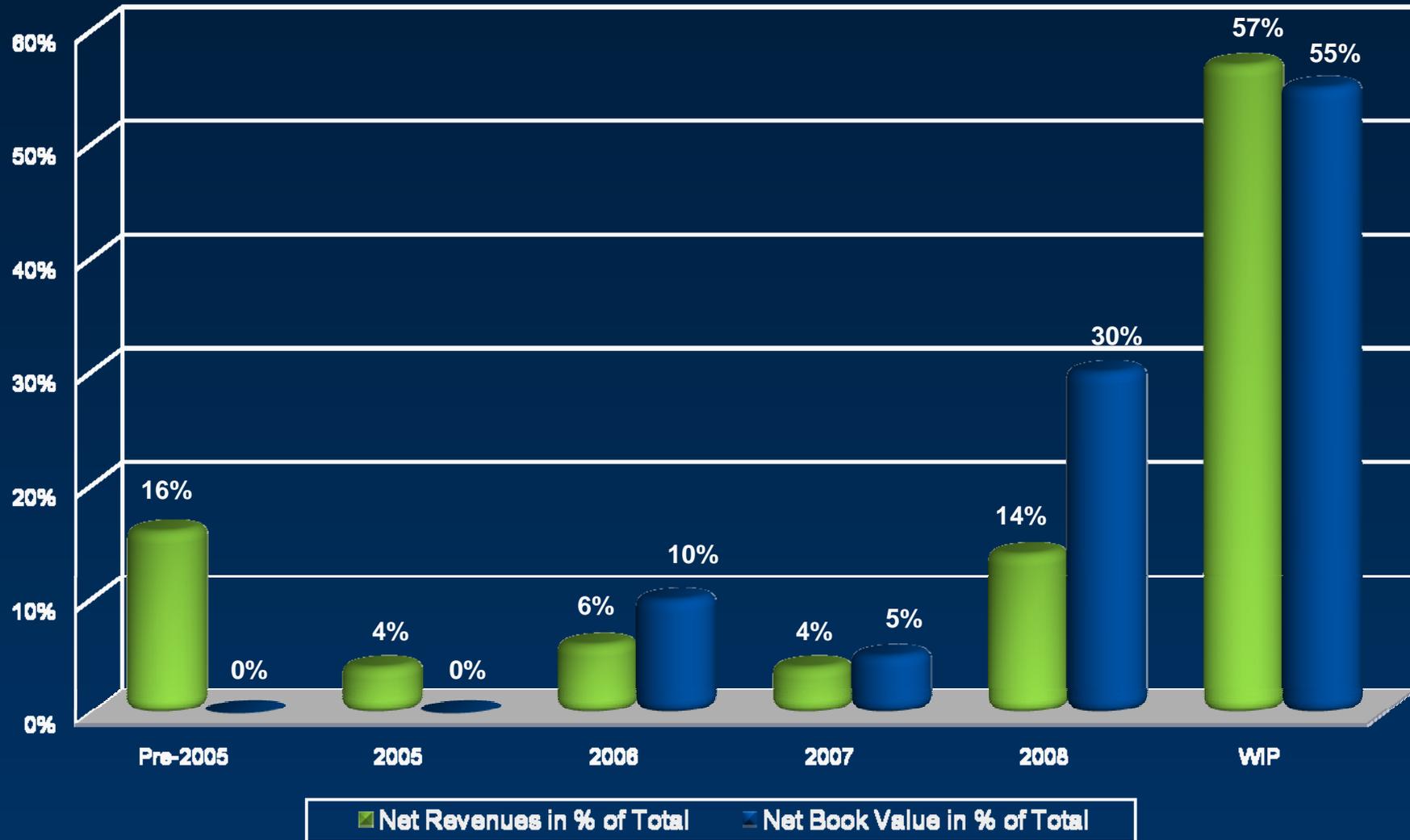
Seismic Surveys as of June 30th 2009

Net Book Value per Vintage vs. allowed NBV at end of 2009



Q2 2009 Multi-Client Net Revenues & Ending NBV

Seismic Surveys



New Activities



Geophysical Products



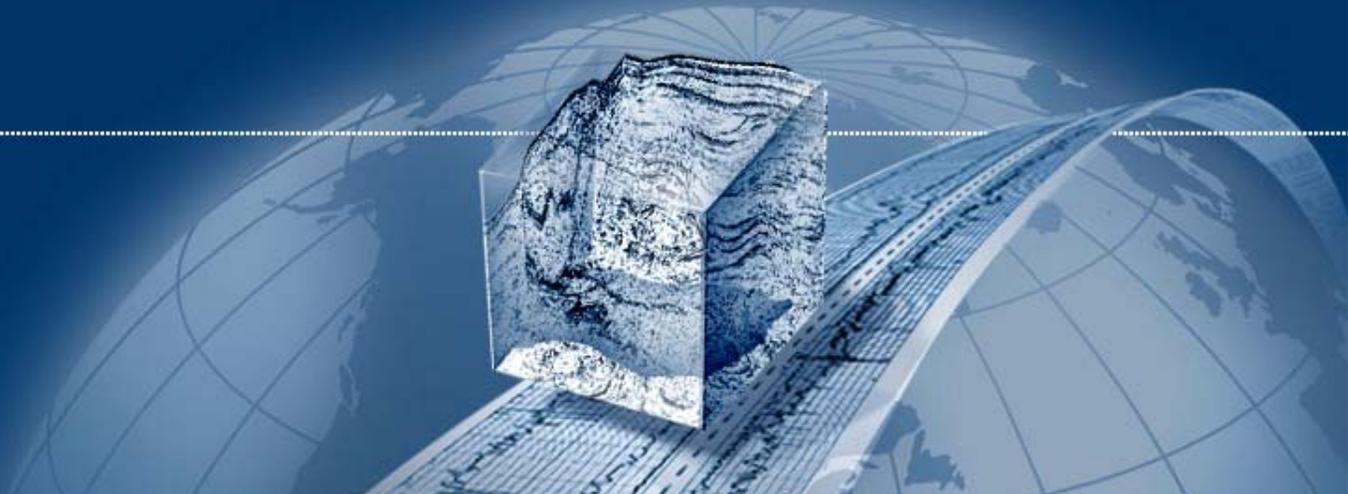
Geological Products



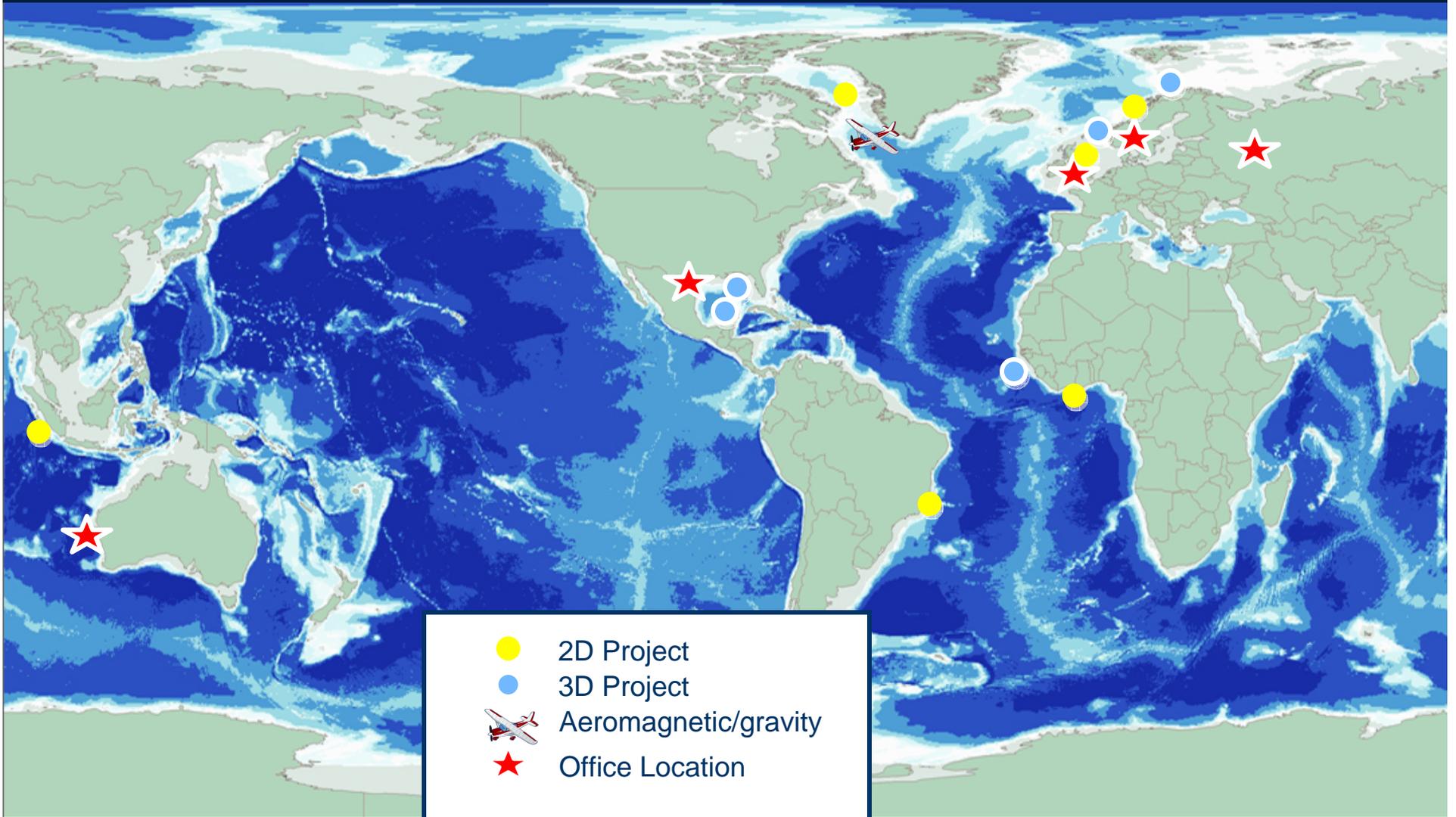
Imaging Services



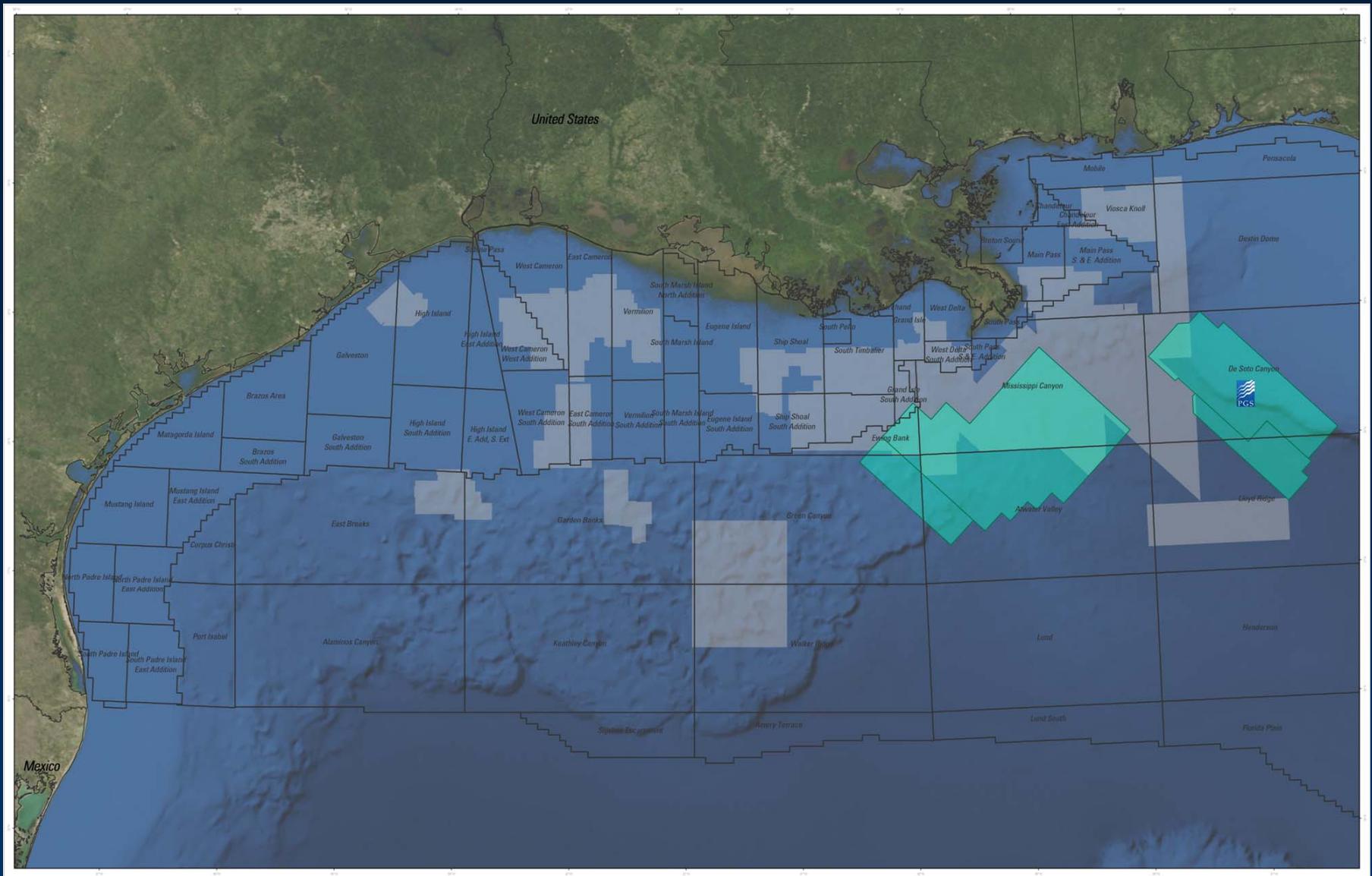
TGS-NOPEC Geophysical Company



H1 2009 Activity



New Activity- Gulf of Mexico

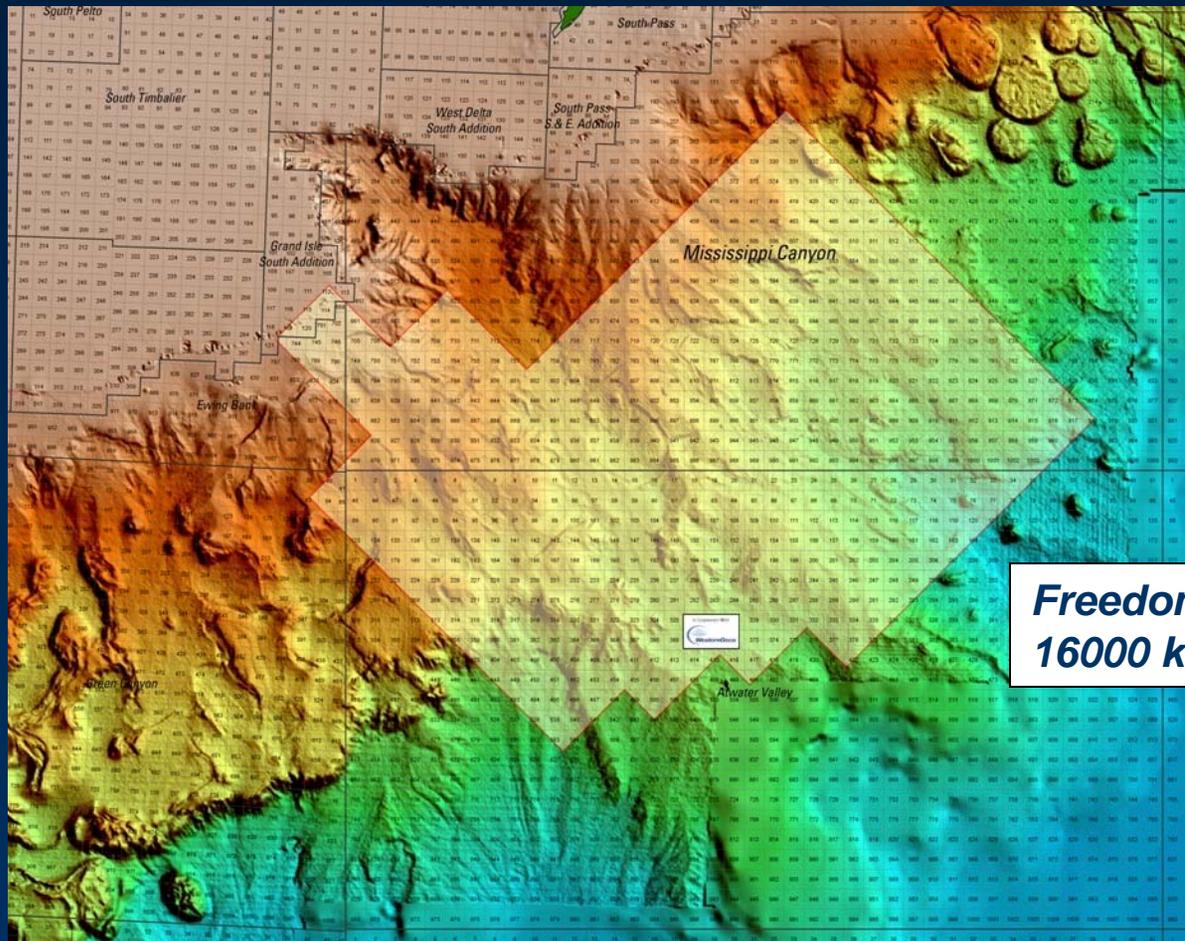


