



Q4 & FY 2022 FINANCIAL RESULTS

March, 2023

[cgg.com](https://www.cgg.com)



Our sustainability contribution and ESG ratings

Energy companies CO₂ footprint reduction

More accurate drilling locations to avoid hazards and optimally target reservoirs

Energy transition

Supporting the transition to a lower carbon future

Energy companies internal efficiency

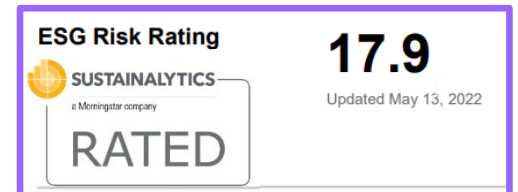
Expertise & HPC resources & digital platform to optimize decisions process

Earth observation & monitoring
Environmental science

Improving awareness of local and global environmental changes



#1-3 among the Oilfield Services



#2 among the Energy Services





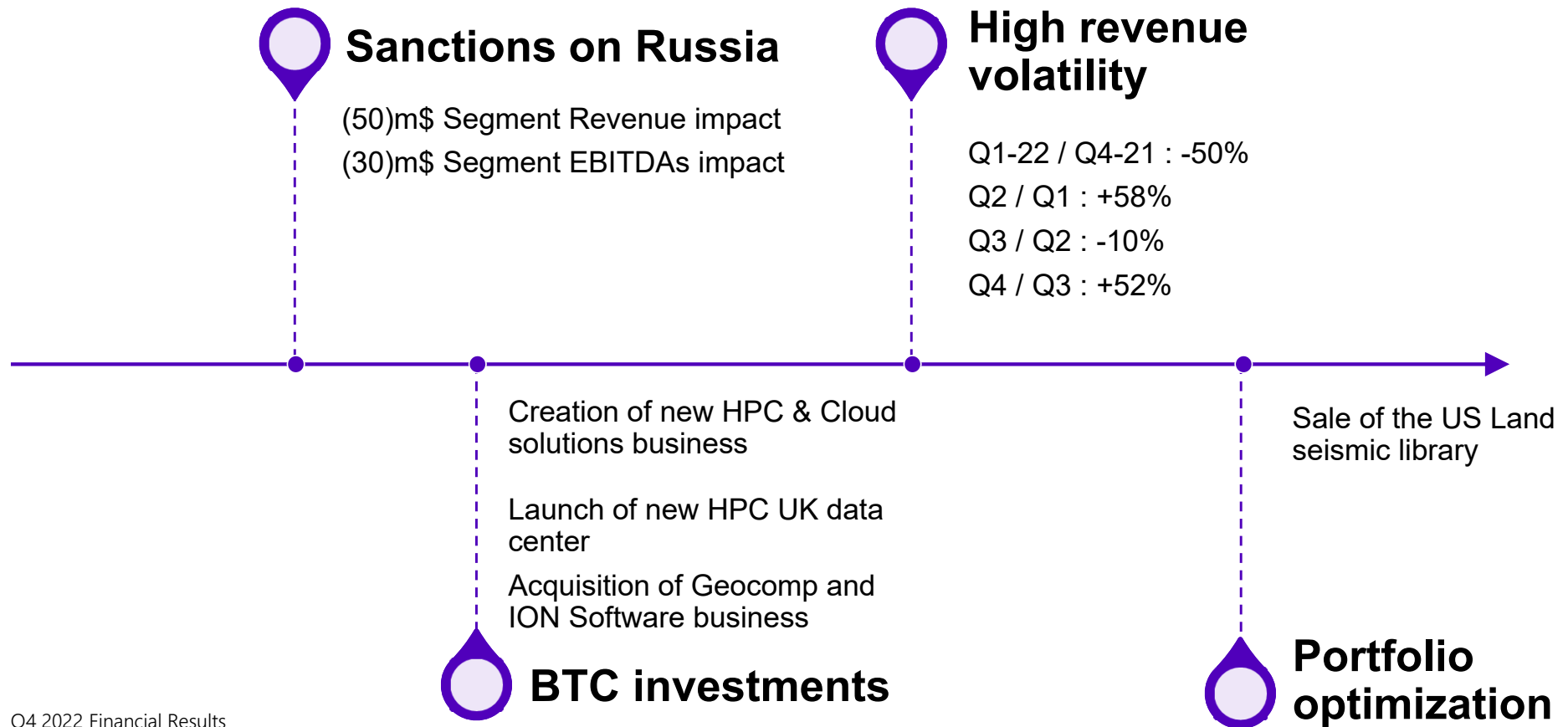
Q4 & FY 2022 Key segment financial highlights

	REVENUE	ADJUSTED EBITDAS	NET CASH FLOW
Q4 2022	\$319 million up 6% y-o-y	\$159 million a high 50% margin	\$62 million including \$63 million proceeds from the sale of the US land seismic library
FY 2022	\$928 million up 3% pro-forma* y-o-y	\$395 million up 17% y-o-y, a 43% margin	\$(3) million including \$(51) million change in working capital
Liquidity of \$398 million, including \$100 million undrawn RCF			

