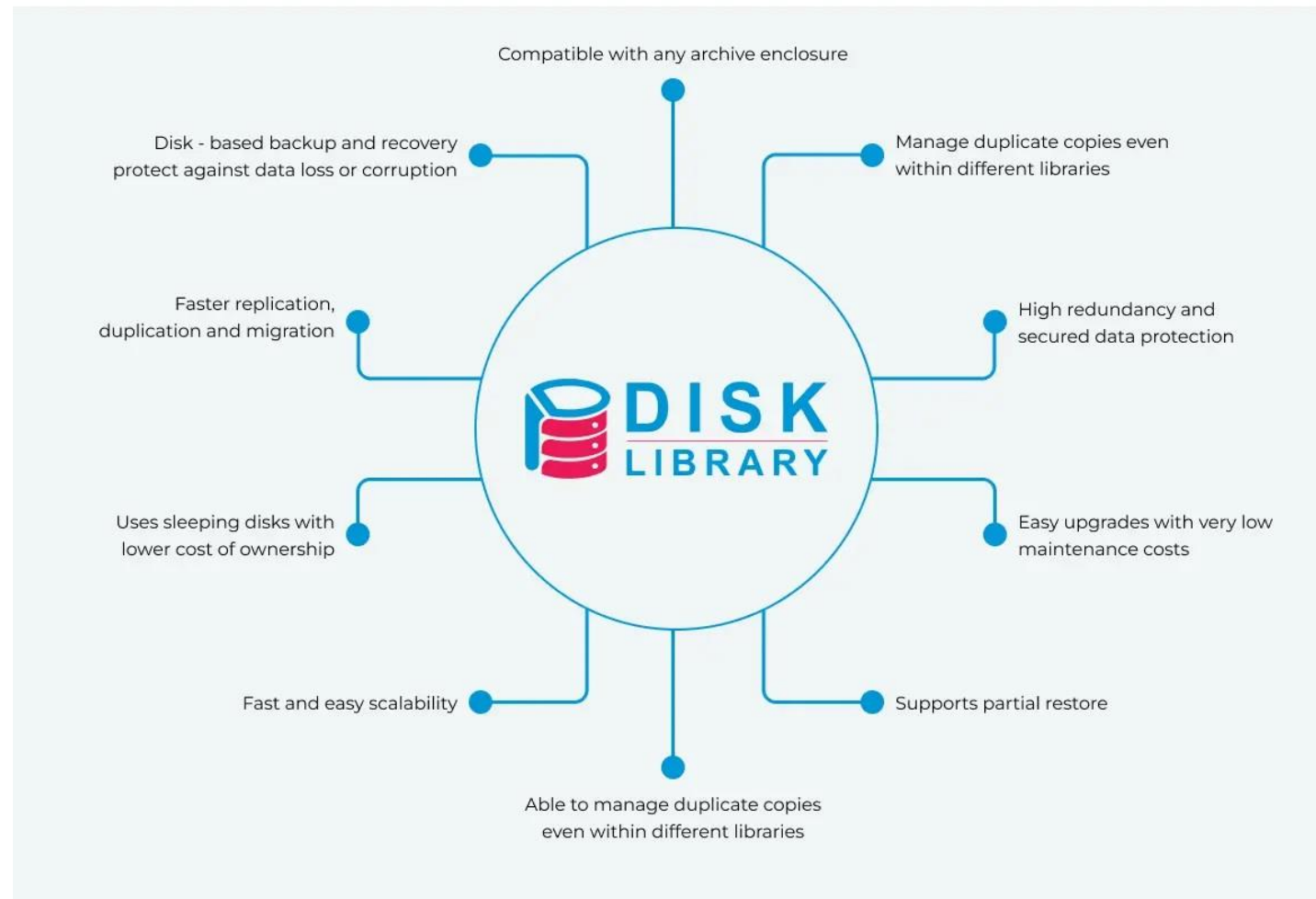# Etere DiskLibrary

- Regulatory compliance, cost efficiency, risk mitigation

- Future-proofs your investments

- Flexibility to use any archive enclosure

- Disk backup provides greater reliability, faster data retrieval and faster write speed