Central Gulf of Mexico Lease Sale

Total Bidders Compared to Acres Offered



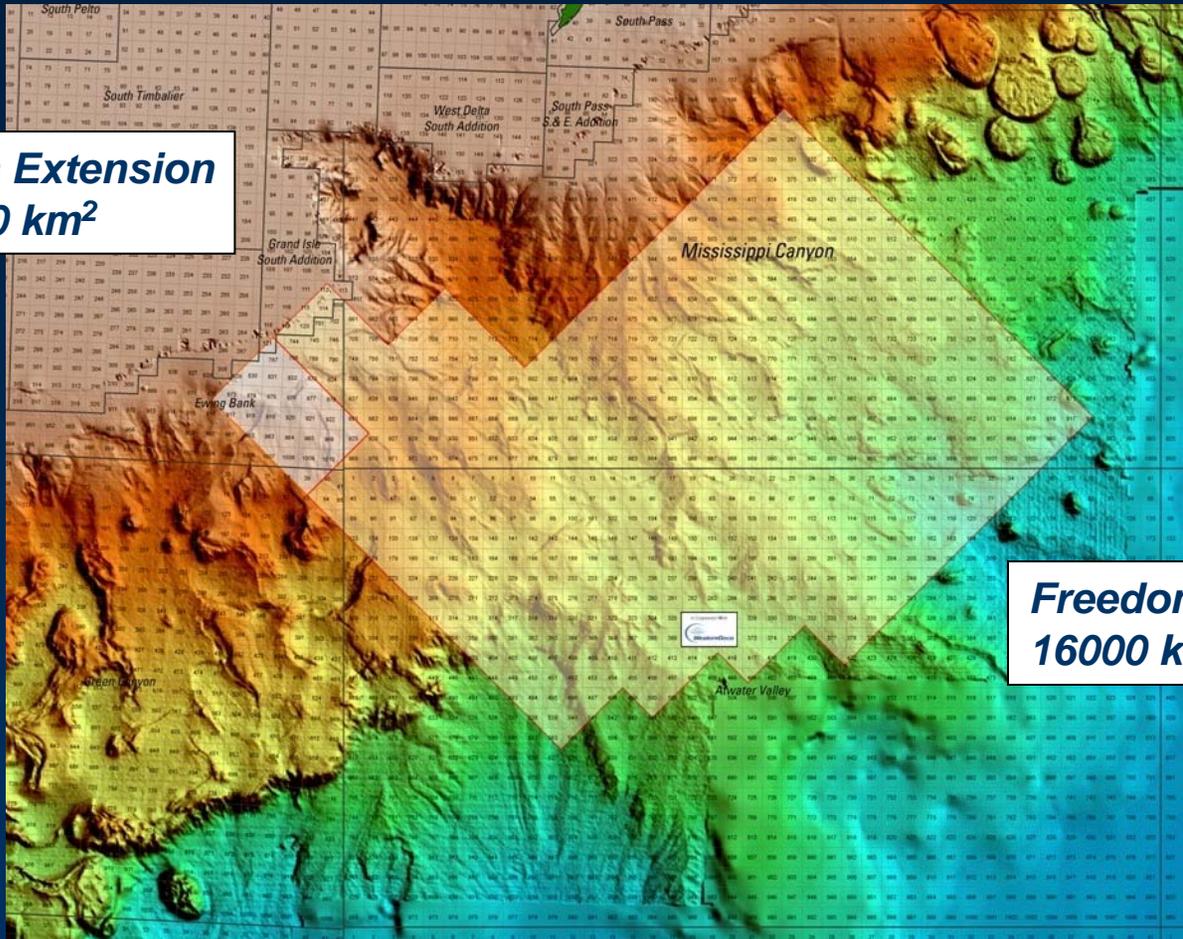
New Activity - GOM WAZ Programs



Freedom
16000 km²

New Activity - GOM WAZ Programs

Freedom Extension
700 km²



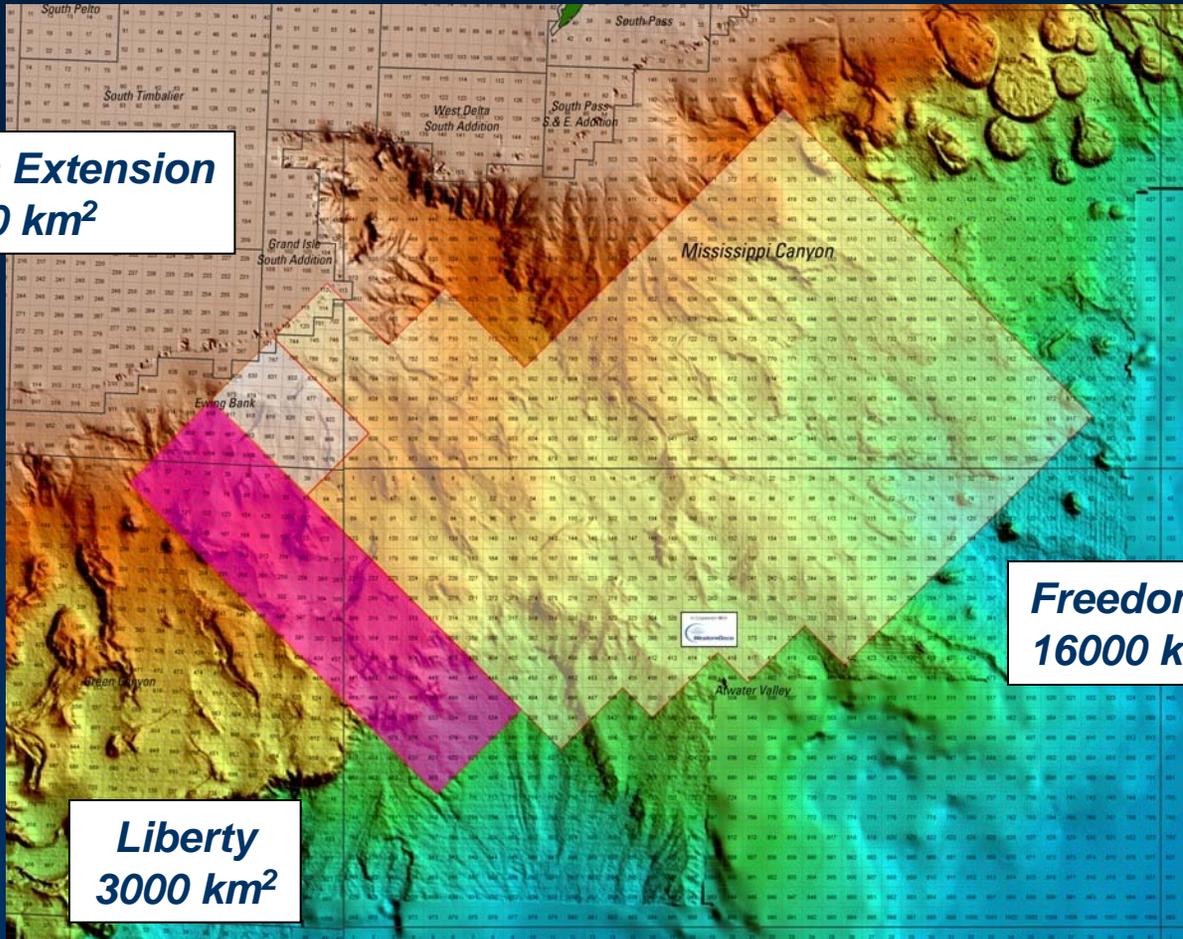
Freedom
16000 km²

New Activity - GOM WAZ Programs

Freedom Extension
700 km²

Freedom
16000 km²

Liberty
3000 km²



New Activity - GOM 3D Programs

Hernando 3D

Phase 1

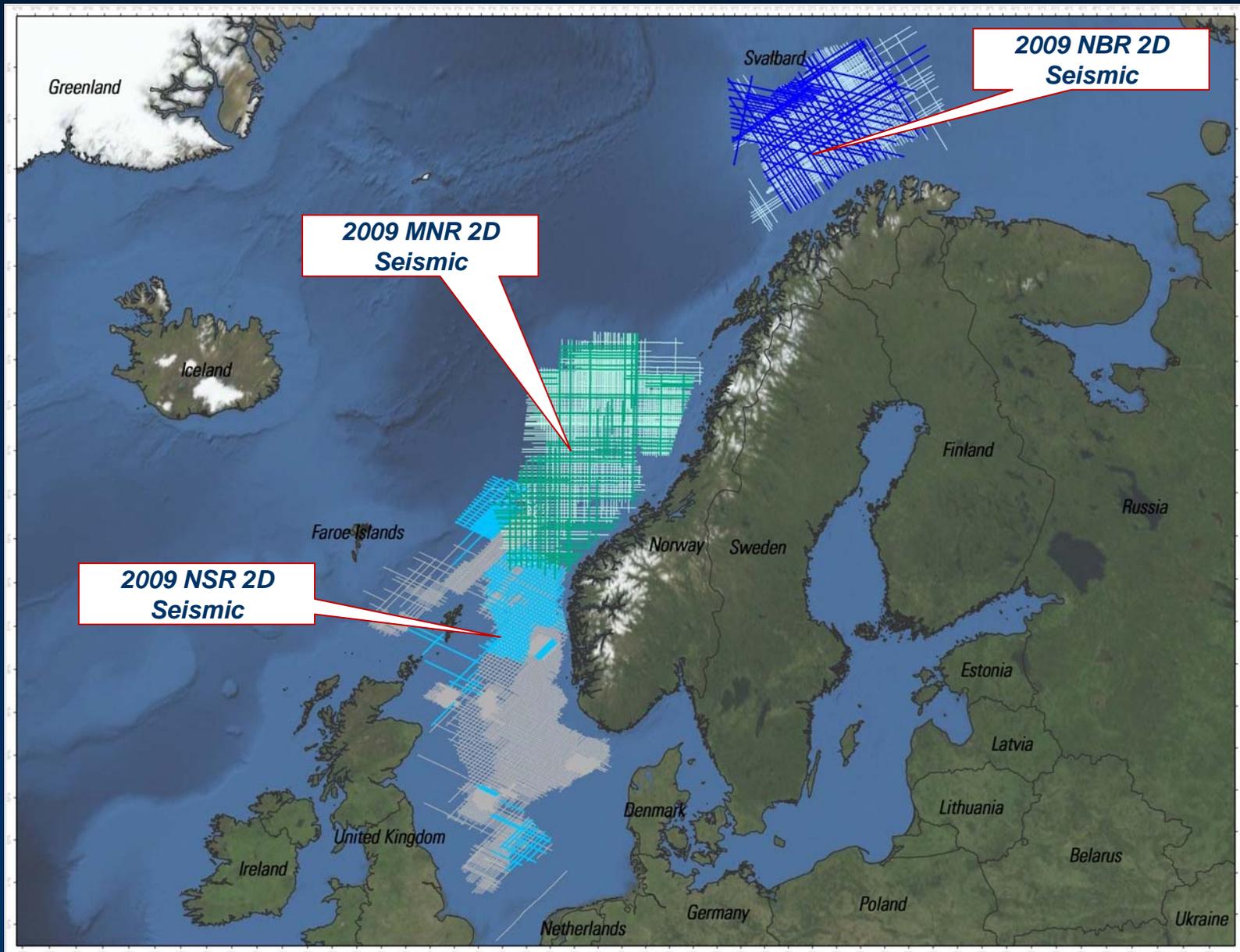