*Pro-forma indicators represent supplementary information adjusted for GeoSoftware and Physical Asset Storage and Services businesses sold in 2021



2022 A year of transition, volatility and investment into the future





2022 Beyond the Core main achievements



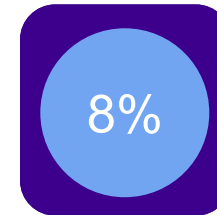
Digital

- HPC & Cloud test pilots, building up opportunities for 2023
- Launch of construction of a new large UK HPC center
- Partnership with 2CRSI for joint business development & sales
- Several Data Transformation pilots and full-scale project with BP



Energy Transition

- Several screening/characterization projects for Minerals & Mining
- First multi-client project in North America for Minerals & Mining
- Integrated CCUS data packages in North Sea and US GoM
- ~ 20M\$ sales of CCUS data – North Sea and Australia



BTC % of
total segment
revenue



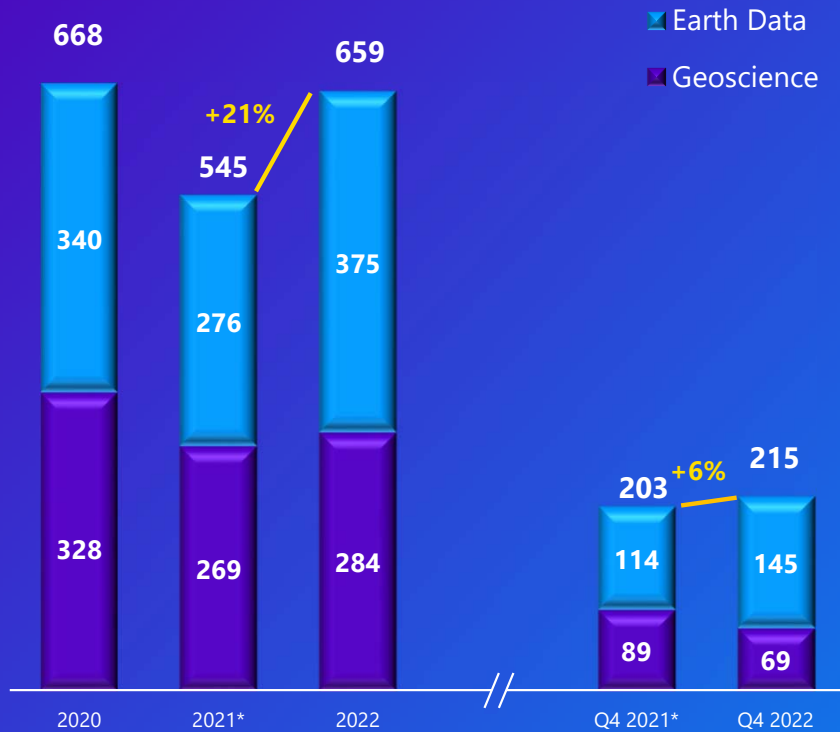
Infrastructure Monitoring

- 3 monitoring projects in France, including a stadium
- 1 pilot monitoring of a cable stayed bridge in Houston with TX DOT
- Acquisition of Geocomp – a US expert in geotechnical engineering and infrastructure monitoring

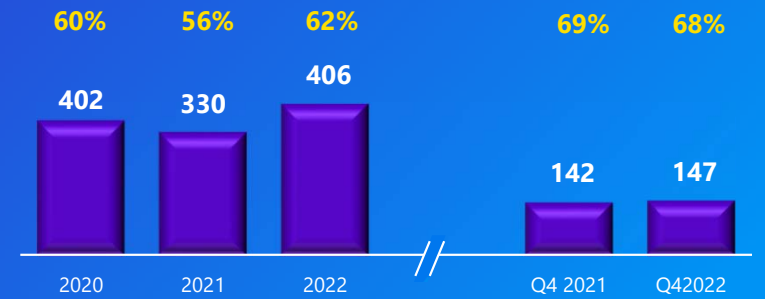


Data, Digital and Energy Transition key financial indicators

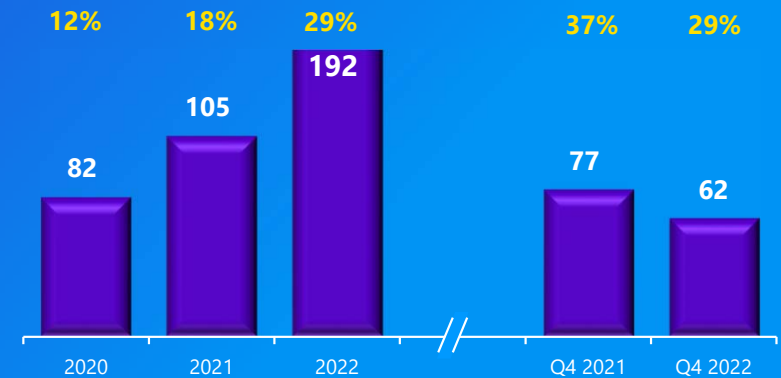
SEGMENT REVENUE (\$m)



ADJUSTED SEGMENT EBITDAS (\$m) & MARGIN (%)