Etere
a consistent system

ETERE DISK LIBRARY

Compatible with any archive enclosure

Disk - based backup and recovery protect against data loss or corruption

Manage duplicate copies even within different libraries

Faster replication, duplication and migration

High redundancy and secured data protection

Uses sleeping disks with lower cost of ownership

Easy upgrades with very low maintenance costs

Fast and easy scalability

Supports partial restore

Able to manage duplicate copies even within different libraries
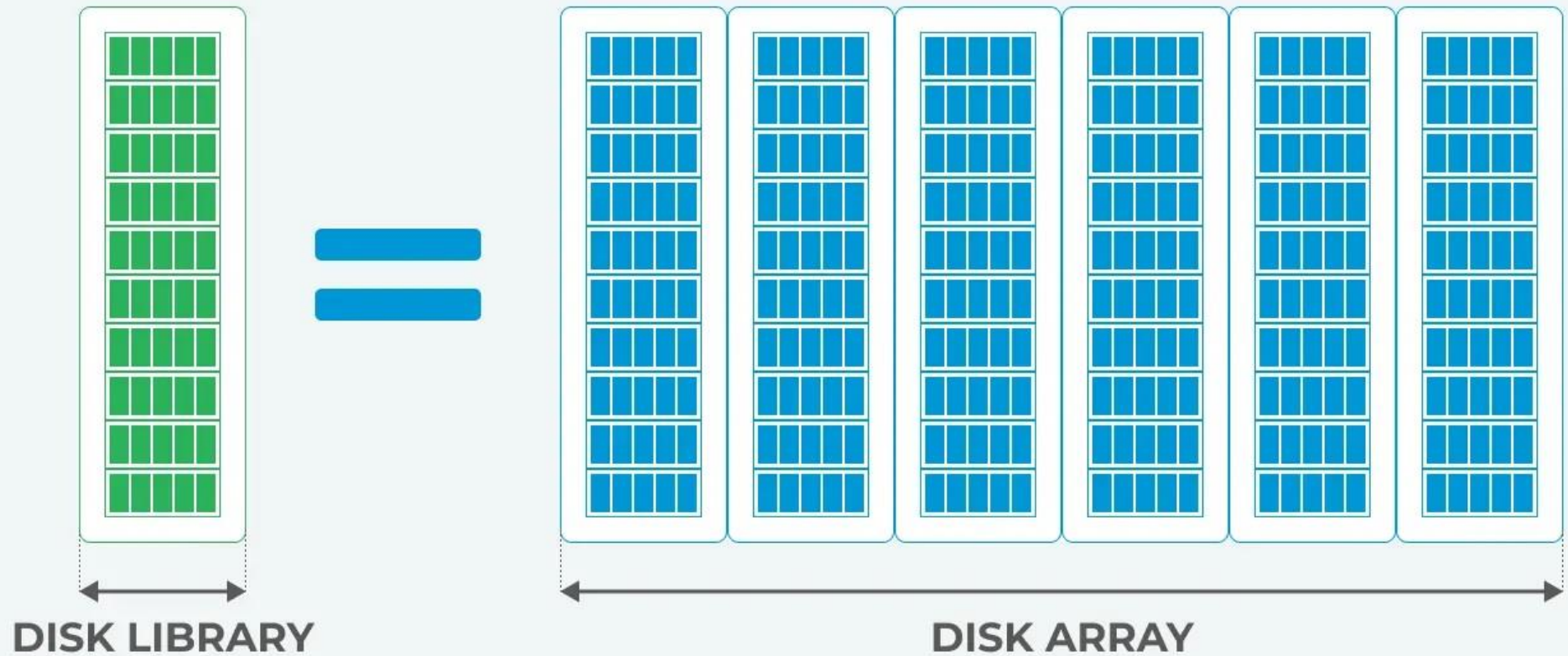
Why Etere DiskLibrary

- Minimum setup costs
- No LTO drive/ODA drives/Library
- Low power consumption equivalent to LTO
- Easy to upgrade
- 100 times faster
- Similar Footprint
- Mix hardware from multiple vendors
- Good value of money until 2PB

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Why DiskLibrary

- Low setup cost and power consumption compared to LTO
- With current technology, it's cheaper than LTO for capacity up to 2 PB
- Easy to upgrade, mix different generations in the same system
- Off-premise deployments, configurations and upgrades at distributed locations
- Disk capacity doubles over 1.5 years at the same price
- JBODS or MAIDS enclosures are inexpensive and interchangeable
- Unlimited bandwidth
- Maximise the potential of your archive easily