- Expanded original 300 block survey to 365 OCS blocks (8500 km²)
- In cooperation with PGS -costs and revenue on late sales split between parties based on proportional investment

Phase 2

- Additional expansion in progress



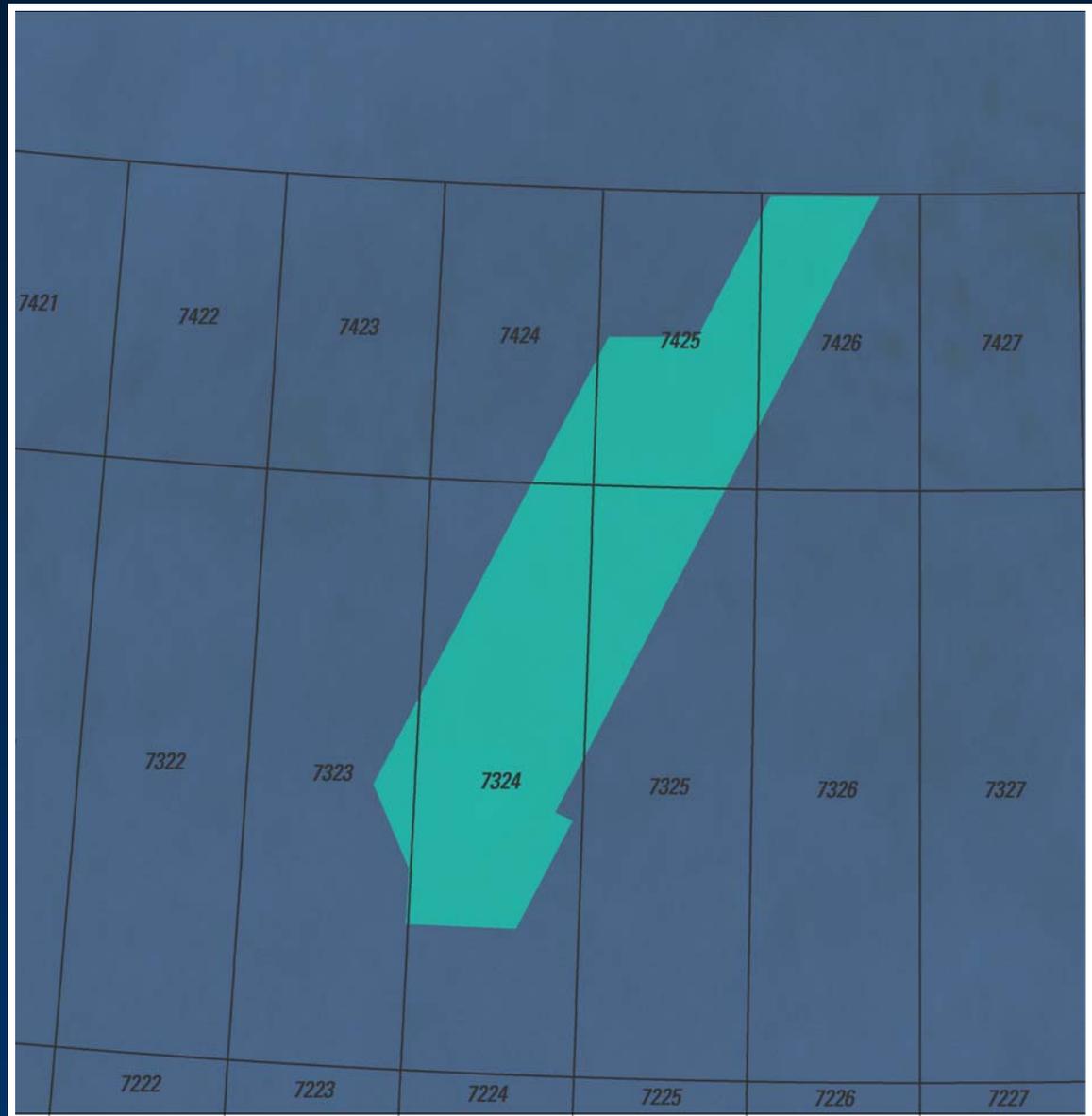
New Activity- Europe Renaissance



New Activity - Barents Sea

Hoop 3D

- 4300 km² over the Hoop Fault Complex in the Barents Sea
- Survey plan guided by 2D coverage and CSEM tests
- Coverage over open acreage and 20th Round award blocks
- 80% of acquisition to be completed by Q4