ADJUSTED SEGMENT OPINC (\$m) & MARGIN (%)



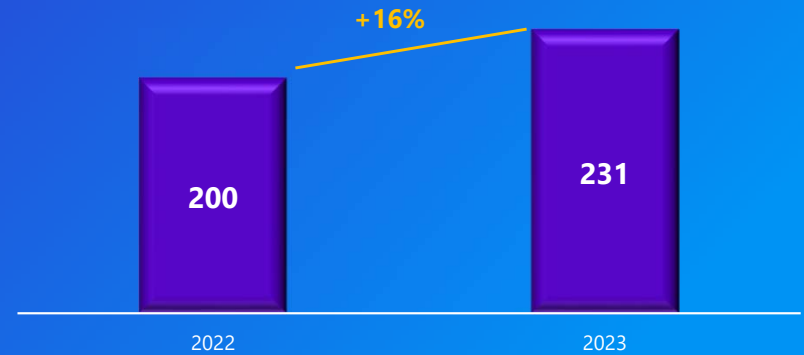


Geoscience key business indicators

TOTAL PRODUCTION (\$m)



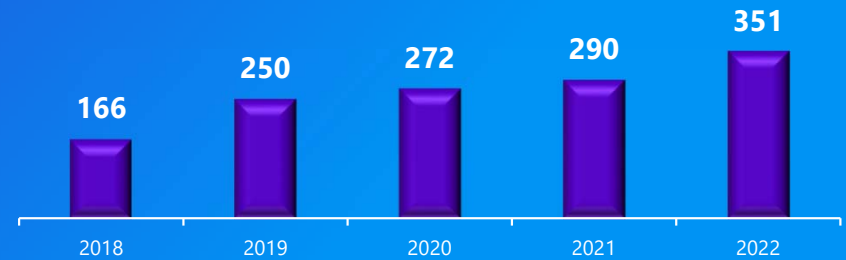
BACKLOG AS OF JANUARY 31 (\$m)



TOTAL PRODUCTION / HEAD (\$K)

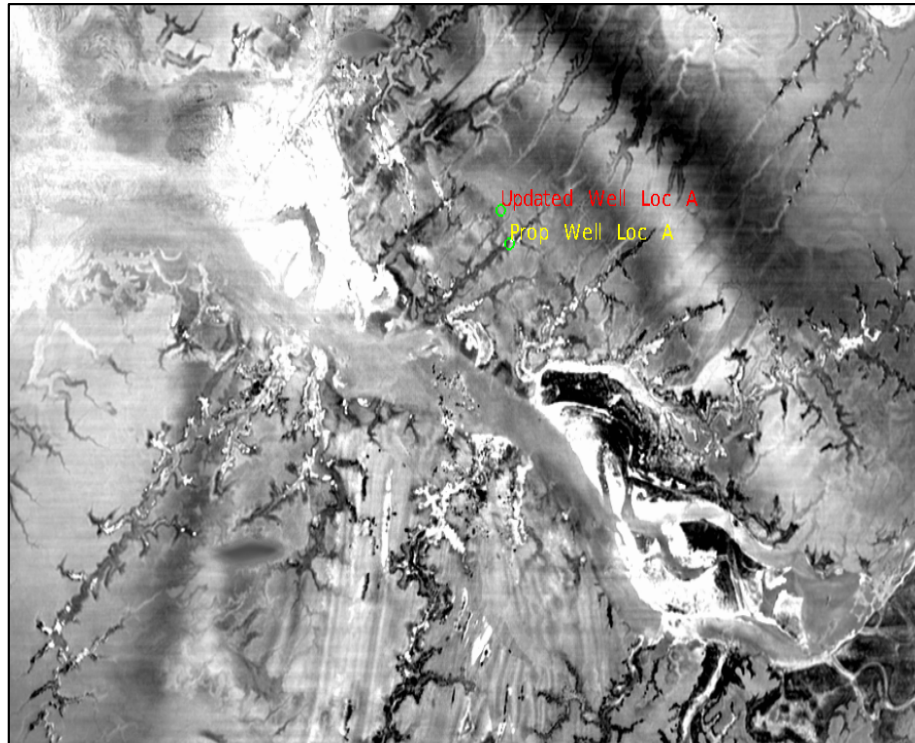


COMPUTING POWER (PFLOPS)





Geoscience Q4 operational highlights



Least-Squares Wave-Equation Multiple Migration (LSWEMM) for high-resolution shallow geohazard imaging

Subsurface Imaging

- Solid backlog going into 2023 driven by OBN data and high-end processing technology
- External order intake value up 26% year-on-year, with large projects started in Q4
- Quarterly performance impacted by changes in project delivery timeline with slight decrease sequentially

