Diskover

CUSTOMER SUCCESS STORY

Semiconductor leader saves millions with one inventory.

How a global chip design company turned four sites and about 8,000 storage volumes into one inventory, then put cleanup on a schedule.



103B+
files indexed into one operational inventory

4
engineering sites working from one catalog

4K
engineers and data users served by the same inventory

$250K
a year in opex saved by automated cleanup policies alone

CUSTOMER PROFILE

A global semiconductor design company valued at more than $300 billion, with engineering teams at four primary sites and global operations.

Its roughly 4,000 engineers run electronic design automation (EDA) workflows around the clock, processing about 600 projects a day. Every run leaves behind simulation outputs, verification logs, and intermediate data, alongside legacy designs and duplicate datasets, across about 8,000 storage volumes.

At a glance

EDA workflows create data faster than any team can review it: more than 103 billion files and over 100 PB across about 8,000 storage volumes at four sites. Storage growth was hard to explain, reclaim candidates were hard to find, and volumes filled up before teams knew why, which interrupted engineering work.

With Diskover, storage and engineering teams indexed every site into one operational inventory. Rich metadata, such as owner, project, file type, and age, shows where capacity goes and which redundant, obsolete, and trivial (ROT) data, duplicates, and transient simulation output can be tiered, archived, or removed.

Automated cleanup policies now save $250K a year in operating expenses alone, capacity-driven disruptions have dropped, and the company saves millions a year on infrastructure. Next, the team is extending tiering policies and tagging to more engineering data domains.

Facts

INDUSTRY
Semiconductor design and electronic design automation (EDA).

DATA
103B+ files: simulation outputs, design files, verification logs, and legacy datasets.

STORAGE INDEXED
100+ PB across about 8,000 storage volumes and multiple file systems, indexed in place.

USERS
About 4,000 engineers and data users, plus the storage teams that run the shared inventory.

LOCATIONS
4 primary engineering sites, plus global operations.

DEPLOYMENT STAGE
Production: one operational inventory and reclaim workflows running across all sites.

WHAT'S NEXT
Extend tiering policies and tagging models to more engineering data domains.

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

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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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> *EDA data grows on its own schedule. When every site reports into one inventory, storage teams can see which runs are finished, what is still in use, and what can move, before capacity turns into an outage.*
>
> **Brandon Langley**
> **Senior Director of Engineering**
> **Diskover**

CHALLENGES

GROWTH WITHOUT A CAUSE

Consumption climbed across sites, systems, and file types, and teams could not pinpoint which projects or workflows were driving it.

ROT AND DUPLICATE SPRAWL

Redundant, obsolete, and duplicated datasets sat at every site, inflating the capacity each one needed to buy and maintain.

NO WAY TO RANK CLEANUP

With more than 103 billion files, teams had no consistent method to find the best reclaim candidates or decide where to start.

TRANSIENT DATA PILES UP

Simulation outputs and verification logs from 600 projects a day stayed on primary storage, filling volumes and interrupting engineers.

SOLUTIONS

ONE OPERATIONAL INVENTORY

Diskover indexes all four sites and about 8,000 storage volumes in place into one catalog, so storage and engineering teams see use and hotspots from a single view.

TIERING BY POLICY

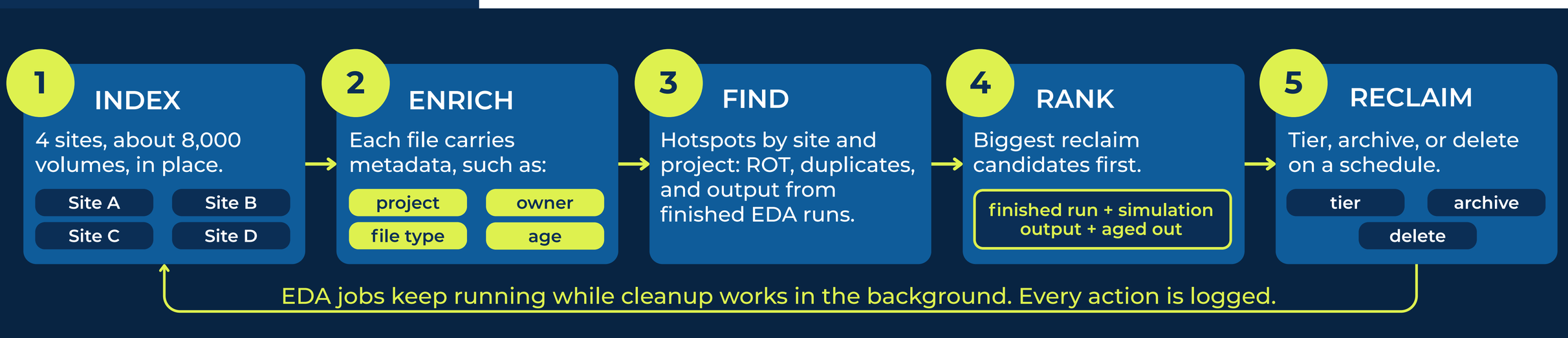
Policies move data to lower-cost tiers or to archive based on its metadata, which relieves pressure on high-performance storage while files stay findable in the catalog.

RECLAIM CANDIDATES SURFACED

Searches and reports group ROT, duplicates, and transient hotspots by project, owner, and age, so teams start with the data that frees the most capacity.

CLEANUP ON A SCHEDULE

Automated cleanup policies run continuously in the background, so engineers keep working while storage is reclaimed, with a record of every action.



OUTCOMES

MILLIONS SAVED A YEAR

Cleanup, tiering, and avoided expansion save millions a year, including $250K a year in opex from automated policies alone.

ONE SOURCE OF TRUTH

Storage and engineering teams read the same inventory across all four sites, so cleanup decisions are faster and easier to agree on.

FEWER CAPACITY DISRUPTIONS

Outages from overfull volumes dropped, so engineers spend their time on design work instead of waiting for storage.

READY TO SCALE THE MODEL

The same inventory now carries new tiering policies and tagging models as the team extends them to more engineering data domains.

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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