New Activity – North Sea

ESB09 3D

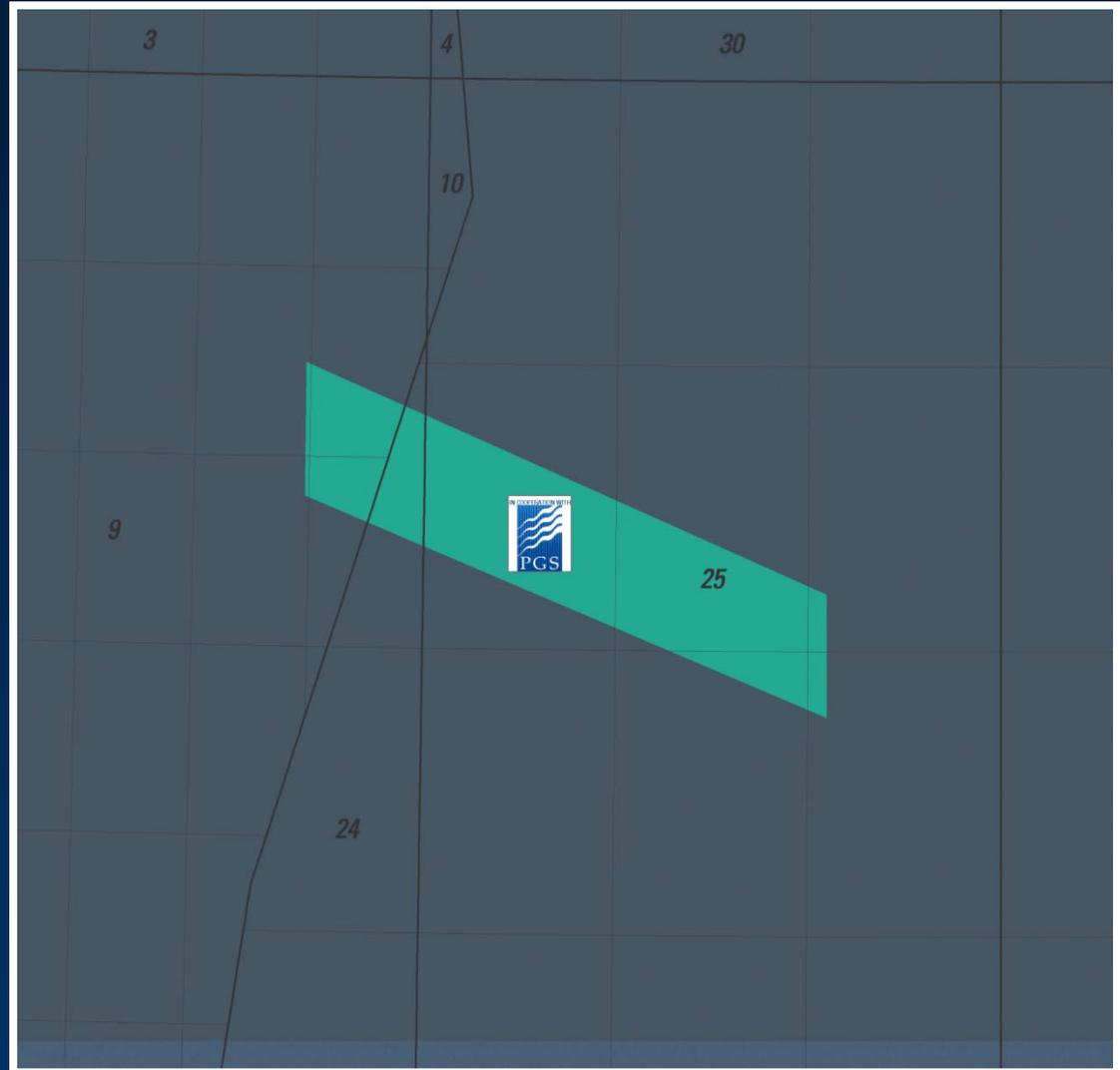
- 2,400 km² over a highly productive Quad 211 in the East Shetland Basin
- High Density 3D
- In cooperation with PGS



New Activity - Europe 3D Program

NVG09 3D

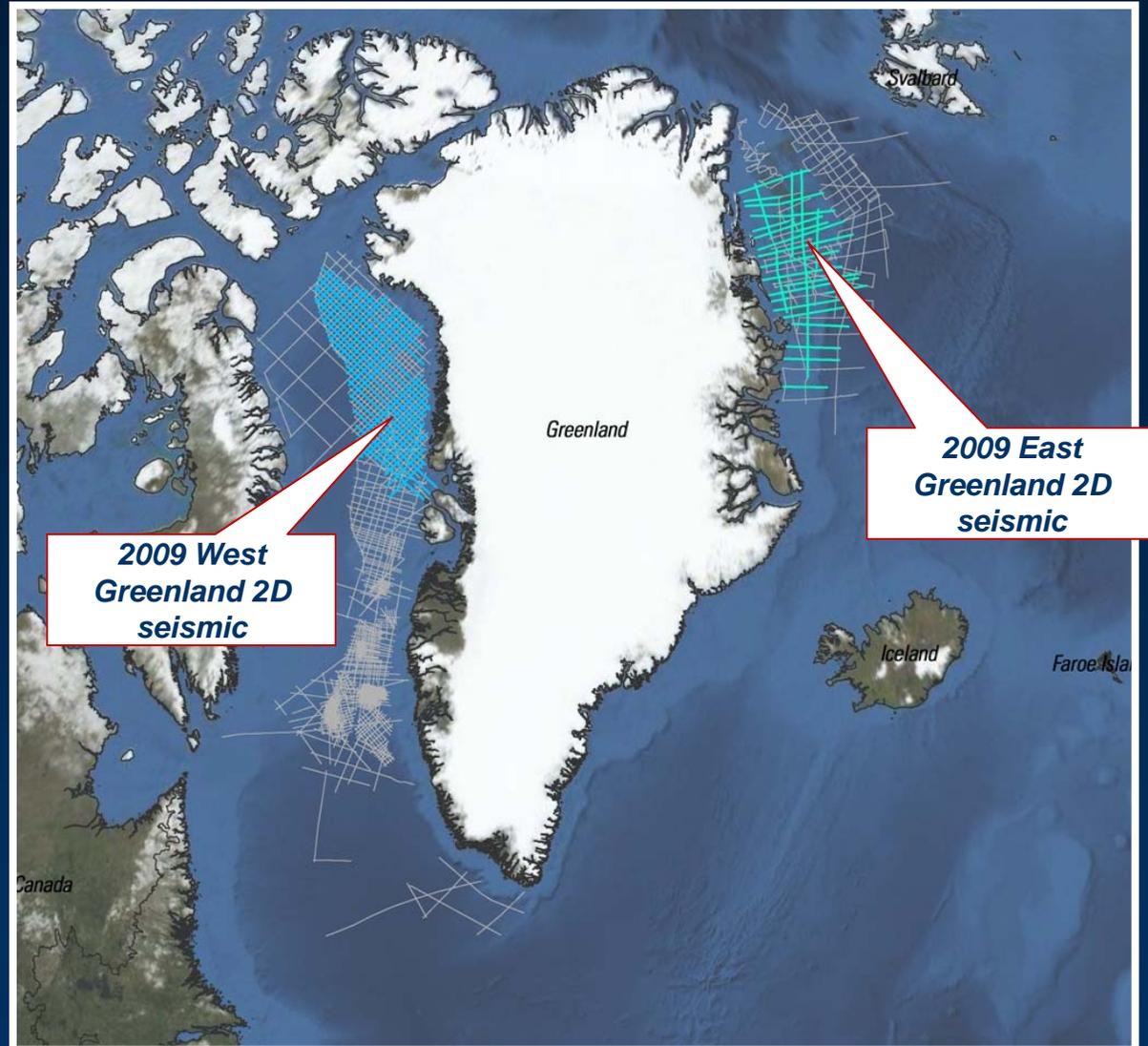
- 650 km² over the North Viking Graben
- Survey in cooperation with PGS
- Utilizing Geostreamer Technology
- Project completion Q1 2010



New Activity - Greenland

Greenland 2D Seismic

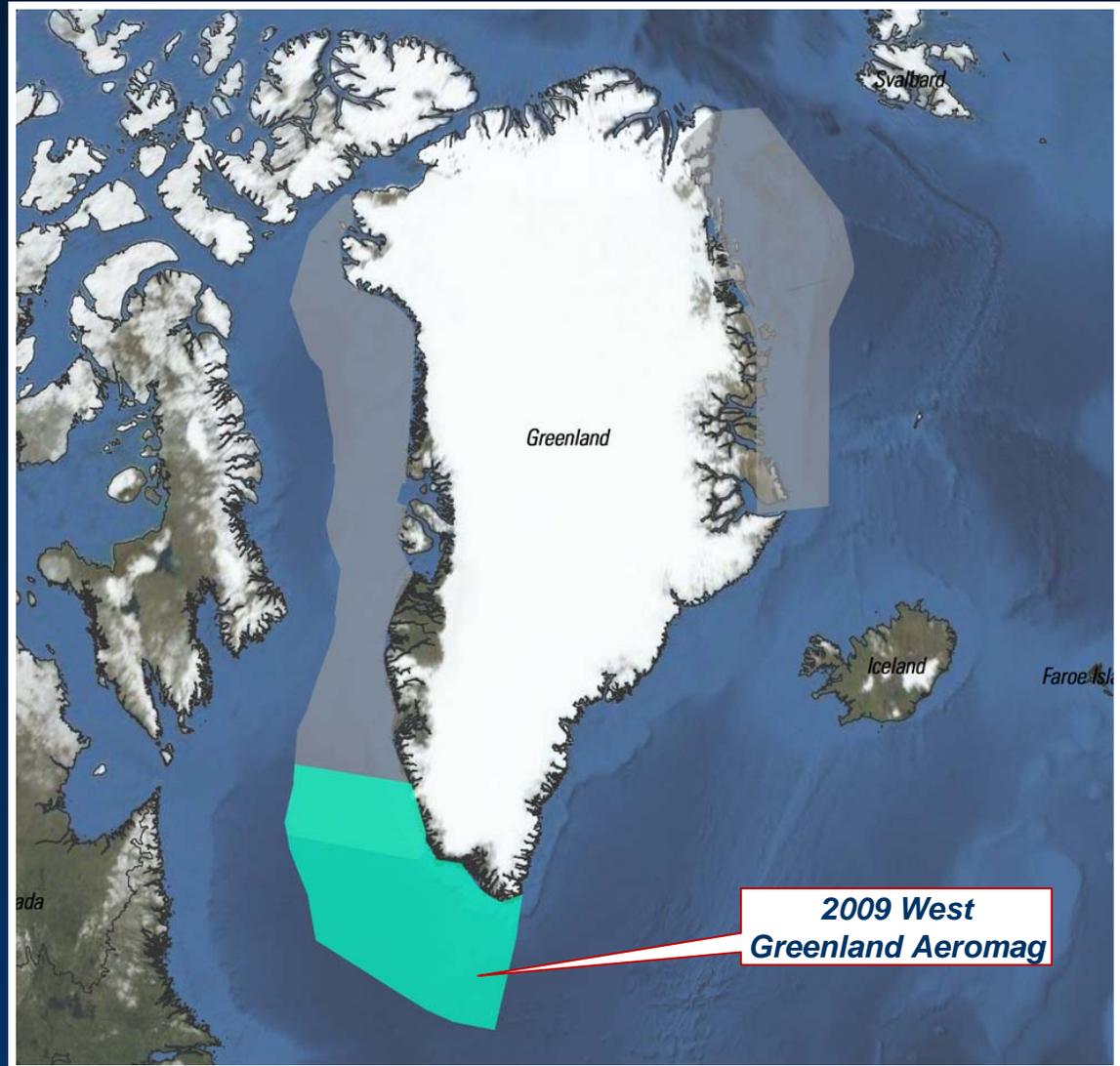
- Total 2D coverage - 56,885 kms
- 9,600 kms of 2D
- 10 years of consistent investment