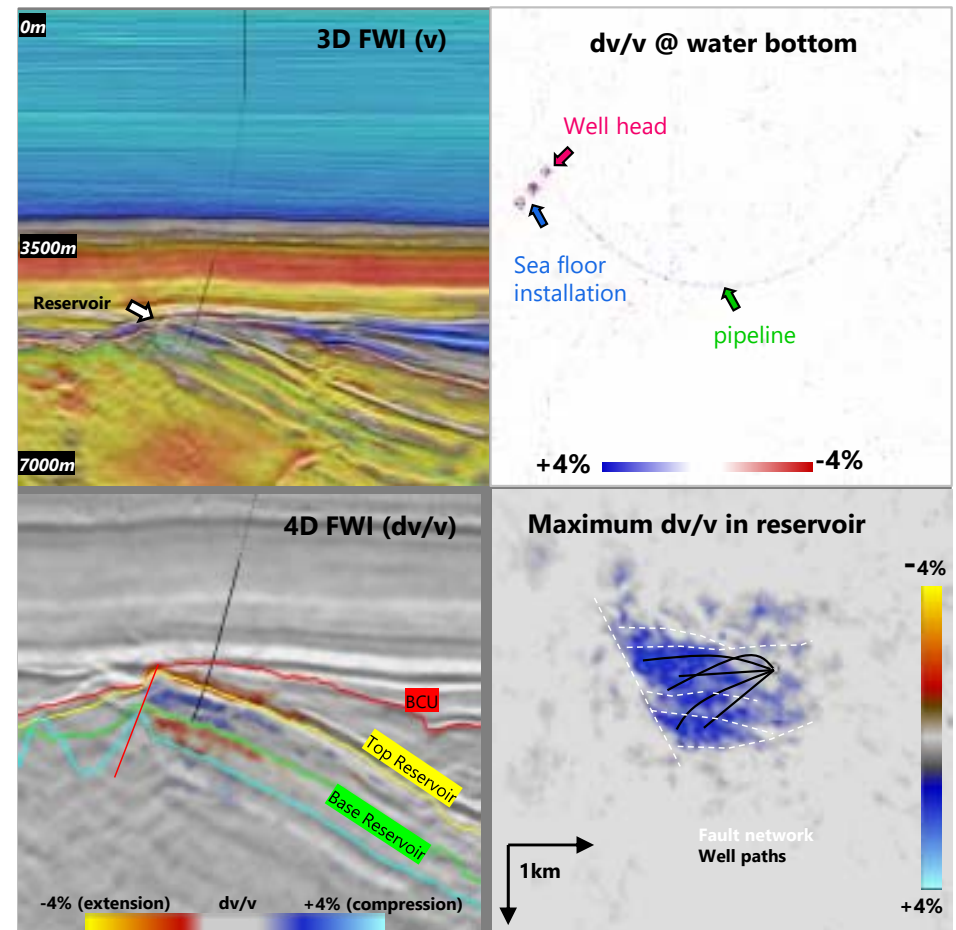
Beyond the Core

- Continued development of Data Hub activity with strong leads for growth
- Sustained and increasing commercial activity for energy transition and low carbon solutions in Northern Europe

Geoscience continue to advance in FWI technology

Best in class results around the world for imaging and characterization of reservoirs

- Most advanced seismic resolution
- More accurate physics for better focusing and higher Signal/Noise ratio
- Time-lapse FWI for reservoir compartmentalization delineation by detecting the velocity change over time with full wavefield



4D 20Hz FWI suggesting compartmentalization in depleted North Sea reservoir

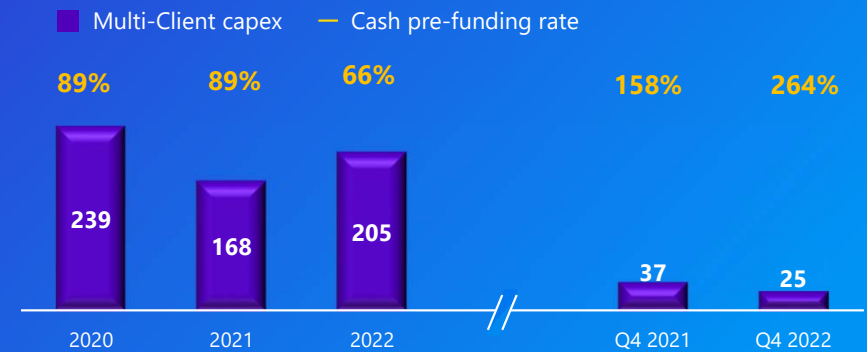


Earth Data key business indicators

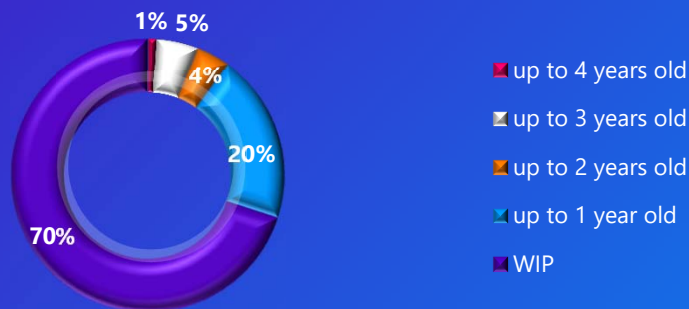
EDA REVENUE (\$m)



