

FAST LTA
We secure Petabytes.

Simplify Your Backups.

Silent Bricks are the perfect storage for backups, from all-flash to disk, online, offline and off-site, SecureNAS and VTL.



ABC: Elastic Cold Storage for Archive, Backup and Capacity Storage

The Silent Brick System

The **Silent Brick System** is not only a backup storage. Within the same system, **backup** storage, secure **archiving** and flexible **capacity** storage can co-exist. This helps reducing investment and cost of operation.

Silent Bricks can be configured individually. Data from different applications, departments and customers can be physically separated from each other.



Silent Brick systems scale from the 2-slot Drive to multi-petabyte installation with Controllers and Shelves, serving small to enterprise grade businesses.

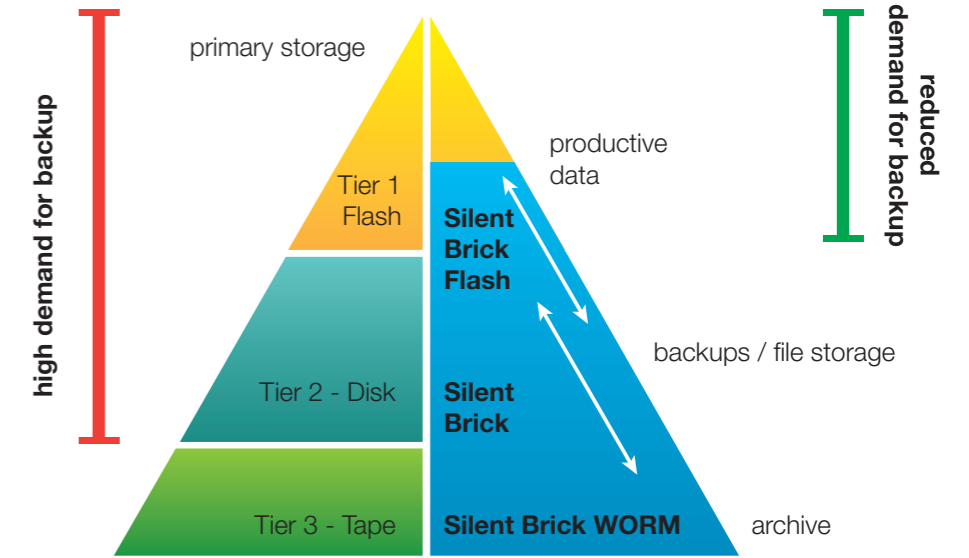
All of our components and systems are designed to operate for a minimum of 10 years. For this reason, we also offer 10-year service contracts under set terms.

10 YEARS
MINIMUM LIFESPAN
SERVICE AGREEMENT
INVESTMENT PROTECTION
ALL INCLUSIVE SERVICE

Data Separation

Separating productive and archive data lowers the need for more primary storage and reduces backups significantly.

This helps minimize effort, investment and software licensing costs.



EU-GDPR will be mandatory 2018:

Data protection also means resilient storage systems.



The upcoming EU General Data Protection Regulation (GDPR) explicitly requires resilience of IT systems as part of data processing (Section 2 GDPR):

It requests „the ability to ensure the ongoing **confidentiality, integrity, availability and resilience** of processing systems and services“.

Source: EU

Elastic scalability, flexible configurations:

Silent Bricks adapt to your requirements

SecureNAS +VTL or +replication

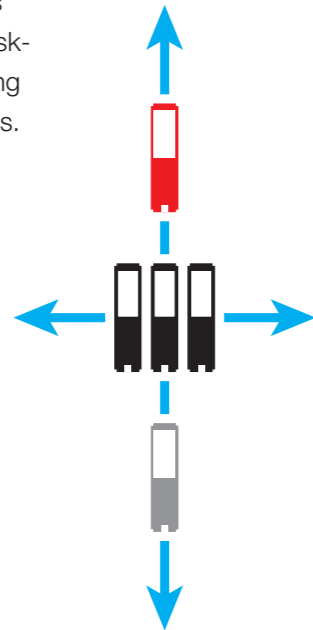
Configuration and interfacing are as diverse as your data. As **SecureNAS +VTL** (replacing disk-to-tape) or **SecureNAS +replication** (replacing disk-to-disk) – Silent Bricks fit your applications.

Online

Regardless of the configuration - Silent Bricks scale elastically. Increase the **online capacity** by simply adding Silent Bricks. The Drive offers 2 slots, the Controller even 5, with optional Extension Shelves adding another 14 slots each.

SecureNAS

SecureNAS offers superior security features compared to regular NAS. The integrated data protection through **Continuous Snapshots** and **replication** secures against data loss and manipulation.