New Activity - Greenland

Greenland Aeromagnetics

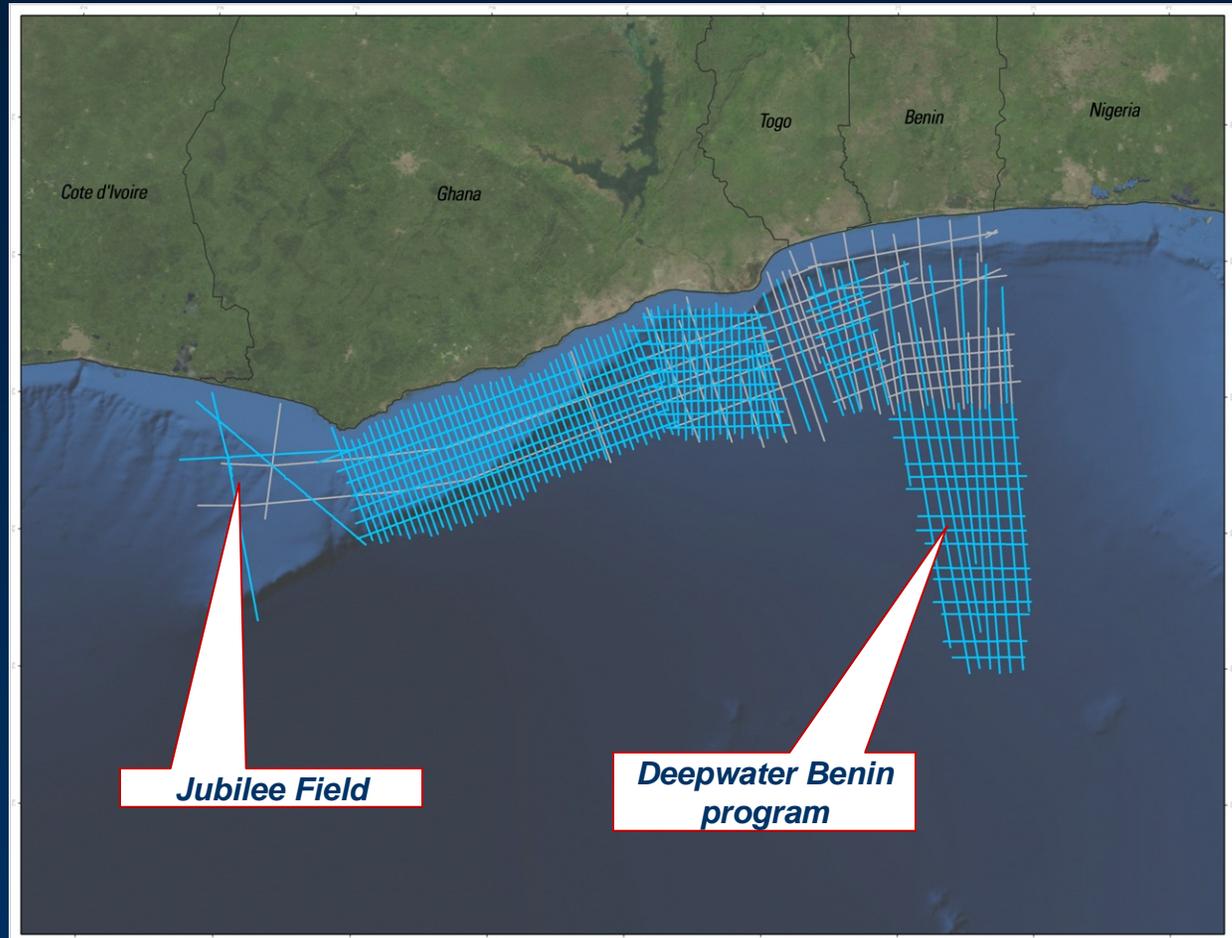
- Total Aeromag coverage – 248,315 kms
- 2009 program - 41,000 kms
- Geological Atlas



New Activity – West Africa 2D

West Africa Regional 2D Survey

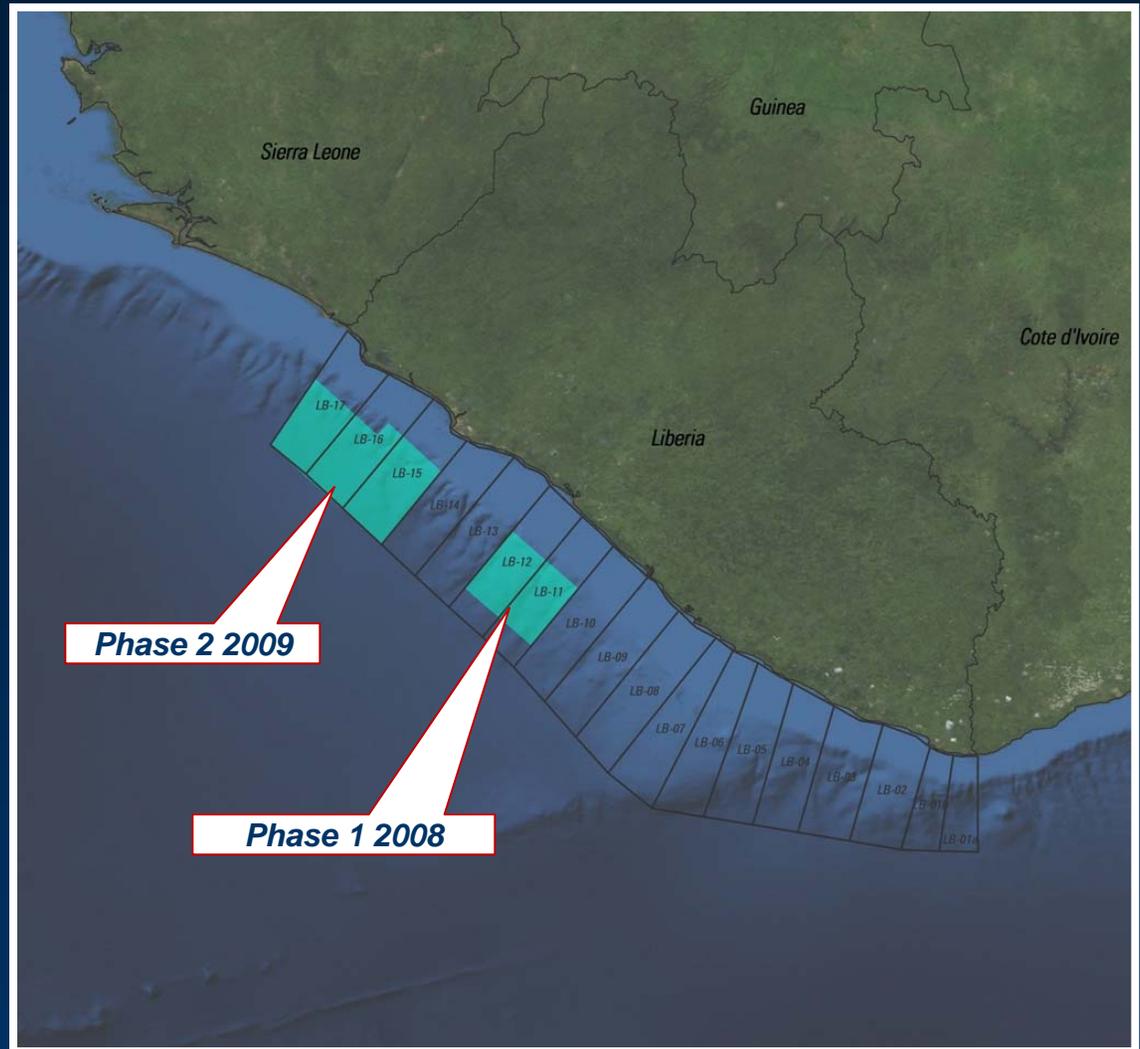
- Well-tie to significant recent discoveries in western Ghana
- 9,930 km completed in Ghana
- 3,500 km deepwater Benin project completed
- Both programs image open blocks with significant exploration potential



New Activity - Liberia 3D

Liberia 3D

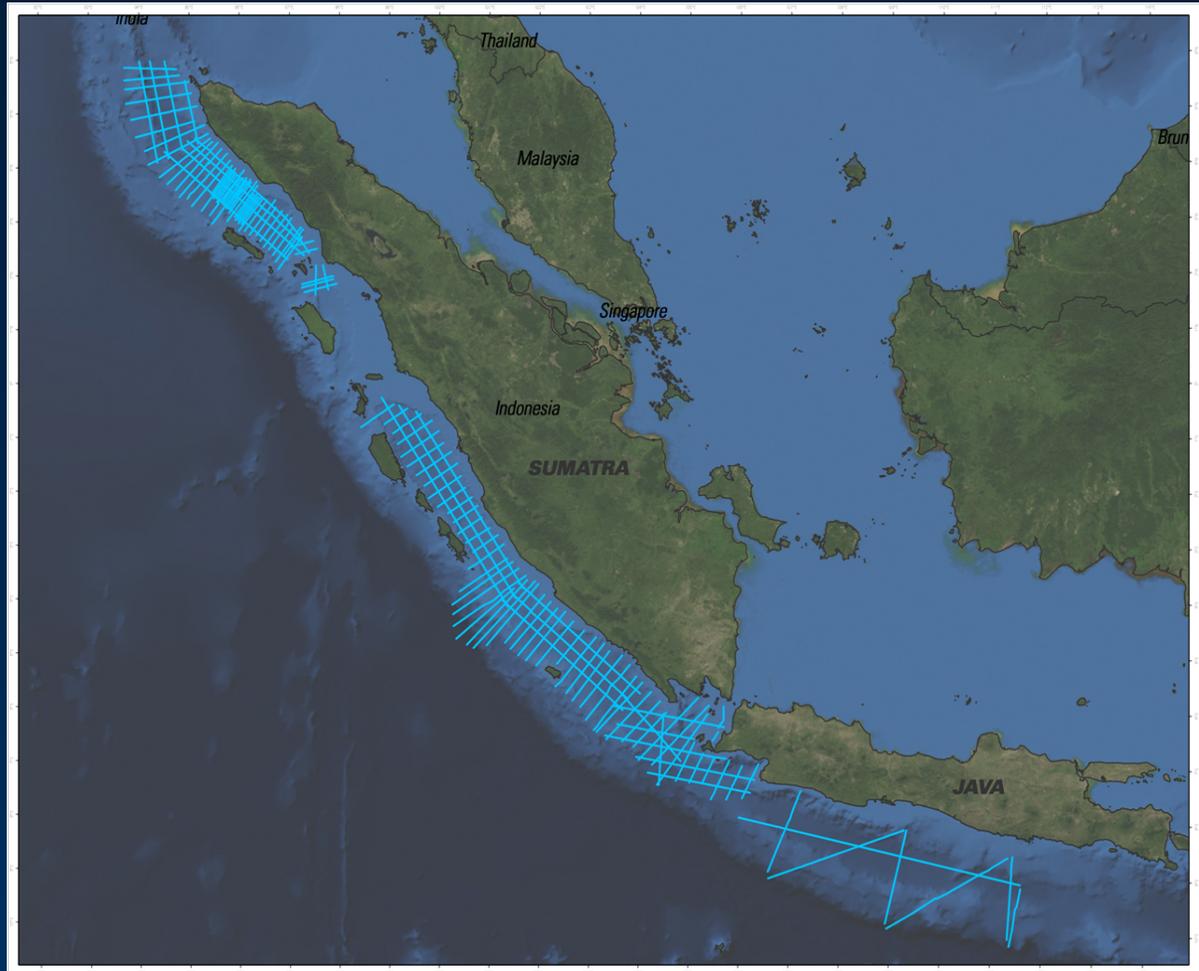
- **Phase 1 3D**
 - complete Q4 2008
 - 3000 km²
- **Phase 2 3D**
 - acquisition complete May 4, 2009
 - 6000 km²
- **Geological Setting**
 - Images extension of Cretaceous Play



