

Global Engineering Firm Gains Visibility and Confidence in Managing Diverse, Growing Data with Komprise

Overview:

A global engineering and professional services leader manages an extraordinary variety of unstructured data generated across projects worldwide. From drone footage assessing road conditions in earthquake-prone regions, to digital twins modeling building evacuations, to AI-driven river traffic analysis for local governments, the firm's data is as diverse as its engineering services.

But this innovation comes with complexity. The firm's IT team is responsible for storage, backups and compute for vast volumes of unstructured data sitting on a patchwork of legacy systems. With every major data storage vendor represented in their environment, technical debt accumulated, making management inconsistent and costly.

Adding to the challenge, engineers are "chronic data hoarders," retaining files for 10–15 years or longer, with no consistent global policy for tiering, archiving, or deletion, according to the director of IT infrastructure.

IT leadership wanted both cost efficiency and governance: a way to clearly understand data usage, enforce policies across regions, and build trust that older data could be archived to affordable cloud storage without disrupting business needs. By building a more transparent, well-governed data estate, the company could also confidently move toward advancing AI initiatives for site and project design use cases.



Key Stats

Industry: Engineering/Professional Services.

Storage: Nutanix, NetApp, HPE, Azure, Other.

Data Analyzed: 8PB

Data Moved: 2PB+

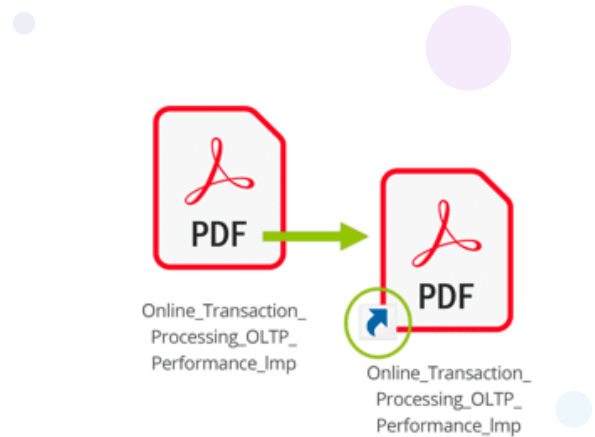
Use Cases: Cloud Tiering, Analysis across silos, Showback reporting.

Results: 50%+ annual savings with cloud tiering; unstructured data management policy framework.

Solution

The IT team chose **Komprise Intelligent Data Management** to gain flexible lifecycle management and repeatable cost savings for its multi-petabyte, global data environment. **Komprise's vendor-agnostic platform was also a great fit to handle the firm's highly heterogeneous environment.**

- **Deep Analytics** allows users to search across all unstructured data to see trends such as how much data had gone untouched for years. The IT infrastructure director surfaced over 2PB immediately available for cloud tiering.
- **Showback reporting** gave IT the ability to share data usage and costs across three global regions, sparking productive conversations with business leaders who were “shocked” by the amount of stale data consuming premium storage.
- **Flexible tiering** policies were instrumental due to resistance from engineers to tier data at one year of age. IT built trust with a more conservative 5-year policy, targeting 2PB for Azure tiering. The plan: monitor user feedback, measure “ticket noise,” and gradually move toward a 3-year standard once confidence builds.
- **Policy-driven governance** helps define a level playing field for data lifecycle management, from tiering to the eventual goal of safely deleting files that are more than 10–12 years old.



Benefits

- IT identified 2PB for immediate cloud tiering to Microsoft Azure object storage, freeing up expensive on-premises storage capacity and with no disruption to engineers and project teams, thanks to Komprise patented **Transparent Move Technology (TMT)**. The company expects to save 50% per year or more from avoiding capacity increases of its on-prem storage with data tiering.
- Global visibility to support **Showback reporting** across three global regions and cost justification for cloud initiatives. This gives managers and executives knowledge into data usage and cost implications, with potential to tier data more aggressively in the future.
- Komprise **Deep Analytics** queries to search for specific data sets and tag them by project or customer keywords. Ad hoc queries also help IT and business groups understand data costs, file types and sizes across geos and storage vendor with fine-grained control.
- Established governance framework to standardize global data lifecycle policies (tiering, retention, and deletion) with buy-in from departmental managers based on Komprise analysis of cold, warm and hot data.
- A foundation for systematic AI data workflows and ingestion, using **Komprise Smart Data Workflows**.





Komprise gave us visibility that we never had before given our complicated infrastructure stack. For the first time, we can have fact-based conversations with the business about how long we should keep data, when to tier, and eventually when to delete. It's building trust and helping us modernize our global data strategy and prepare our data estates for AI.

- IT Infrastructure Director, Global Engineering Firm



By adopting Komprise Intelligent Data Management, the global engineering company turned a patchwork of legacy systems and unchecked data growth into a more transparent, governed, and cost-efficient environment. With clear showback reporting, phased tiering policies, and deep analytics to refine exceptions, the firm is steadily building confidence with engineers and executives alike. Unstructured data is no longer an unmanaged liability but a controlled, optimized asset that supports daily operations and client success.



ABOUT KOMPRISE

Komprise powers the connection between unstructured data management and AI. Komprise Intelligent Data Management delivers a single platform to easily analyze, migrate, transparently tier and manage the lifecycle of petabytes of file and object data across hybrid environments. With Komprise, enterprise IT gains full visibility across silos to optimize storage, backup, ransomware and cloud costs. Komprise Smart Data Workflows and the Komprise Global File Index unlock unstructured data insights and access for AI. www.komprise.com

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