



Making stored
data smart

About Chunk Works

Chunk Works is an independent Dutch deep-tech company, established in 2019.

It specializes in autonomous, sovereignty-focused data storage software with post-quantum security capabilities.

- High-expertise team driving rapid innovation in data sovereignty, autonomy, and security.
 - A TNO consortium partner and recipient of several Dutch innovation grants.
 - Aims to become leading Dutch/ European data security platform for critical infrastructures.
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Making your data storage self-organizing

Chunk Works can make any data storage smart—a truly simple, secure, and scalable data management platform.

Pain points Chunk Works solves



Fragmented, complex systems



High uptime demands



Bottlenecks in rapid-scaling



Balancing innovation costs

Traditional data infrastructures rely on multiple supporting systems to protect and manage stored data, requiring constant monitoring and manual intervention. It also makes quick adaptation to new threats and rising business demands challenging.

This adds complexity, increases costs, and introduces security vulnerabilities.

The Chunk Works platform

This *paradigm shifting* smart data infrastructure management platform supports data centers, cloud providers, and data-driven enterprises.

These organizations want to ensure data availability, increase security, and streamline IT infrastructure management.

Our solution provides a single platform for decentralized, secure, and autonomous data infrastructure management. By offering increased scalability, enhanced security, and cost effectiveness, it tackles system complexity, data risks, and high operating expenses.



Rapid, scalable deployment



Runs in any environment



You control your data



All-in-one, future-ready pack

How to make stored data *smart*

Chunk Works' offers an innovative process that enables data to autonomously organize and protect itself, creating a smart solution for modern data management.

Data chunking

Files are split into smaller data chunks and adds mathematically generated parity chunks.

This enhances storage efficiency by allowing data recovery without the need to maintain full copies of files or datasets, reducing overall storage requirements.

Chunk distribution

Using a proprietary algorithm, the system calculates optimal chunk placement across distributed network nodes, requiring no location tracking or content advertising. This allows for both fast parallel data retrieval and maintaining high data availability.

Integrity verification

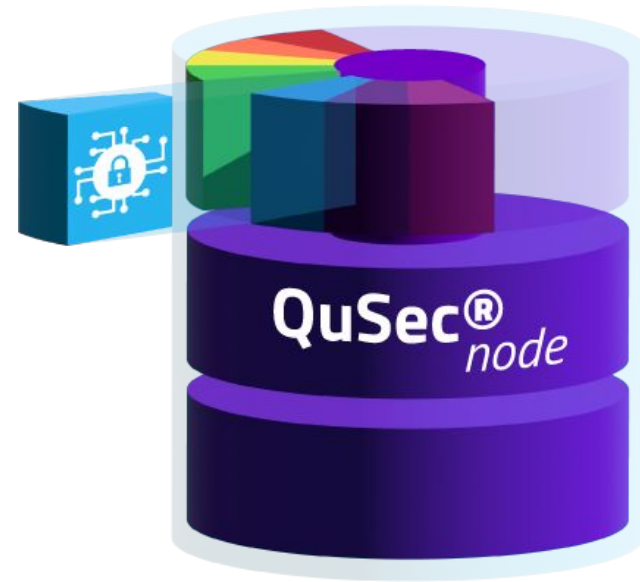
The system uses a low bandwidth chunk cross-validation process to continuously verify data integrity. When threats are detected, such as data loss or node failure, it instantly starts autonomous repairs or redistribution without the need for manual intervention.

How to make stored data *future-ready*

As quantum computers evolve, organizations need flexible security solutions that protect data today while also preparing for tomorrow's threats.

Chunk Works delivers unmatched migrations to quantum-safe security at your own pace.

Critical parts of your network can be upgraded first, while other parts can transition when ready, keeping the entire infrastructure as secure as possible.



How to make *your* stored data smart

See it

Request a demonstration



- Demonstration of ease of use
- Explore specific needs and wants
- Setup metrics for successful pilot

Test it

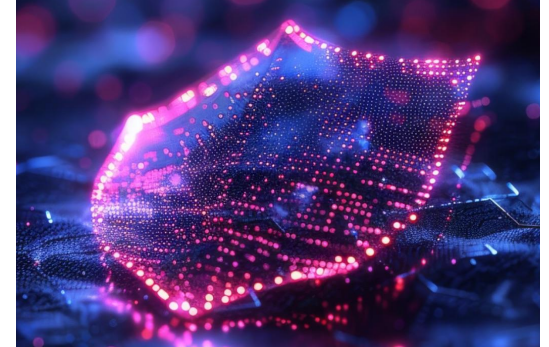
Try it out in a free trial



- Technical discussion: set up pilot and go over any specifics.
- Pre-pilot commercial agreement

Trust it

Smarten your data



- Autonomous smart data
- Prepared for unknown threats
- Receive support & free updates



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