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Why Etere DiskLibrary

	ETERE DiskLibrary	Tape LTO-7	RAID System	Sony ODA	Cloud
Cold Data Access Speed (ms)	YES	No	YES	No	No
Unlimited Bandwidth	YES	No	No	No	No
Ultra Low Electricity Consumption	YES	YES	No	YES	NA
Very Low Housing Costs	YES	No	No	No	NA
Very Low Maintenance	YES	No	No	No	No
100% Ownership Costs	YES	YES	YES	YES	No

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LTO VS Etere DiskLibrary

Etere DiskLibrary	LTO
Unlimited I/O	Access is limited to number of files and linear access
More cost-efficient – Costs less than LTO to store up to 1 petabyte	More costly
Lower power consumption	Higher power consumption
Smaller Footprint, up to 1.3 PB using just 10U of rack space	Larger footprint
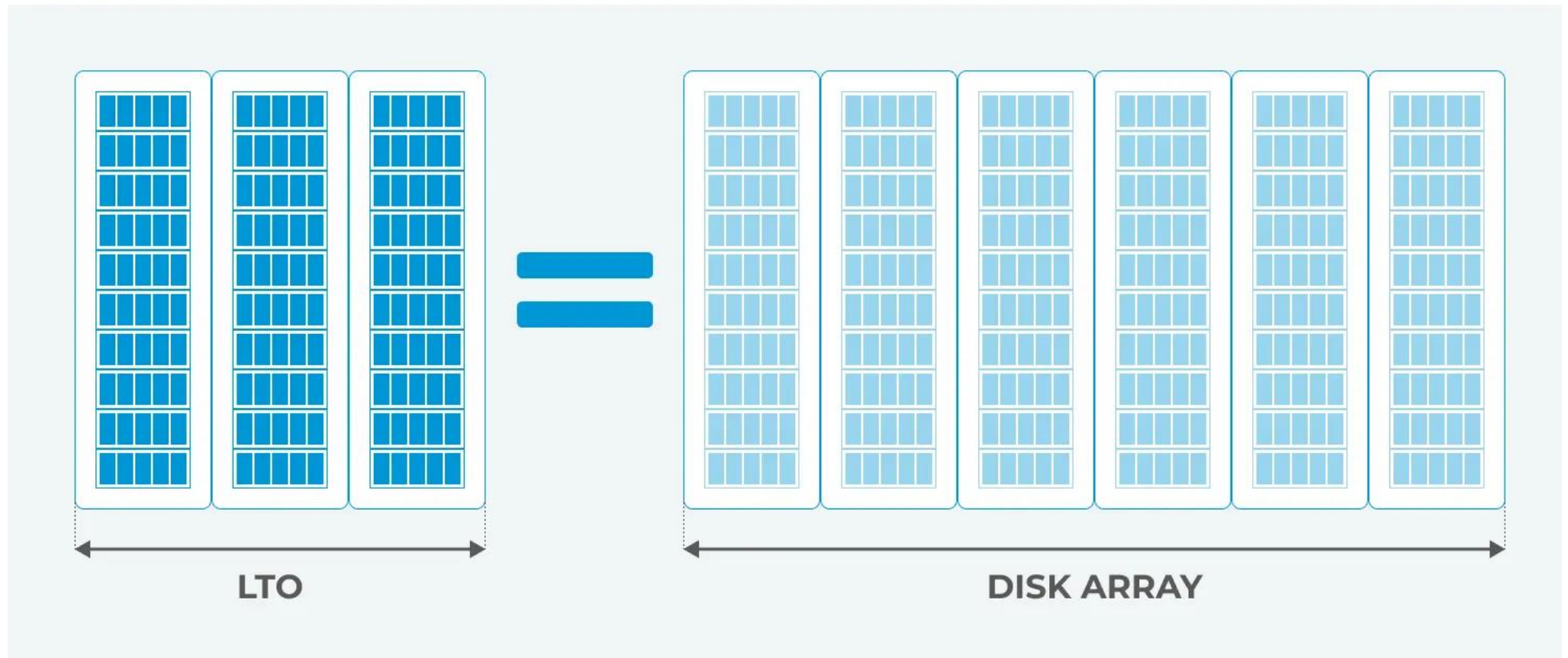
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System Architecture