New Activity - Sumatra

Northwest Sumatra 2D Seismic Program

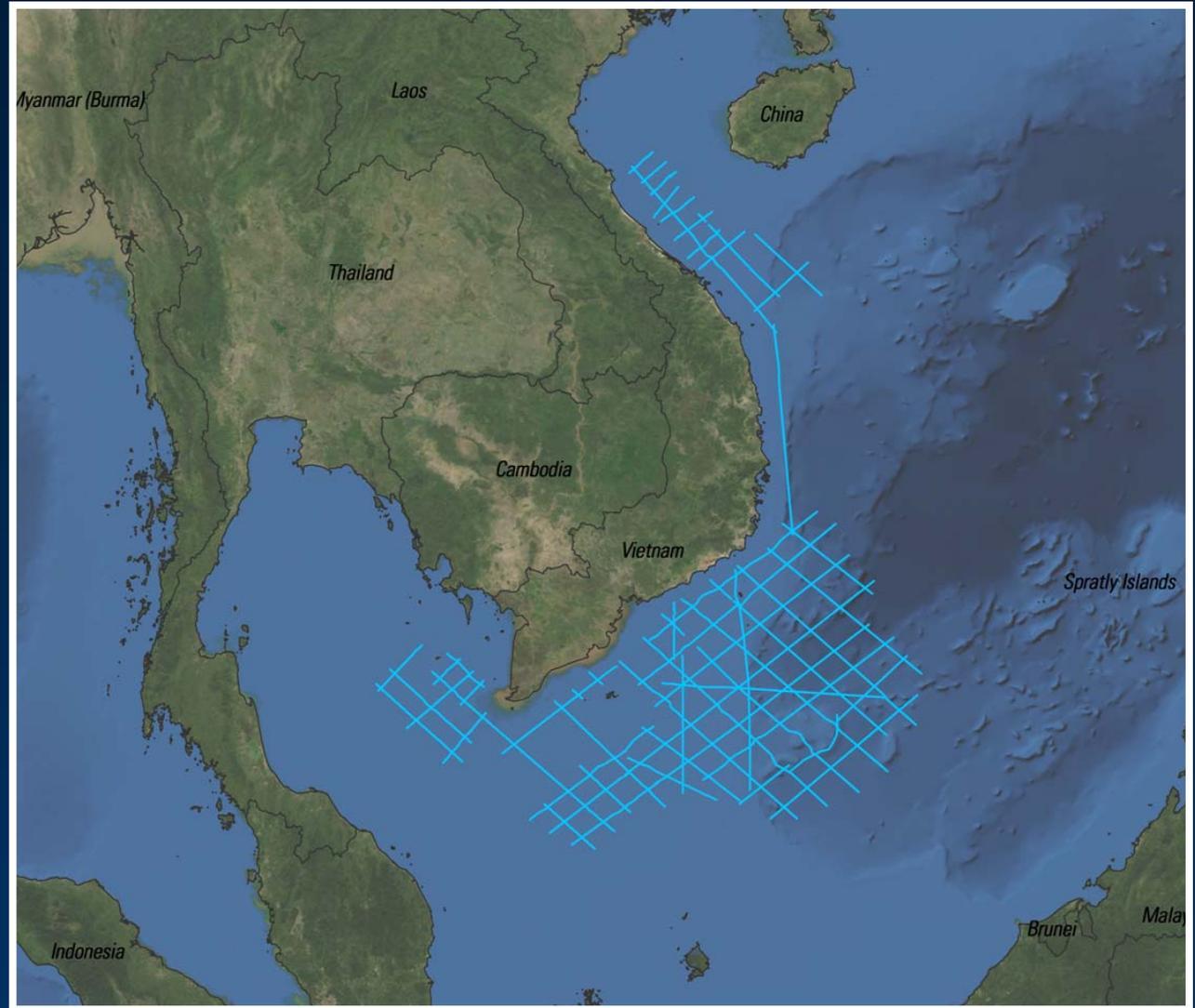
- 5,600 km of MC 2D
- Extended 1,800 km of regional coverage into S. Java
- Part of the 40,000 kms of the IndoDeep project
- Acquisition complete early Q3