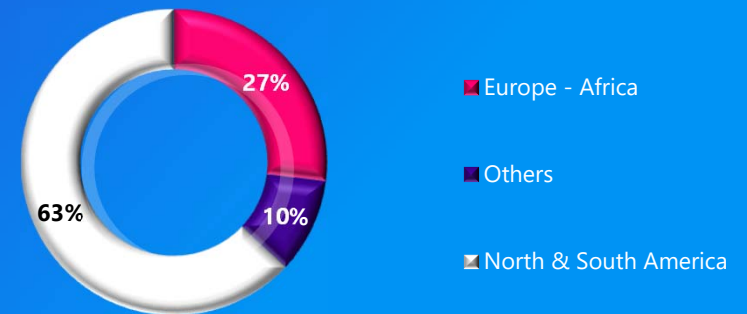
EDA CAPEX (\$m) & PRE-FUNDING (%)



DATA LIBRARY NBV SPLIT AS OF 12/31/22

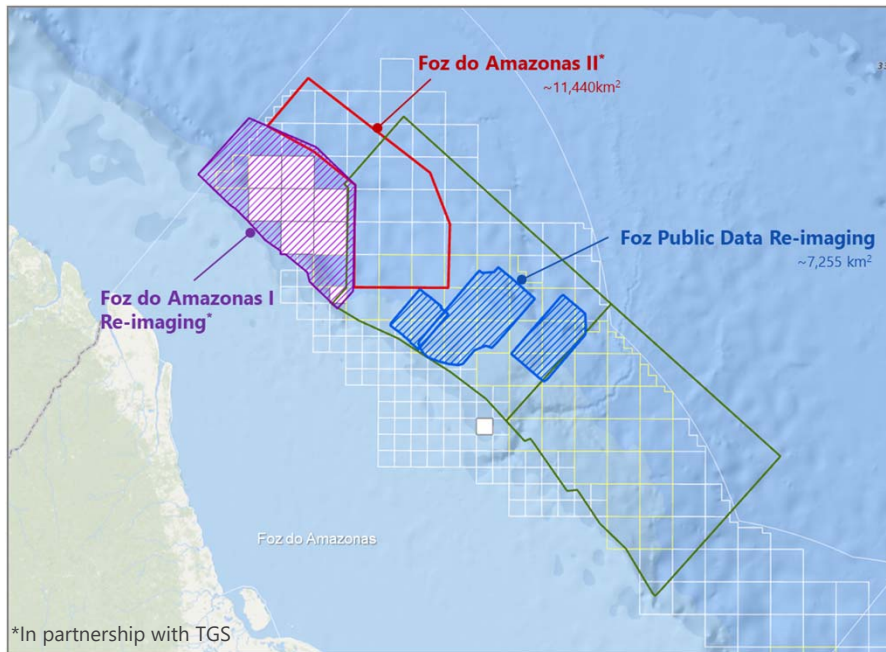


DATA LIBRARY NBV REGIONAL SPLIT AS OF 12/31/22





Earth Data Q4 operational highlights



Ongoing projects in Foz de Amazonas, Brazil

Q4 2022 Financial Results

Sales

- Q4 prefunding revenue at \$67m and after-sales at \$78m
- H2 prefunding revenue at \$86m and after-sales at \$121m
- Q4 highlighted by strong activity in US GoM and Norway

South America

- Foz do Amazonas II* acquisition started in Dec 2022
- Antares acquisition complete

North Sea

- Large client commitments to NVG EW surveys
- APA 2022 awards – good coverage on NVG

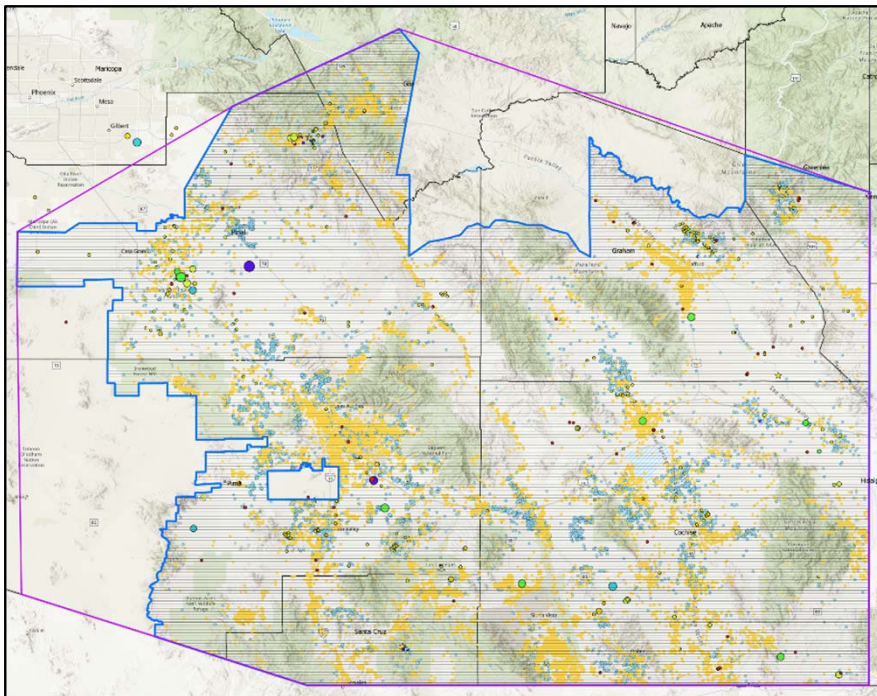
North America

- Sale of US Land seismic library completed in December
- Two lease sales in US GoM this year