- Fully scalable to the needs of the user

- Keeps the business ahead of trends in archival technology

- A centralised database of all archival records

- A single location for sharing and monetising assets

- Access on-demand

- Takes less than 2 sec to access any data

- Able to access multiple data at one go

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How it Works

- Etere DiskLibrary manage each disk as independent entity
- Disk spinning will be shut down after use to save energy and to increase disk life
- ETERE Headquarter intelligence generates the correct timing to minimize disk stress and increase disk life
- To avoid data loss in the sleep drives, headquarter periodically re-generate hard disks
- Able to maintain data integrity for more than 5 years
- Etere data duplication avoids data loss from single failure
- Mixing of any disk technology is allowed: FC/SATA/SAS

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Reliability and Security

- Pre-scheduled data duplication to prevent data loss

- User-configurable protection settings

- Data can be replicated for backup, archiving, or disaster recovery with single, double, or triple replication options

- High reliability and security for a seamless operation

- Disk encryption prevents unauthorised access

- Features logical and physical redundancies

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Hybrid Tape and Disk Archive

- Functions independently or as part of a hybrid disk and tape system

- Choose the most suitable configuration for your company

- A tailored archival approach that aligns with your organisation's needs

- Flexibility to change and adopt a different configuration easily

- Supports partial restoration and manages restorations according to users requirements
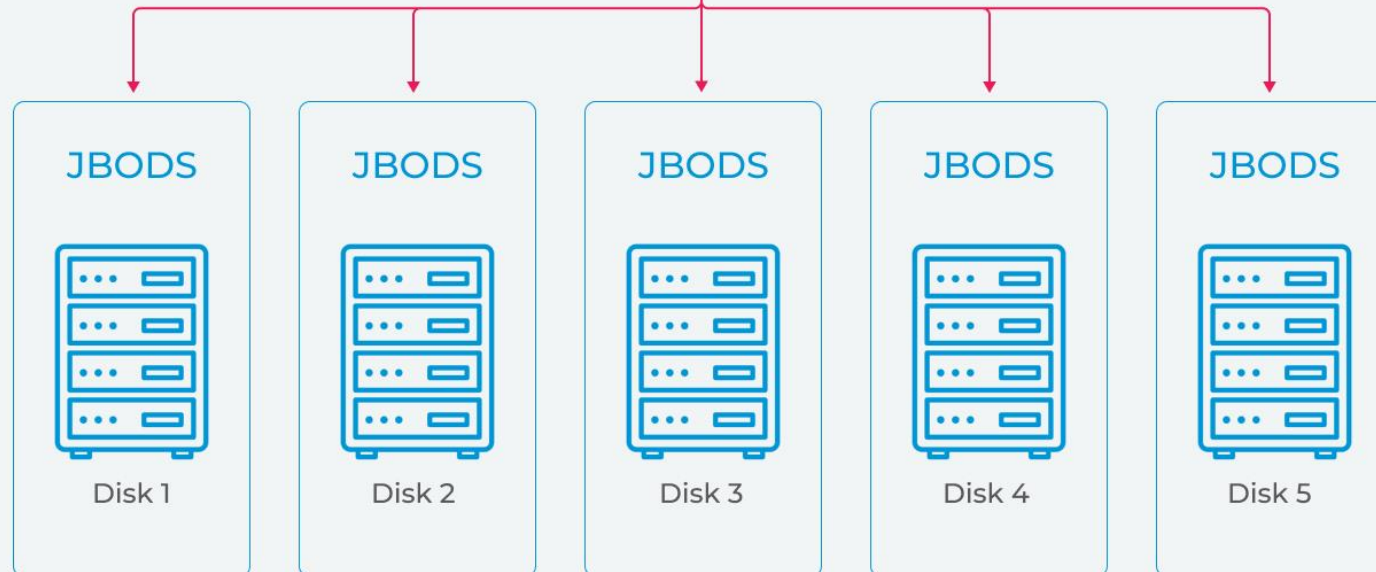
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Data Replication & Disaster Recovery

- Geographically distributed archive that provides logical and physical redundancies

- Users can select the number of copies to be stored on different disks distributed across different locations

- Data recovery with minimal recovery time in the event of a site-wide disaster

- Protection levels can be customised

- You can select how many copies of each file to be stored on more than one disk

DiskLibrary

- Superior performance and cost-efficiency
- Works well on its own or as a hybrid disk-and-tape solution
- Cost-efficient alternative to LTO tapes
- Greater flexibility and interoperability
- Use any archive enclosure – No lock-ins
- Easy upgrades and updates
- Future-proofs your investments