New Activity – Vietnam 2D

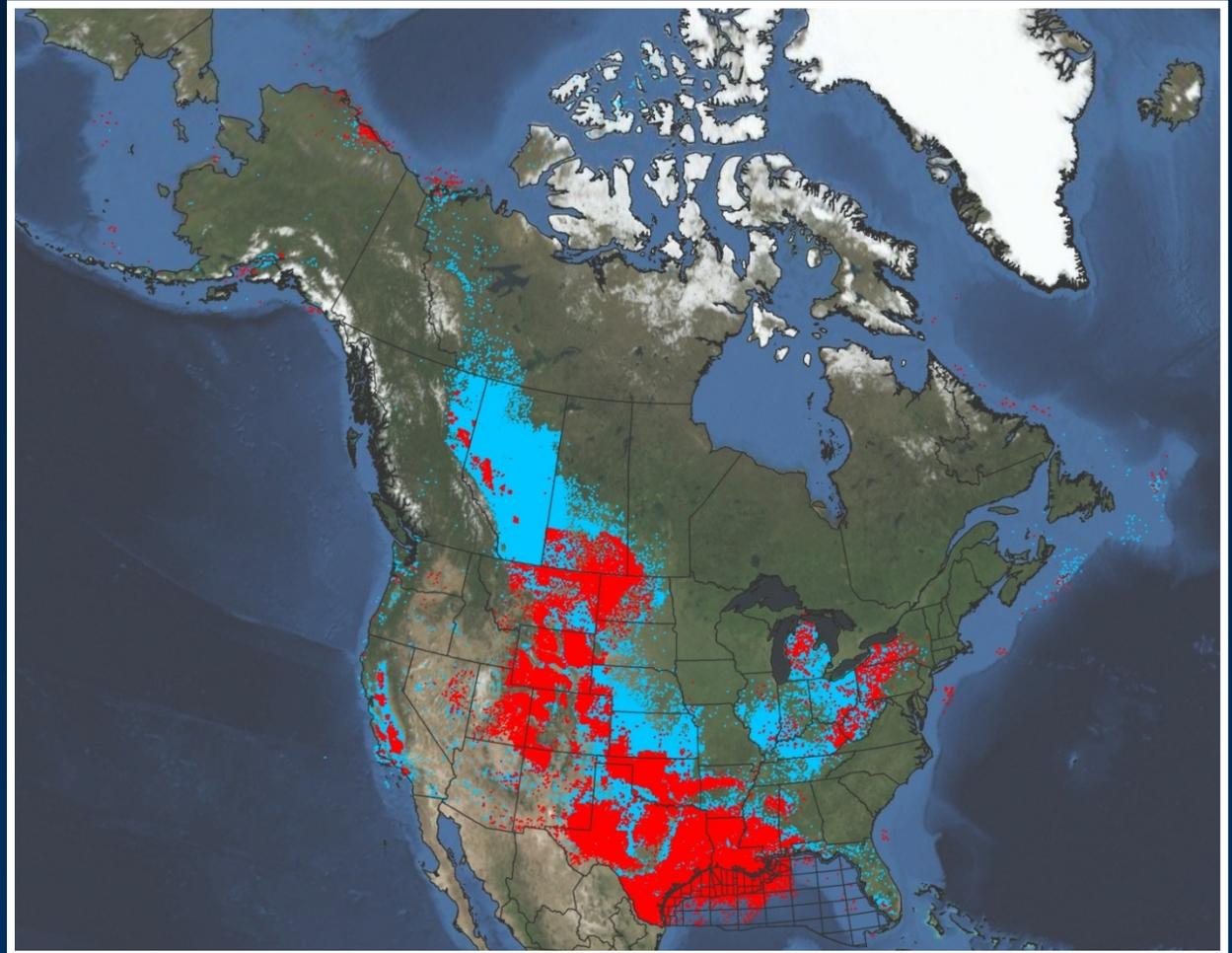
Vietnam 2D Seismic Program

- 14,430 km of MC 2D
- Pre-Stack Depth Migration imaging utilized

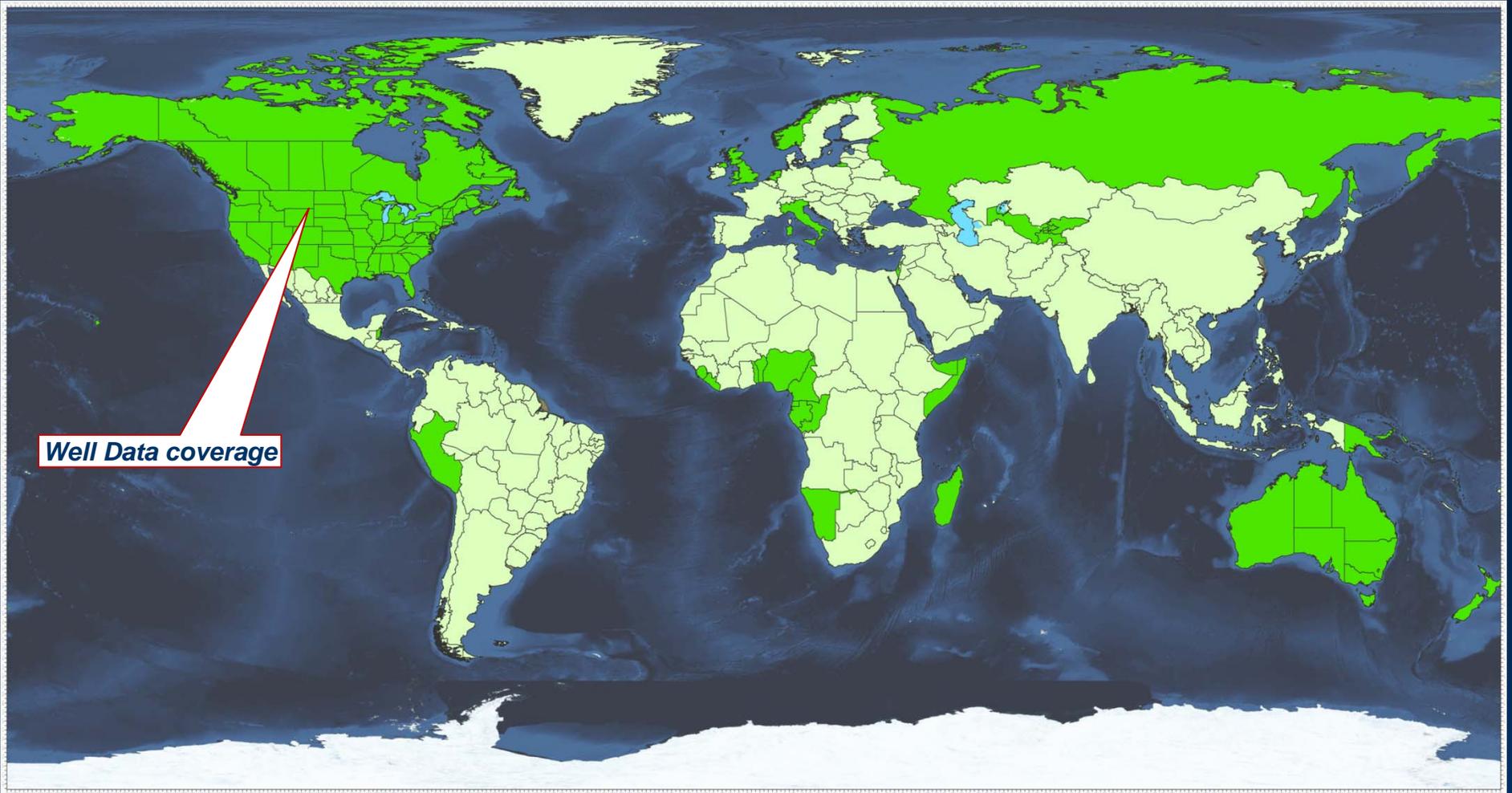


Digital Well Log Library

- Growth in wells inventory through agreements with individual states and customers
- 5.6M wells available for immediate download through LogLine Plus!
- Increased demand for fully digital LAS format
- 137% growth in creation of new LAS inventory in 2008
- Launch of Production Data offering
- Globalization of business model



Geologic Products - Well Log Globalization Effort

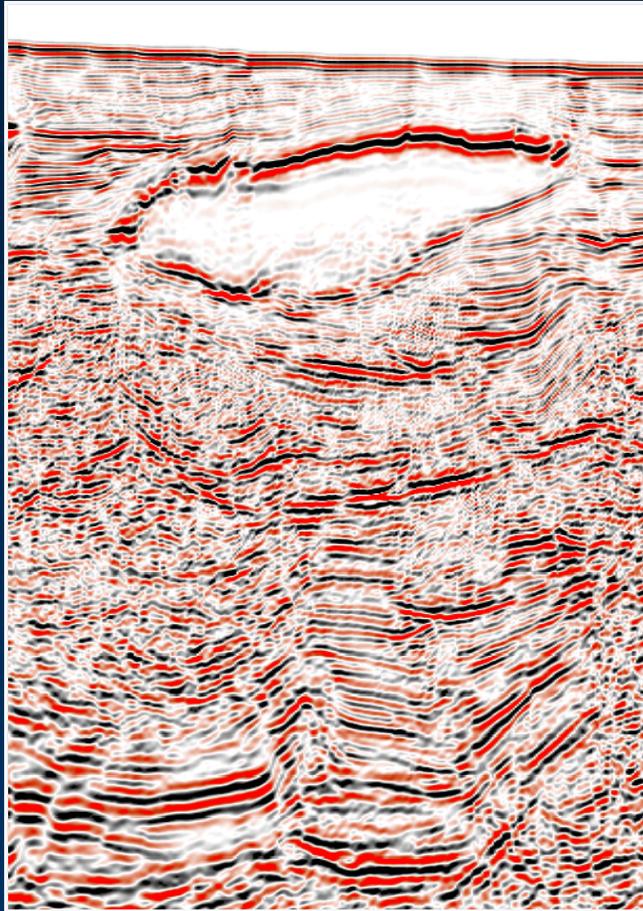


TGS Complex Imaging

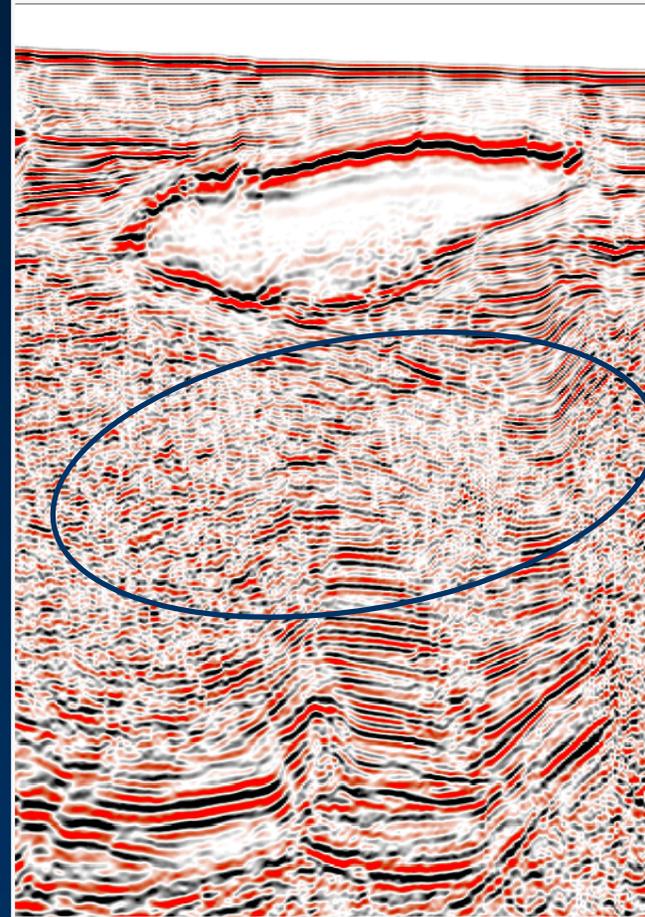


New Imaging Technology

True Azimuth Multiple Elimination (TAME™)

