



CASE STUDY

NMS Group Protects Vital Data for Oncology Drug Development with Quantum DXi-Series Backup Appliances

NMS Group is a large Italian biopharmaceutical company focused on developing and delivering innovative therapeutics for cancer patients. The company's IT team is responsible for protecting data generated through all phases of drug development and production. By integrating Quantum DXi-Series backup appliances with Veeam Backup & Replication software, the IT team has enhanced data protection and helped ensure business continuity while streamlining system management.

**NMS
GROUP**
ONCOLOGY
FORWARD

FEATURED PRODUCTS



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Tiziano Andreoli
CIO, NMS Group



“With the Quantum appliances, we can keep a copy of our entire backup system at another separate site. As a result, we can be sure we’re capturing all of the data from the full drug development and production lifecycle.”

Tiziano Andreoli – CIO, NMS Group

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SOLUTION OVERVIEW

- Quantum DXi®-Series Backup Appliance
- Veeam Backup & Replication

KEY BENEFITS

- **Refreshed an aging backup environment**, replacing legacy technologies with dedicated modern appliances.
- **Seamlessly integrated Quantum backup appliances** with Veeam Backup & Replication software.
- **Streamlined backup management** with a consolidated solution for all environments.
- **Enhanced protection of critical data**, avoiding human errors and the risk of data loss.
- **Improved business continuity** with a fully replicated backup at a remote site.

Driven to move oncology forward, NMS Group is dedicated to producing personalized therapies for cancer patients. To support the company’s mission, the NMS Group’s IT team has a critical responsibility: back up and protect the large volumes of highly confidential data generated through the company’s drug research, development, clinical testing, and manufacturing work. The IT team must safeguard data over the long term while also ensuring that data is rapidly recoverable in the event of a disaster or ransomware attack.

Recently the team needed to refresh its aging backup infrastructure. “We were backing

up data with old systems and technologies,” says Tiziano Andreoli, CIO of NMS Group. “But because of the size of our data volumes, finding the right solution was challenging. Making the wrong choice could have serious consequences: The risks of losing data as a result of this technology upgrade were very real.”

Any new solution had to streamline management. “With our legacy tape systems, we had highly manual operations,” says Andreoli. “We were also forced to create deeply customized procedures and scripts to manage and monitor all of our backup and restore actions. For the new solution, we wanted simpler management.”

The new solution also needed to be comprehensive. “We wanted a single station that would allow us to back up our file server and all the data contained in our Unity data store, which has both virtual machines and NFS shares,” says Andreoli. “In addition, we wanted the ability to do a physical backup of all physical servers and machines in our network.”

REFRESHING THE BACKUP ENVIRONMENT WITH QUANTUM

After considering a full range of solutions with the help of NETECH, an Italian-based system integrator, the NMS IT team selected the Quantum DXi-Series backup appliance. The team implemented two DXi systems, which are configured as virtual tape libraries (VTLs). An onsite appliance replicates data to a second appliance installed at a remote data center.

“The Quantum DXi-Series backup appliance provides exceptional reliability combined with a good price/performance ratio,” says Andreoli. “It is also much easier to use than competing products. It satisfies all our requirements.”

SEAMLESSLY INTEGRATING WITH KEY TECHNOLOGIES

The IT team integrated the Quantum appliances with Veeam Backup & Replication software—the industry-leading backup,

recovery, and data solution for on-premises and cloud workloads. The DXi-Series appliances are part of a comprehensive portfolio of Quantum Veeam Ready products. “The DXi appliances integrate perfectly with Veeam Backup & Replication,” says Andreoli.

STREAMLINING MANAGEMENT WITH A CONSOLIDATED SOLUTION

Using the disk-based DXi appliance instead of the legacy tape system has helped reduce management burdens. “We no longer have to manually change tapes,” says Andreoli. “At the same time, we’ve gained a comprehensive solution that allows us to back up virtual machines, NFS shares, and physical systems—all through a single backup environment.”

ENHANCING DATA PROTECTION AND IMPROVING BUSINESS CONTINUITY

Incorporating the second, offsite DXi appliance has helped strengthen data protection and disaster recovery. If a power outage, severe weather event, or cyberattack impacts the primary data center, the organization has a complete, secure backup of its mission-critical data.

“With the Quantum appliances, we can keep a copy of our entire backup system at another separate site,” says Andreoli.

“Today we can better guarantee business continuity for the entire organization. All data and information have been protected and secured—with minimum effort from our team.”

Tiziano Andreoli
CIO
NMS Group

ABOUT NMS GROUP

NMS Group S.p.A. is the largest company in Italy committed to research and development for innovative cancer therapeutics. The company manages the entire integrated chain of the R&D path: from preclinical research and the clinical phase through production and packaging of finished drugs. NMS Group also provides research and production services for local and international markets through three companies: Accelera (preclinical research); NMS (clinical development); and Nerpharma (from formulation to production of the active principle).



“That environment is fully synchronized with the on-premises environment, providing continuous replication during the backup. As a result, we can be sure we’re capturing all of the data from the full drug development and production lifecycle.”

Eliminating manual tasks and establishing an offsite copy of data helps significantly reduce the risk of data loss. “With the DXi appliances, we won’t lose data because of human error, fraud, or various kinds of disasters,” says Andreoli.

Consequently, the IT team has substantially improved business continuity. “Today we can better guarantee business continuity for the entire organization,” says Andreoli. “All data and critical information have been protected and secured—with minimum effort from our team. By working with Quantum, we can continue to focus on driving oncology forward.”

ABOUT NETECH

Netech is the partner that constantly works to increase the level of security of its customers’ information system, facilitates work and guarantees business continuity.

Managed security, multi-cloud services and consultative approach are the three pillars on which Netech bases its business.

The Netech team is made up of experts with vertical skills that allow the protection of the IT assets of client companies.

Being a Managed Service Provider means having within our staff Security Operation Centre operators, IT security analysts, compliance consultants, threat hunters, highly qualified specialists with skills in the field of computer network security, ready to undergo continuous training, constantly updating its wealth of knowledge and experience, constantly following the evolution of the main market technologies, in order to adapt them to the internal processes of supporting production activities and improve the quality of services.

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.

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