

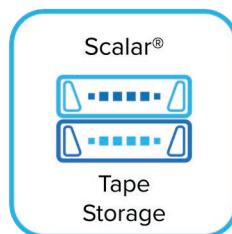
Quantum.

## Le Du Group Modernizes Backup Strategy and Tightens Data Security with Quantum Scalar Tape Storage

Operating for more than 75 years, Le Du Group is a construction business that handles a full range of networking and industrial projects in the Brittany region of France. Recently, the Le Du IT team decided to implement a more robust backup strategy for its large, growing volumes of enterprise data. By installing a Quantum Scalar tape library, Le Du has accelerated backup, enhanced data security, and gained an efficient, scalable storage platform for the long term.

The Le Du IT team manages a multi-room data center and 10 remote offices spread across Brittany, France. In 2019, the team decided to modernize the organization's IT infrastructure. A more modern infrastructure would support key corporate initiatives, such as updating the ERP system, facilitating remote work, and enabling more efficient collaboration among employees.

FEATURED PRODUCTS



### CASE STUDY



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**Anthony Pétard**  
IT Director  
Le Du



## SOLUTION OVERVIEW

- Quantum Scalar® i3 Tape Library

## KEY BENEFITS

- **Accelerated the data backup process** from two days to three hours.
- **Simplified integration of the tape library** with Veeam Backup and Replication software.
- **Enhanced data security, creating an air gap** using Active Vault.
- **Prevented the modification of data** with Quantum LTO WORM media.
- **Streamlined backup management**, eliminating the need for manual intervention.
- **Gained cost-effective scalability** by using an expandible tape-based solution.

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IT Director, Le Du

Modernization could also help improve data protection and security. The IT group wanted to ensure that its rising volumes of enterprise data would not be lost even if one storage environment were subject to a fire or extreme weather event. A modern data protection strategy could also help prevent data theft or destruction as a result of cyberattacks.

### Implementing Tape-Based Backup with Quantum Scalar

The Le Du IT team turned to long-time partner Monaco Digital for guidance on devising a new

backup strategy. The Monaco Digital team recommended using tape to maximize storage capacity while controlling costs. The solution for Le Du included using technology from both Veeam and Quantum together.

For the right combination of security, reliability, scalability, and ease of management, the Le Du team selected a Quantum Scalar i3 tape library. Le Du easily integrated the Scalar library with the existing Veeam Backup and Replication solution. Together the Quantum and Veeam solutions

play key roles in a 3-2-1 backup strategy that creates three copies of data—two onsite and one offsite.

LTO tape technology is a proven solution against modern cyberattacks, offering a layer of protection called air gapping. “Quantum has gone one step further by including a secure, isolated (non-network) airlock called the Active Vault. This compartmentalizes the backup data in a partition and is invisible to the backup software. The robotics administration interface is also protected through double authentication,” explains Christopher Glémot, CTO at Monaco Digital.

### Accelerating Data Backup and Streamlining Administration

Working with the Veeam backup solution, the Scalar library has helped significantly accelerate the backup process. “The Quantum and Veeam pairing allowed us to go from a two-day backup to just three hours,” says Anthony Pétard, IT Director at Le Du. Faster backups can help the organization better protect growing data collections without impacting daily operations.

Meanwhile, the integrated solution minimizes administrative burdens. The IT team can automate many operational, tape-handling tasks. For day-to-day functions, there is no need to touch the robot.

### Improving Business Continuity with a Reliable Platform

A backup strategy is only effective if an organization can retrieve data quickly and reliably when needed. The Le Du team tests its backup solution regularly to ensure it will be ready. “We perform one or two test restores each week to ensure the overall solution is working,” says Anthony Pétard. “The solution has demonstrated an ease of restoring with the right SLA.”

### Securing Data from Cyber Threats with Quantum Active Vault

Quantum’s Active Vault technology adds an important layer of data protection to the storage environment. With Active Vault, tapes are exported to a separate, ultra-secure in-library vault that is not accessible via the network. “The Scalar solution enables us to truly secure our data by creating an air gap with Active Vault,” says Anthony Pétard.

The Scalar library exports the tapes using a robot. Administrators simply set up the required policies—they can avoid manually removing tapes and transporting them to a separate location.

The Le Du team is also capitalizing on multi-factor authentication, which augments Active Vault to help further prevent unauthorized

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#### ABOUT MONACO DIGITAL

Monaco Digital, a Monegasque company founded in Monaco over fifteen years ago, supports the Principality’s digital transformation for both public and private Monegasque economic players. This commitment is supported today by nearly 250 employees: consultants, cybersecurity experts, project managers, information systems engineers, cloud architects, infrastructure and network engineers, developers, and trainers. Monaco Digital covers the needs of companies in all areas of digital technology by offering local service and expertise, including consulting & digital project management, cyber security, infrastructure & network, cloud, managed services, and application development.



access to data. With Active Vault and multi-factor authentication capabilities, the organization is well protected from cyberattacks and other misuse of data.

To help prevent data from being overwritten (accidentally or purposefully), the Le Du team uses LTO write-once, read-many (WORM) media. Even if a tape library robot is somehow compromised, the WORM tapes help ensure that the data on tapes is permanently protected and cannot be modified.

### Gaining the Scalability for Continued Growth

As the Le Du companies take on more projects, the IT group needs to quickly back up and secure more data. By choosing a scalable and cost-effective approach to backup, Le Du can keep growing without busting the budget. “Using tape also allows us to keep long-term data at the best cost per terabyte,” says Anthony Pétard. “With the Scalar tape library, we have the scalability for growth over several years.”

### ABOUT LE DU GROUP

Founded in 1947, Le Du Group offers an array of design, production, and maintenance services focused on networking and industrial construction. The organization’s four companies handle projects ranging from installing fiber optic networks, placing gas lines, and implementing street lighting to constructing water treatment stations, developing waterways, and prefabricating reinforced concrete. Le Du employs 480 highly skilled workers based at 10 sites in the Brittany region of France.

## Quantum

Quantum technology, software, and services provide the solutions that today’s organizations need to make video and other unstructured data smarter – so their data works for them and not the other way around. With over 40 years of innovation, Quantum’s end-to-end platform is uniquely equipped to orchestrate, protect, and enrich data across its lifecycle, providing enhanced intelligence and actionable insights. Leading organizations in cloud services, entertainment, government, research, education, transportation, and enterprise IT trust Quantum to bring their data to life, because data makes life better, safer, and smarter. Quantum is listed on Nasdaq (QMCO) and the Russell 2000® Index. For more information visit [www.quantum.com](http://www.quantum.com).

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