Diskover

SOLUTION BRIEF | MANUFACTURING, AUTO, AND TRANSPORTATION

From design to warranty, every file accounted for.

One enriched metadata catalog for engineering, plant, and test data across HPC, NAS, object, cloud, and archive.



30%+ of premium storage reclaimed by tiering failed runs and intermediate files

1.4B files indexed in two hours, that's ~200K files per second

32% less storage after policy-driven disposition at a $5B sportswear brand

At a glance

KEY CHALLENGES

Design, simulation, and test data multiply at every stage of a program, spread across HPC, plant NAS, cloud, and tape with no shared catalog. Premium tiers fill with failed runs and intermediate solver files. Warranty and recall questions take weeks of cross-site email. Controlled technical data moves between suppliers and overseas teams with the record scattered, and quality models wait on curated images and sensor logs.

THE SOLUTION

Diskover indexes every file across your entire data estate into one catalog and enriches it with context, such as program, part, and supplier, that engineering and plant systems leave in file names, extensions, and folder structures. Teams find the right dataset in seconds, tier cold simulation output by policy, retain and remove with an audit trail, and curate inspection and sensor data for artificial intelligence (AI).

WHY IT MATTERS

Programs move on schedule instead of through tickets. Premium capacity comes back from failed runs and duplicate exports, so the next purchase is smaller or later. Warranty, recall, and export control questions are answered from one current inventory, not by requesting data from every site. Curated inspection, sensor, and test datasets reach AI and analytics pipelines in days, not weeks.

Why Diskover

ONE CATALOG FROM HPC TO ARCHIVE

Index every file across HPC scratch, plant NAS, object, cloud, and tape into one searchable view, by fields such as program, part, supplier, and format, so one search covers models, simulation runs, test output, inspection images, and archive, with data staying in place.

ENGINEERING FLUENCY IN THE METADATA

Diskover recognizes the file types and project structures that design, simulation, and test systems leave behind, so it identifies models, solver outputs, intermediate files, sensor logs, and temporary files by metadata such as extension, path, and age, then groups them into the categories your teams already use.

HPC-AWARE TIERING

When a run completes or fails, policy moves cold simulation output, failed runs, and old iterations off premium storage to NAS, object, or archive and keeps the catalog entry, so scratch capacity comes back without scripts, tickets, or someone remembering to clean up.

RETENTION YOU CAN EVIDENCE

Tag every file tied to a program, a part, or a model year, protect what quality and legal must keep, run removal as a policy with a preview, and keep an audit trail of what went, when, and by whom, ready for an audit or a claim.

EXPORT CONTROL VISIBILITY

Drawings and test data shared with suppliers, joint ventures, and overseas teams fall under the Export Administration Regulations (EAR). Diskover shows where those program folders live, who owns them, and which systems hold copies, so reviews start with a current inventory.

ASK IN PLAIN LANGUAGE

Ask the catalog, "Which simulation outputs older than two years are still on premium storage?" and get matching files back with a recommended action, such as tagging, tiering, removing, or packaging. AI-assisted, human-approved.

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.

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Diskover

SOLUTION BRIEF

How it works

1 CONNECT
STORAGE OR IT TEAM

Point Diskover at HPC file systems, plant NAS, object, cloud, and tape libraries. Indexing runs in place, so models and simulation outputs stay where engineering and compute expect them.

Example: a plant NAS is cataloged where it sits.

2 CATALOG
AUTOMATION

Every file becomes a searchable record with rich metadata, such as name, path, and owner, enriched with program and part tokens from the path, directory lineage, and classification tags.

Example: a CAD model now shows its program, part, owner, and age.

3 CURATE
ANY AUTHORIZED TEAM

Tag by fields such as program, part, plant, and status. Build saved searches for what teams ask weekly, such as failed runs still on scratch, exports past retention, or every file tied to a recalled part.

Example: an engineer or quality lead saves "recalled parts" as a search.

4 ACTIVATE
BY POLICY

Run tiering, removal, and packaging by policy with a full audit trail, and deliver curated inspection, sensor, and test metadata to analytics and AI pipelines through the API.

Result: a $5B sportswear brand cut its file count by 41% with policy-driven disposition.

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

Every model, run, and claim in one view.

Design
CAD and CAE models, part revisions, supplier drawings
NAS

→ **Simulation**
Crash, airflow, and durability runs, failed runs
HPC

→ **Build and test**
Inspection images, plant sensors, test-bench logs
NAS

→ **Service and archive**
Warranty claims, recall evidence, legacy programs
TAPE

Diskover

ENRICHED METADATA CATALOG
Examples: program · part · supplier · model year · project · format | from files, paths, plugins, and tags
Every stage, from engineering to service, reads the same inventory.

Clear the leftovers
Failed runs and intermediate solver files tiered off premium storage by policy.

Retention with evidence
Program records tagged, protected, and removed on schedule, with a log.

Curate high-value datasets for AI
Inspection images, sensor logs, and test data reach pipelines in days.

Key outcomes

ANSWERS IN SECONDS

Engineers and quality teams find the right model, run, or test file in one search instead of tickets and email, so warranty, recall, and audit questions stop pulling people off program work.

STORAGE THAT STAYS CLEAN

Storage teams move failed runs, intermediate solver files, and duplicate exports off premium tiers by policy, so scratch capacity comes back, and the next capacity purchase is smaller or later.

COMPLIANCE AND AI-READY

Retention and export control reviews run from a single current inventory with attached proof, and curated inspection, sensor, and test datasets reach AI pipelines in days instead of weeks.

GET STARTED

Ready to see it on your estate?

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

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Revised November 2026