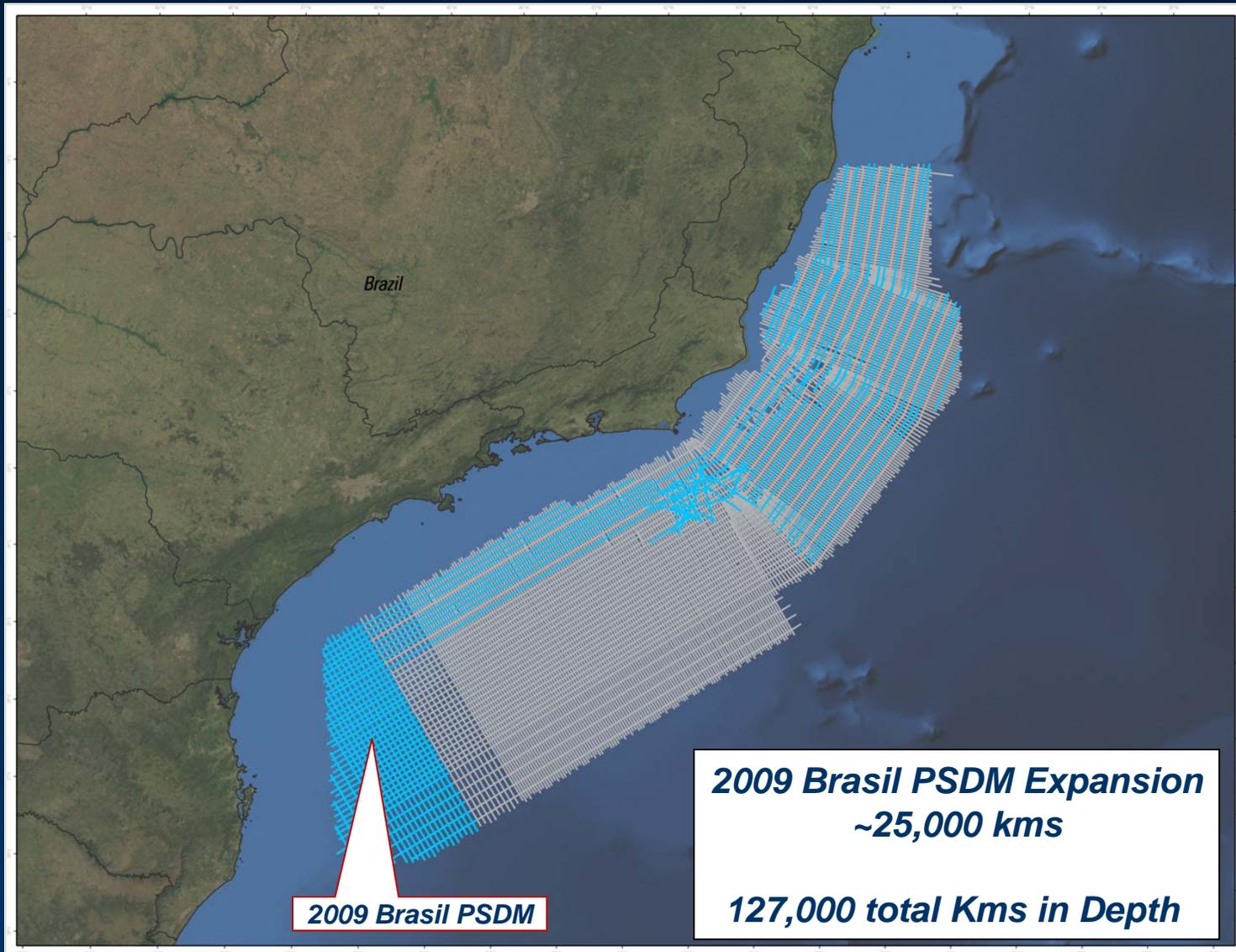


RTM of sail line without TAME™



RTM of sail line with TAME™

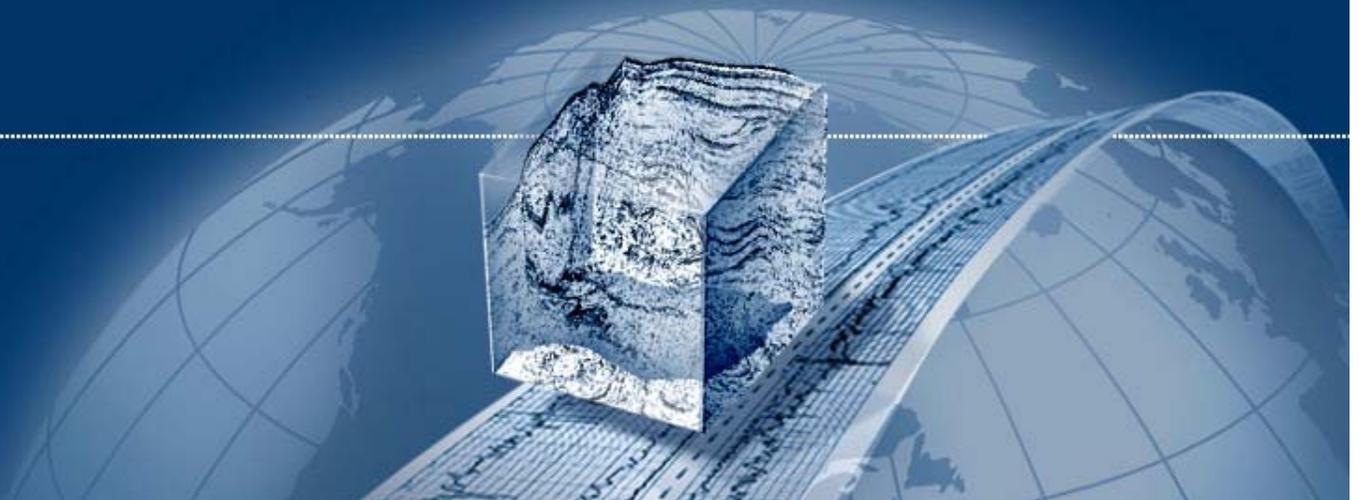
New Activity – Brasil PSDM



Outlook

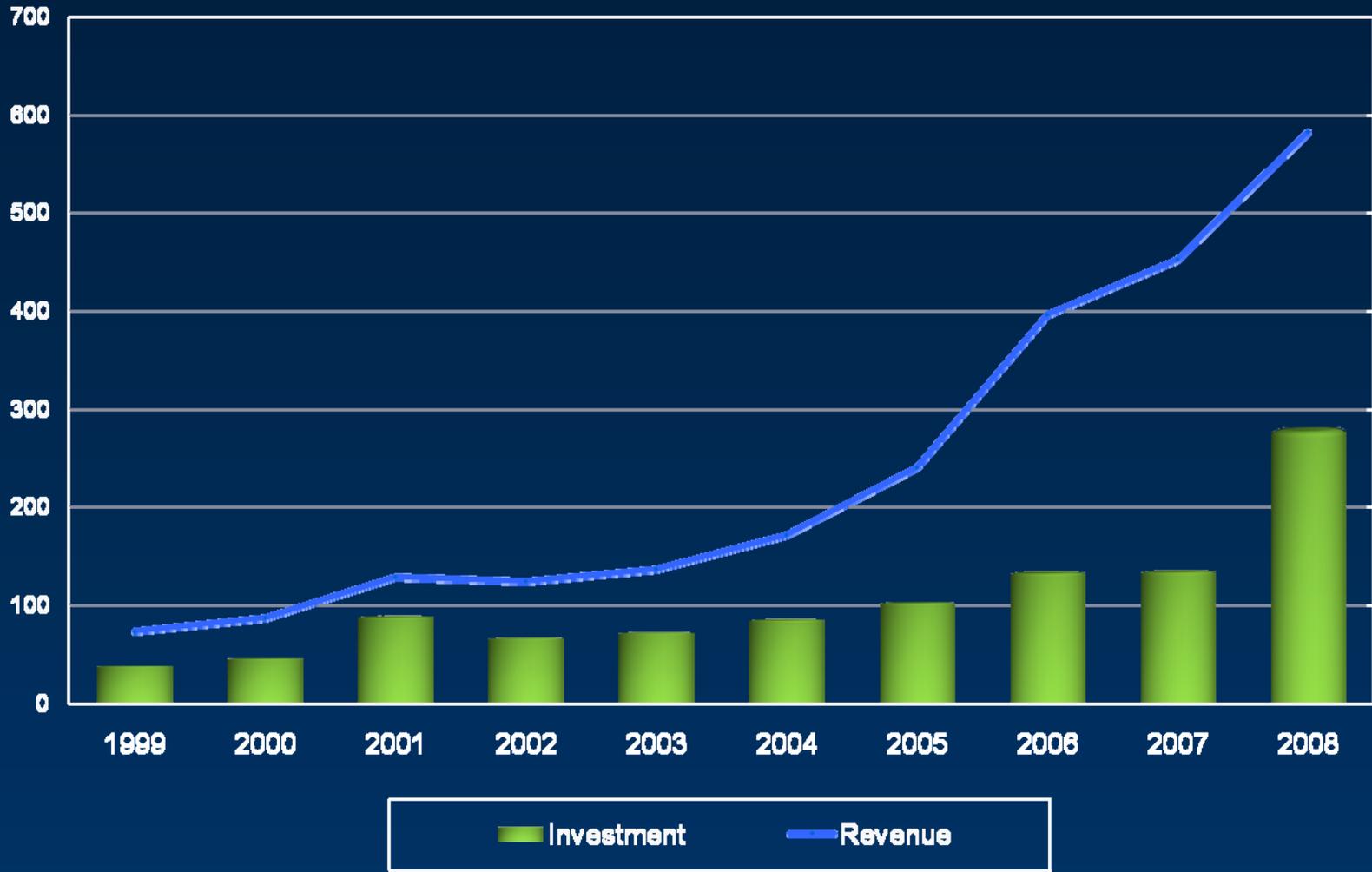


TGS-NOPEC Geophysical Company



Investments in Multi-Client Library

Investment vs. Revenue



Market Conditions

- Improved market for MC data from Q1 2009
- Customer spending patterns remain difficult to predict
- Cautious market environment prevails
- Flexible business model and strong balance sheet position us well
- Availability of vessels at favorable rates is growing
- Still view long term fundamentals with optimism
- Will maintain a cautious but opportunistic approach to new investment

TGS Vessel Commitments

	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			
Northern Genesis	Firm charter until March 2012																										
Mezen						Flexible option to use vessel																					
Bergen Surveyor						18 months firm charter agreement																					
Aquila Explorer																											
Geo Arctic						Fugro JV																					
Geo Baltic						Fugro JV																					
Hawk Explorer						Fugro JV																					
3D Capacity																											
Geo Barents	Firm charter								Extension																		
BOS Arctic	Firm charter										12 months optional extension																
Wave vessel(s)	24 months option for 8-10/12 streamer vessel(s) valued for 4 years																										
Ramform Viking						PGS		JV																			
WG mcWaz crew						WesternGeco JV (Freedom Waz)							Liberty Waz														

LOI with Polarcus

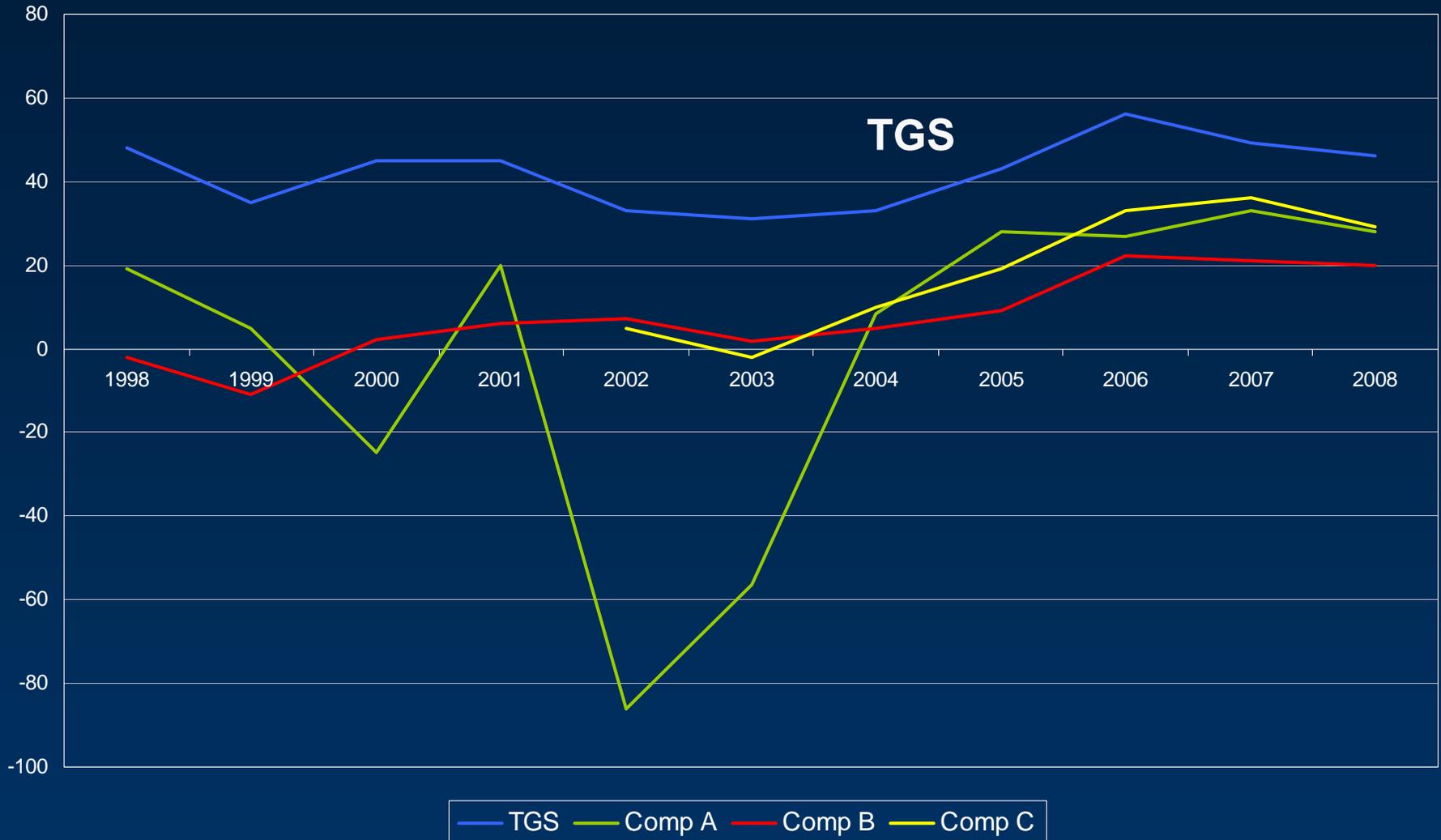
- **Announced September 2**
- **Charter of first released vessel *MV Nadia* (12 streamer)**
- **Initial survey to commence in December 2009 for approximately 3 months**
- **Options for two 6-month extensions at fixed commercial rates**
- **Conditional upon sufficient prefunding from clients**
- **Win-Win for both companies**

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**
- **Cost reduction plan implemented in Q2**
- **Continuously evaluate opportunities to invest more and grow market share**

TGS Performs in all Cycles!

Profit Margin (EBIT) vs. Peer Group



Solid data from a solid company.