Minerals and Mining

- SE Arizona integrated data project launched

Integrated Earth Data multi-client project in SE Arizona to support mining industry



Project located in SE Arizona: the project area (purple) and new airborne MP acquisition zone (blue)

An integrated database with industry support

- Multi-disciplinary data: multi-physics, satellite imagery, multispectral, well and geological data
- Over 270,000 line-kilometers of new airborne aeromagnetic, radiometric and gravity data
- Leveraging in-house subject matter expertise
- Utilizing machine-learning/AI technology
- Accessible on the GeoVerse platform

Data-rich, science-based and expert-driven

Sensing & Monitoring Q4 operational highlights



Oil & Gas
Seismic land & marine solutions for imaging subsurface



Structural Monitoring
Sensors and monitoring solutions for infrastructure



Defense
Custom-engineered marine acoustics and cable solutions

Land

- Strong deliveries in North America and North Africa
- New deliveries of WiNG QuietSeis wireless node

Marine

- Finalized delivery of a major GPR300 OBN order
- Streamer business still relying on sections replacements and repairs

Downhole tools

- Artificial Lift gauges very active in the North American market
- Memory gauges activity steady

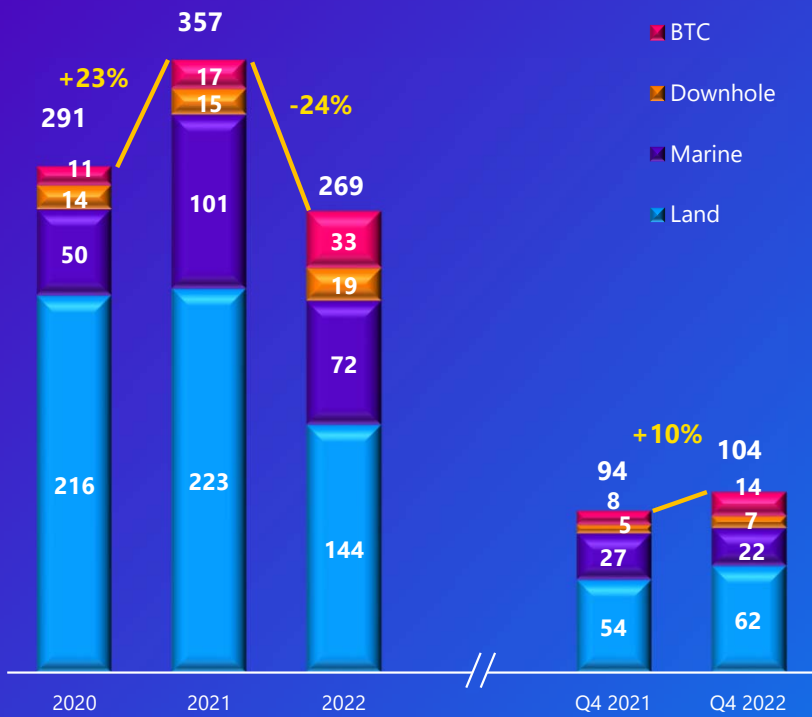
Beyond the Core

- SHM: first commercial projects secured on several structures in the USA

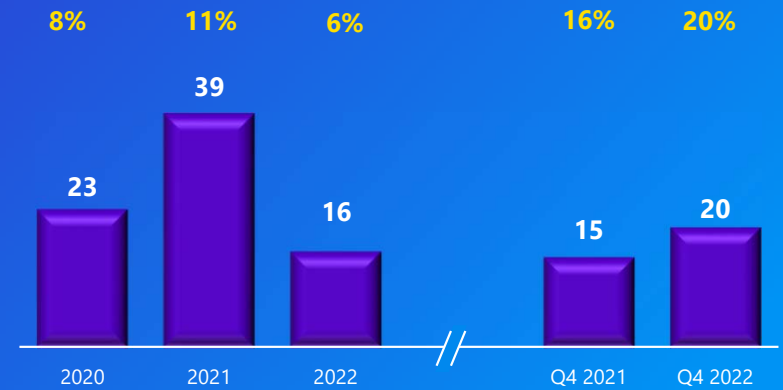


Sensing & Monitoring (SMO) key financial indicators

SEGMENT PRODUCTION (\$m)



ADJUSTED SEGMENT EBITDAS (\$m) & MARGIN (%)



ADJUSTED SEGMENT OPINC (\$m) & MARGIN (%)