Flash or Disk

Silent Bricks are equipped either with **flash** or **hard disks**. It is up to you to leverage individual storage areas for throughput or price/performance.

Offline & Off-Site

Silent Bricks are movable and **offline**-capable by design. **Replication** takes place on a per-media basis – without the necessity to mirror your whole storage IT. This allows for storing data **off-site**, preventing unauthorised physical access.

Silent Bricks are available in various flavors:

-  All-Flash, optimized for throughput even with small files
-  Disk-based, offering best price/performance
-  With optional WORM sealing to enable secure archiving

Michael Beinhofer, City of Rosenheim district office

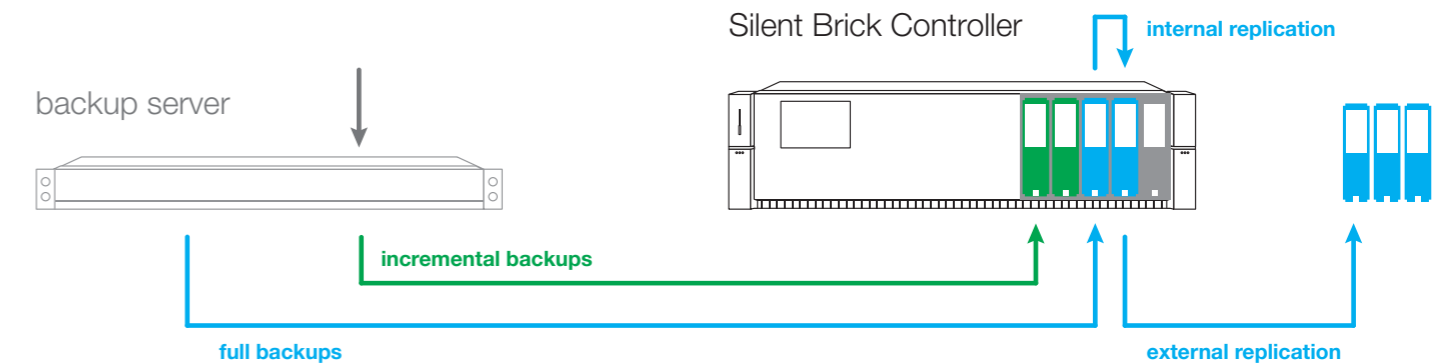
„With Silent Bricks, we actually found the universal storage platform we were looking for.“

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VEEAM

The City of Rosenheim, Bavaria, Rosenheim district office needed to renew the heterogenous storage IT for their backups that had been growing over time. The aim was to replace NAS and tape storage with a modern infrastructure for **Veeam** backups.

„The elastic scalability allowed us to use one of the most secure and future-proof storage systems for our backup data we could find on the market.“



Incremental backups are written directly to the NFS or SMB shares on SecureNAS volumes and purged based on the policies of the backup software. SecureNAS volumes can span multiple Silent Bricks, if required.

Full backups are stored on SecureNAS or VTL configured Silent Bricks. Replication and media rotation allow for storing offline copies in a safe place.



Components

Silent Brick

Movable storage container with 12 drives

- Drives ■ 2.5" hard disks or SSDs, SATA
- Capacities ■ 3, 6 or 12 TB (gross, SSD)
■ 12 or 24 TB (gross, hard disks)
- Dimensions ■ H 115 mm / W 30 mm / D 542 mm
- Weight ■ approx. 2 kg

Configurations

Individually per Silent Brick

- File systems ■ SecureNAS: ZFS, dual or triple Parity
■ WORM, VTL:
FAST LTA, linear & self-contained,
Erasure Coding with 4 redundancies
- Connections ■ SecureNAS/WORM
with SMB / NFS shares
■ VTL
- Security ■ Hardware WORM (optional)
■ local / remote replication
■ local / remote clone

Drive

Storage appliance with 2 slots

- Capacity ■ up to 48 TB (gross,
with 2 Silent Bricks, 24 TB each)
- Connection ■ Dual 1 GBit / dual 10 GBit (optional)
- Dimensions ■ H 1 U / W 19" / D ~ 60cm

Controller

Storage server with 5 slots, expandable

- Capacity ■ up to 120 TB (gross,
with 5 Silent Bricks, 24 TB each)
- Connection ■ Dual 8G Fibre Channel or
■ dual 10 GBit (SFP+, RJ45 optional)
- Dimensions ■ H 3 U / W 19" / D 785 mm

Extension Shelf

Expansion for Controller with 14 slots each

- Capacity ■ up to 336 TB (gross,
with 14 Silent Bricks, 24 TB each)
- Connection ■ SAS dual wide link 8x 6 GBit/s
- Dimensions ■ H 3 U / W 19" / D 785 mm