



bluware
a CMG company

STORE SEISMIC ONCE. STREAM ANYWHERE. GOVERN SEAMLESSLY.

VDSFlow™ is the complete seismic data platform that unifies industrial-scale conversion, zero-copy streaming, and centralized governance from raw archive to interpreted output. **Built on VDS™, the industry's only interpretation-ready format** for 2D, 3D post-stack, and pre-stack seismic data.



10-20x
LOWER STORAGE
& BANDWIDTH
REQUIREMENTS



ONE
OPEN FORMAT
ACROSS YOUR
SEISMIC ESTATE



ZERO
DUPLICATE
PERFORMANCE
COPIES



8-12x
FASTER ACCESS
TO SEISMIC DATA

1

CONVERT

Convert SEG-Y, ZGY and more to VDS, wherever the data lives (on-prem, cloud or OSDU), with metadata preserved and built-in QC.

2

MANAGE

Catalog, version, and govern every seismic volume through a centralized inventory with built-in lineage.

3

CONSUME

Stream seismic data directly into interpretation applications with no transcoding or duplicate copies.

4

WRITE BACK

Store horizons, attributes, and seismic cubes back to VDS with versioning and lineage intact.

THE CHALLENGE

THE TRUE COST OF SEISMIC DATA SPRAWL IS BIGGER THAN YOUR STORAGE BILL.

Multiple seismic formats, duplicate datasets, disconnected workflows, and repeated data movement drive up costs and add complexity across the seismic data lifecycle.

- > Duplicate datasets increase storage and cloud costs.
- > Disconnected workflows create gaps in inventory, governance, and lineage.
- > Multiple versions make it difficult to identify the authoritative dataset.
- > Repeated data movement and conversion slow interpretation and collaboration.

THE SOLUTION

ONE PLATFORM. ONE FORMAT. ONE SOURCE OF TRUTH.

VDSFlow unifies conversion, streaming, and governance to simplify seismic data management and reduce data sprawl.



Reduce duplicate storage and unnecessary data movement.



Replace SEG-Y, ZGY, and performance copies with one open seismic format.



Maintain centralized inventory, governance, and lineage.



Stream seismic data directly into interpretation applications without conversion or duplicate copies.

WHY VDSFlow?

BUILT ON VDS

VDS is a high-performance seismic data format that compresses large seismic volumes and enables applications to access only the data they need when they need it.

VDSFlow builds on that foundation to bring conversion, streaming, and governance together across seismic data workflows.

OPEN, MULTI-CLOUD STANDARD

VDS is the OSDU seismic standard with no lock-in. VDSFlow offers one package, one install, one support contract, deployed on AWS, Azure, ADME, EDI, or on-prem.



CASE STUDY 01

PROVEN IMPACT

A North Sea operator evaluated its seismic library and identified redundant duplicate data. By consolidating the environment around VDS, the organization reduced storage requirements, accelerated data access, and simplified ongoing data management.



~70%
REDUCTION
IN STORAGE
FOOTPRINT



25x
STREAMING
PERFORMANCE
WITH ADAPTIVE
DELIVERY



~90%
REDUCTION
IN CLOUD EGRESS
COSTS THROUGH
STREAMED DATA
ACCESS



8-12x
FASTER
SESSION LOAD
TIMES

BUILT FOR YOUR TEAM

DATA MANAGERS

- > Reduce storage and cloud costs.
- > Replace SEG-Y, ZGY, and performance copies with one open format.
- > Reduce data sprawl with centralized inventory and governance.

GEOSCIENTISTS

- > Access seismic data faster through direct streaming.
- > Work from a single authoritative dataset.
- > Write interpretations back with versioned lineage and traceability.

CASE STUDY 02

NO QUALITY TRADE-OFF

“Quality indistinguishable from the original in daily workflows.”

- U.S. Major O&G Operator

AVO AT 3x, structural interpretation streamed at **25x**, with no impact on horizon picking.

Interpreter feedback, **live deployment.**

Stored at virtually lossless **3X compression** and streamed adaptively at **25-50x**, with full quality always on hand.

READY TO SEE VDSFlow IN YOUR ENVIRONMENT?

Validate VDSFlow on your data, applications, and infrastructure. Measure storage savings, streaming performance, and workflow improvements firsthand.



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info@bluware.com | **bluware.com**