Income Statement Q4 & FY 2022

In million \$	Q4 2022	Q4 2021	2022	2021
Segment Revenue	319	301	928	941
IFRS 15 adjustment	(51)	170	(1)	121
IFRS Revenue	268	471	927	1,062
Segment EBITDAs	193	154	434	344
Adjusted** Segment EBITDAs	159	150	395	337
Segment OPINC	94	(57)	180	(49)
Adjusted** Segment OPINC	66	78	147	78
IFRS 15 adjustment	(10)	35	2	25
IFRS OPINC	84	(23)	182	(23)
Net cost of financial debt	(24)	(26)	(98)	(121)
Other financial income & equity	(20)	0	(19)	(42)
Taxes	9	22	(17)	4
Net income / (loss) from continuing operations	49	(27)	48	(182)
Net income / (loss) Discop	(2)	(1)	(5)	2
Group Net income / (loss)	47	(28)	43	(180)

*Pro-forma indicators represent supplementary information adjusted for GeoSoftware & Physical Asset Storage and Services businesses sold in 2021

**Adjusted indicators represent supplementary information adjusted for non-recurring charges

2022

- **Segment Revenue** at **\$928m**, up 3% proforma year-on-year
- **Segment EBITDAs** at **\$434m**, up 26% y-o-y, a 47% margin
- **Adjusted Segment EBITDAs**, excluding \$34m gain on the sale of the US land seismic library at **\$395m**, up 17% y-o-y, a 43% margin
- **Segment OPINC** at **\$180m**, up 470% year-on-year, a 19% margin
- **Adjusted Segment OPINC** at **\$147m**, up 88% year-on-year, a 16% margin
- **Group Net Income** at **\$43m** compared to a net loss of \$(180)m in 2021



Simplified Cash Flow Q4 & 2022

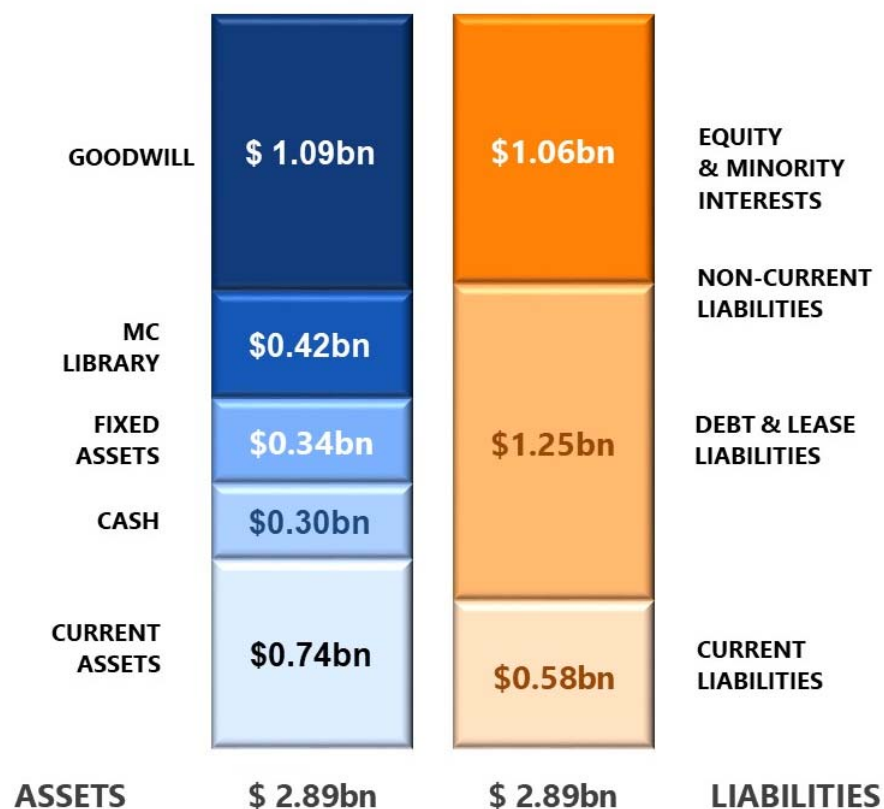
In million \$	Q4 2022	Q4 2021	2022	2021
Segment Operating Cash Flow before change in working capital	164	148	398	339
Change in working capital & provisions	(61)	(46)	(52)	(2)
Capex	(50)	(55)	(260)	(227)
Acquisitions and disposals	63	95	63	91
Segment free cash flow	115	142	149	201
Cash cost of debt, Other financial items & Lease repayments	(47)	(66)	(130)	(147)
Free cash flow from Discontinued Operations	(2)	13	-	(2)
CGG 2021 Plan	(3)	(8)	(22)	(33)
Net cash flow	62	81	(3)	19

Key Acquisitions & Disposals

- Acquisition of Geocomp & ION Software \$(35)m
- Sale of HQ building \$32m
- Sale of the US land seismic library \$63m



Balance Sheet at the end of 2022



As of December 31, 2022

Group liquidity amounted to **\$398m**, including:

- \$298m** cash liquidity
- \$100m** undrawn RCF

Group gross debt before IFRS 16 was **\$1,157m** and net debt was **\$859m**

Group gross debt after IFRS 16 was **\$1,249m** and net debt was **\$951m**

- \$1,124m** HY Bonds, due 2027
- \$93m** Lease liabilities
- \$20m** Accrued interests
- \$12m** Bank loans

