

NEO® LTO Tape Automation at Bourg-en-Bresse Hospital

**For backup and data protection of
sensitive information**



The GHT hospital network consists of six hospital centres and three facilities specializing in the care of older adults. It has a capacity of about 1200 beds and all the necessary services to provide residents with high quality care. The Directorate of Informatics Services manages all the facilities with a total of 3500 workstations, each facility having its own infrastructure.

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Solution

- 1 NEOxI 80 Tape Library
- 4 LTO-8-SAS Tape Drives



NEOxI 80 Tape Library

Challenge

Hospital centres are popular targets for cybercriminals who encrypt systems or resell confidential data. To protect this data and ensure rapid recovery from a potential attack, the Bresse-Haut-Bugey hospital group (Groupement Hospitalier de Territoire - GHT) in France has implemented an offline and offsite backup strategy based on LTO tapes.

The organization and its IT challenge

Frédéric Walle is the Information Systems Security Officer of the GHT. His department reports directly to the General Management of the network, which believes that cybersecurity is not just an IT issue but concerns the entire company, as cybersecurity rules are part of strong organization maintenance and safety standards.

“French hospitals are facing a sharp increase in cyberattacks by crypto viruses,” says Frédéric Walle. “The hackers’ objectives are to encrypt the facilities’ data in order to paralyse operations and demand a ransom, or to steal sensitive data to resell it on the darknet. It was imperative that we upgrade our infrastructure to make it more resilient to this risk and, in the event of an outage, to allow us to get back online quickly and minimize the impact.”

The volume of data processed and secured increases very sharply every year.

“This is due in particular to the Covid crisis, but also to the development of the technologies used for care. This is particularly notable in the case of medical imaging, which makes up a large part of our data,” he explains. **“So we’ve had to increase our backup capacity and implement a faster storage and recovery solution.”**

Frédéric Walle
Information Systems Security Officer, GHT



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LTO-8-SAS Tape Drive

Overland-Tandberg LTO Ultrium
Data Cartridges



The solution and the use of the NEOxl 80

As the organizing institution of the GHT Bresse-Haut-Bugey, Bourg-en-Bresse Hospital was the first user of the security solution redesign. “Our considerations were related to our entire infrastructure. The evolution of the volume of data made it necessary to improve the performance of backup devices, and therefore of the network and servers, to ensure efficiency throughout the chain and eliminate risks of overload.”

The production data is backed up in real time. Since their volume is very large, the server infrastructure was duplicated to provide sufficient performance. In addition, a solution had to be implemented that allowed multiple drives to be written in parallel to meet productivity requirements. “Today, we have very large data storage. This allows us to use old backups when we need to restore an operating system or retrieve the latest backups to maintain up-to-date data and reduce productivity losses,” explains Frédéric Walle.

Field report

“We had very little time to design, validate and deploy our new backup solution. And we did not have all the necessary skills to understand the complexity of the solutions to be networked,” comments Frédéric Walle. For this reason, he relied on the attributes of IT services provider Résiliences Groupe FMI to put Overland-Tandberg’s NEO LTO solution into operation. “We design, implement and maintain our customers’ IT infrastructures with one guiding principle: availability,” says Cédric Chiodini, head of the Annecy office.





“Thanks to the expertise of our pre-sales engineers and our partner Overland-Tandberg, we were able to quickly design and implement a secure, access-controlled, redundant, scalable and high-performance backup solution. After more than a year of operating the new solution, we remain confident that we selected the best components to meet our customer’s challenges.”

Cédric Chiodini, Résiliences Groupe FMI

Why Overland-Tandberg?

NEO Series tape storage models provide unlimited offline storage for backup, archiving and disaster recovery of digital assets. Based on leading Ultrium LTO tape drive technology, NEO Series solutions increase business efficiency, eliminate costly downtime and offer the lowest cost of ownership of any storage technology. NEO Series devices offer large storage capacities, are easy to use, highly reliable and cost-effective. Users can store their data on them with confidence and security.

Conclusion

The solution implemented at the Bourg-en-Bresse hospital is fully functional and meets all requirements. “Data backup is an essential part of a cybersecurity solution. By choosing NEO and LTO technology, we have an offsite and offline backup that ensures the best protection,” said Frédéric Walle. “Our goal is to implement a similar infrastructure in each facility. So if a facility goes down, I can remotely recreate a complete environment to get the facility back up and running within an acceptable timeframe. The new Olympus and Titan solutions from Overland-Tandberg could find their place here,” he concludes.



Sales and support for Overland-Tandberg products and solutions are available in over 100 countries. Contact us today at sales@overlandtandberg.com. Visit www.OverlandTandberg.com.