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Why Etere DiskLibrary
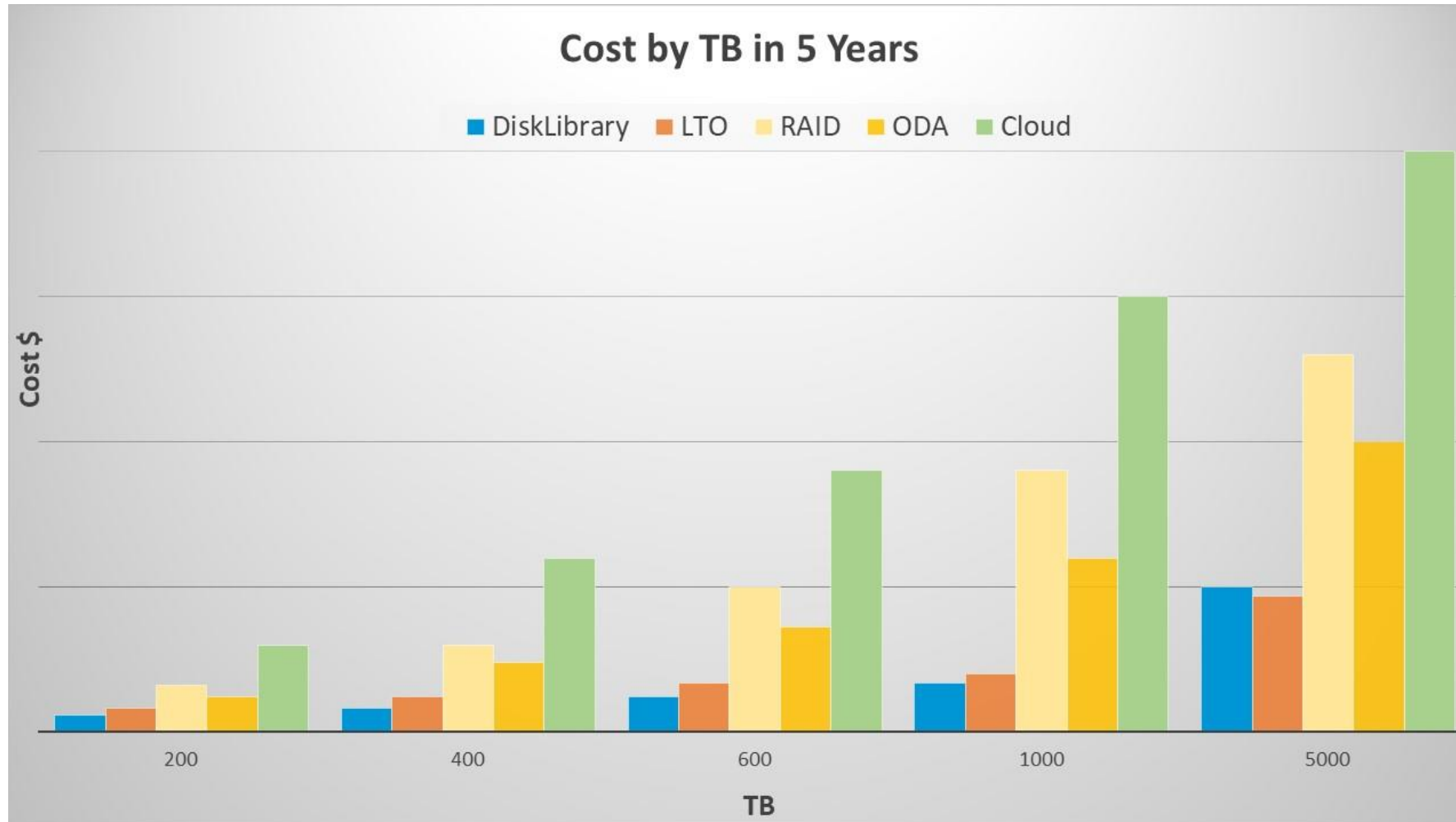
Archive Innovation

- Standard NTFS file system
- SMPTE 2034 data format for better compatibility
- Mix disks of any size
- Easy to read any disk from any computer
- Mixing disk enclosures and disk drivers from different vendors
- Disk encryption can be used to avoid unauthorised access

Thank you

www.etere.com