Diskover

DATASHEET | BETTER TOGETHER

Diskover + CloudReplica

Every subsurface file, in one global view.



Buy Diskover through a partner that knows energy data. CloudReplica offers the Diskover platform to energy producers, so asset teams, geoscientists, data managers, and IT see every seismic, well, and simulation file in one view, wherever it lives.

At a glance

WHAT DISKOVER DOES

Indexes every file in place across HPC, NAS, object, cloud, and tape, and builds one enriched catalog with owner, size, age, location, well, and survey.

WHAT CLOUDREPLICA DOES

An energy application integration company in Houston. 15+ years with energy teams and their data, in 16+ countries. Offers the Diskover platform.

BETTER TOGETHER

Energy domain expertise plus global data visibility. One partner to buy from, one view of every file, and the confidence to act on it.

YOUR DATA ESTATE

HPC file systems
Scratch, simulation runs, failed jobs

NAS and file shares
Interpretation projects, well logs

Object and cloud
Derived volumes, project copies

Tape and archive
Raw surveys, legacy and acquired data

DISKOVER

ONE ENRICHED METADATA CATALOG

1 Unify
Index every file in place into one catalog. Data does not move.

2 Enrich
Add well, field, survey, and owner from paths and file headers.

3 Measure
Track age, usage, and cost by survey, block, lease, or region.

4 Automate
Tier, archive, purge, or package by policy, with an audit trail.

YOUR TEAMS

Geoscientists
Find any survey, well, or run in one search

Data managers
Tie files to wells, fields, and operators

Storage and IT
Free up HPC, put a cost on every asset

Land, legal, and M&A
Lease deadlines, divestiture inventories

Core capabilities

ONE VIEW OF EVERY SURVEY
Index HPC scratch, NAS, object, cloud, and tape into one catalog. Search raw seismic, derivatives, simulation runs, and logs together, and see every copy of a survey with its age and owner.

TIE FILES TO WELLS
The Subsurface Info plugin reads SEG-Y, LAS, and DLIS headers and adds well name, UWI or API number, field, operator, and depth range to each record, even when file names do not match.

AI CONNECTOR
Ask Claude, ChatGPT, Gemini, or Copilot for reports in plain language, such as files by field or basin. Any action the AI suggests, such as tier or purge, waits for human approval.

HPC-AWARE TIERING
When a run completes or fails, policy moves cold derivatives, failed-run outputs, and old iterations off premium HPC to NAS, object, or archive, and keeps the catalog entry.

AI-READY SUBSURFACE DATA
Curate seismic and well data by field, well, depth, or curve, and send only those file lists to Snowflake, Databricks, or AI engines. Tags keep licensed data out of training sets.

POLICY-DRIVEN AUTOMATION
Schedule tiering, archiving, cleanup, and CSV reports to run on their own, with no scripts or tickets. Each policy shows a preview first and logs what changed, when, and by whom.

About Diskover
Diskover helps enterprises structure unstructured data across cloud, on-prem, and edge environments, making it easier to search, govern, optimize, and deliver file data for compliance, analytics, and AI-ready workflows.

About CloudReplica
With a service reach extending to more than 16 countries and partnerships with some of the largest companies in the energy sector, CloudReplica's influence is both global and profound. Its focus remains to serve the unique needs of each customer, fostering digital transformation journeys that are successful and sustainable.

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Diskover

DATASHEET | DISKOVER + CLOUDREPLICA

9 PB
inventoried for a $60B oil and gas merger

30%+
of HPC capacity reclaimed in oil and gas

$1.5M
storage savings at a global energy company

3–6
months to payback after deployment

How it works

1 INDEX
STORAGE OR IT TEAM

Point Diskover at HPC file systems, NAS, object, cloud, and tape. Parallel workers scan in place, and rescans skip folders that have not changed. Seismic and simulation data never moves.

Example: 1.4 billion files indexed in two hours, about 200K files per second.

2 ENRICH
AUTOMATION

Every file becomes a record with path, owner, size, and dates. The Subsurface Info plugin adds well, UWI, field, operator, and depth range from SEG-Y, LAS, and DLIS headers.

Example: a .las file now shows its well, field, operator, and depth range.

3 CURATE
ANY AUTHORIZED TEAM

Search any field with Quick Search or Lucene, save searches, and tag files by survey, lease, or status. Or ask the AI Connector in plain language: it proposes, a person approves.

Example: a data manager saves "failed runs still on HPC scratch" as a search.

4 ACT
BY POLICY

Policies tier, archive, purge, or package files, with a preview first and an audit trail after. The REST API sends curated file lists to Snowflake, Databricks, and AI engines.

Result: HPC scratch capacity comes back without scripts or tickets.

RECOGNIZES SEG-Y • SEG-D • ZGY • LAS • DLIS • P1/90 • Simulation outputs

WORKS ACROSS On-prem • Cloud • Hybrid • HPC • NAS • SAN • Object • Tape • Data lakes • Lakehouses • AI/BI/ML

Deployment and security

DEPLOYMENT
Runs on premises, in the cloud, hybrid, or at air-gapped sites. Indexing runs where the data lives. Nothing is copied to build the catalog, and nothing is recalled from tape.

METADATA ONLY
Reads file attributes and headers only: the first 3,600 bytes of SEG-Y, LAS headers up to 1 MiB, and DLIS metadata. Trace and curve data are never read. Malformed files are tagged for review.

CONTROL
Every policy run shows a preview first and is logged in an audit trail: what changed, when, and by whom. AI suggestions wait for human approval before anything moves.

Business outcomes

GLOBAL VISIBILITY
See every seismic, well, and simulation file across sites, countries, and storage systems in one view, with its owner, age, and cost.

FREE UP HPC STORAGE
Old projects, failed runs, and derived copies move or go by policy, so the next HPC purchase is smaller or later.

CLOSE DEALS WITH CONFIDENCE
Get a full inventory of what an acquisition brings, or what a joint venture exit takes with it.

MEET LEASE DEADLINES
Find every file tied to an expiring lease and remove it on time, with proof ready for the regulator.

GET STARTED THROUGH CLOUDREPLICA

See it on your own subsurface data.

Start with a 30-day proof of concept and recover your investment in 3 to 6 months.

Scan to **book a demo**

Contact **CloudReplica**

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