Group leverage (Net Debt to Segment Adjusted EBITDAs) was **2.4x**





2023 Business perspectives

Backlog of \$442m at the end of January, up 44% year-on-year

Geoscience (GEO)

- Continued gradual recovery, driven by increasing offshore activity increase, green field development and infrastructure led exploration in complex sub-surface areas

Earth Data (EDA)

- Increasing appetite toward exploration to reload exploration portfolios, corresponding to offshore exploration Capex increase by 27% in 2023 (Rystad)
- Nodes technology bringing step improvements in imaging in complex basins

Sensing & Monitoring (SMO)

- Land activity picking-up in 2023 & 2024 sustained by large projects in the Middle East and North Africa
- Increasing demand for OBN equipment

Beyond the Core (BTC) Businesses

- Fastest growing markets & most immediate opportunities in Digital transformation (Data Hub), CCUS (Earth Data sales), Defense and Infrastructure Monitoring

2023 Financial objectives



TOP LINE

- 2023 segment revenue is expected to increase by around 15% to 20% primarily driven by SMO revenue growth
- Beyond the Core businesses expected to continue to grow significantly and to represent above 10% of CGG 2023 segment revenue
- CGG is anticipating quarterly segment revenue volatility to remain high in 2023 mainly driven by sequencing of equipment deliveries. Q1 segment revenue is anticipated to be stable year-on-year

EBITDAS

- 2023 adjusted segment EBITDAs margin in a range of 39% - 41% given the business mix

CAPEX

- EDA cash CAPEX expected to be around \$200m with prefunding above 75%
- Industrial & R&D cash CAPEX is expected to be up at around \$70m, driven by increase in High-Performance Computing (HPC) capacity

NET CASH FLOW

- Positive net cash flow before change in working capital



THANK YOU

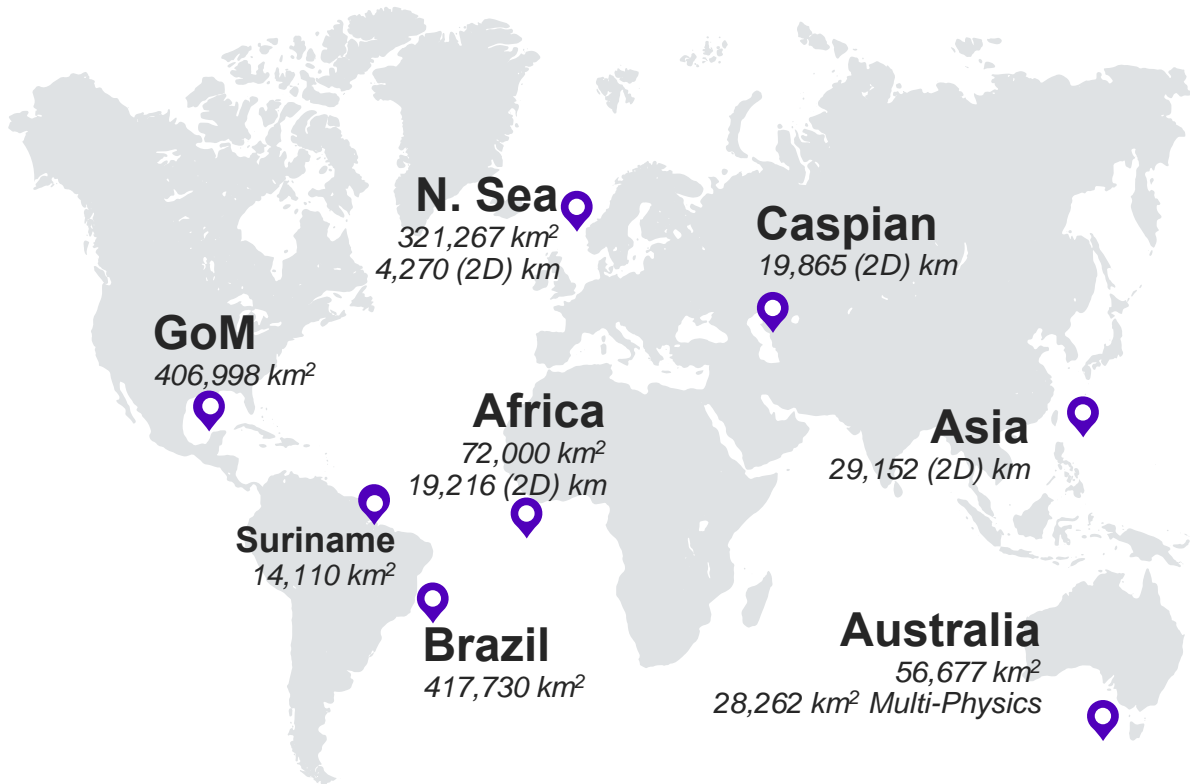
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Earth Data worldwide footprint in proven & mature basins

~ 1.3 million km²



Q4 2022 PROJECTS



Brazil – Foz II (TGS)

North Sea – NVG EW



GOM – StagSeis Repro

Brazil – Foz / Foz (public) Repro

North Sea – Lodestone Repro

Survey Processing – Antares /

NVG EW / Utsira OBN