



PEDERZOLI

About Customer

Since the founding of P. Pederzoli Hospital in Peschiera del Garda in 1947, the Pederzoli Group has grown to become one of the leaders in accredited private healthcare in the Verona area.

www.ospedalepederzoli.it

Geo

EMEA

Industry

Healthcare

Solution Area

Accelerate Core Applications

Products in Use

Pure Storage® FlashArray//X™

Pure Storage FlashArray//C™

Delivering Innovation in Patient Services

With a growing user base, the Pederzoli Group aimed to better serve patients by modernizing its IT infrastructure. Storage was a particular priority, as higher-performance solutions could speed up examinations, improving patient care and allowing more patients to be seen every day.

Pure Storage FlashArray not only improves performance but adds critical disaster recovery and security features that help the Group protect patient privacy and defend against the ever-increasing threat of cybercriminal activities.

“Pure Storage allows us to support advanced medical technologies that improve patient well-being while allowing us to get the most from our investments.”

**FRANCESCO CORBA
COLOMBO,**
IT INFRASTRUCTURE
MANAGER, OSPEDALE
PEDERZOLI

A Cure for the Operational Needs of Healthcare

The challenges facing the healthcare sector have increased in the wake of the pandemic, with digitization accelerating and technologies evolving rapidly. Pederzoli Group has responded with an application modernization plan geared toward increasing performance to better support both staff and patients.

Impact on Pederzoli Group

Faster patient diagnosis with more tests performed daily



Enhanced sustainability by reducing footprint and power consumption



Supports ever-changing medical technology and software

Challenges



Traditional storage environment was underperforming



Systems struggled to handle huge volumes of image data created daily



Hospital space was at a premium as IT systems grew

Results



Significant reduction to read/write speed



1.5:1 deduplication and compression ratio for medical imaging files



Built a leaner data center by reducing 66 server and storage units to 14

The most critical part of the project involved improving performance for the Picture Archiving and Communication System (PACS), which manages more than 120,000 medical imaging files produced every day by the group's patient diagnostic imaging services. Data centers with traditional disk storage could not keep up, causing operational slowdowns limiting the number of examinations the Pederzoli Group could handle every day, which increased patient waiting times.

Higher Performance, Lower Consumption

The Pederzoli Group updated its storage environment with Pure Storage FlashArrays to support PACS and other systems, including radiology information systems, vendor neutral archives (VNA), and Oracle virtual machines and databases. The improved read/write performance allows the physicians to access diagnostic images in less time, leading to faster examinations and less waiting time for patients.

With FlashArray, Pederzoli Group now has 247 TB of available space in each rack—enough capacity to support growing data demands for years to come. High image compression and deduplication reduced the number of units in the data center by more than 75%. “We have saved a lot of space—a critical resource in all hospital facilities—and energy, which is an important sustainability goal for any organization,” says Francesco Corba Colombo, IT Infrastructure Manager at Pederzoli Hospital.

“Pure Storage allows us to support advanced medical technologies that improve patient well-being while allowing us to get the most from our investments,” says Corba Colombo. “Pure’s guaranteed 10-year lifecycle and proactive 24×7 monitoring were key in our decision as it helps future-proof our environment.”

Bringing Digital Security to Medicine

Pure Storage technology helps the group become more responsive in the face of cyberattacks. ActiveCluster™ provides synchronous active/active replication on FlashArray//X, with backups on FlashArray//C for even more secure data.

“Pure Storage has enabled us to speed up the reconstruction of diagnostic images: this translates into more examinations in less time and allows us to deliver better services. In addition, we are assured of a timely response to any incident or cyber attack, proving to be even more convincing.” adds Corba Colombo.

By keeping data secure, Pederzoli Group supports its goals of delivering quality care built around patients’ health and trust.

purestorage.com

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