



About Customer

Millennium is one of the newest and most high-tech office buildings in Switzerland. Located in the Lake Geneva region, it offers tenants world-class amenities ranging from on-site concierge services and a heliport to a dedicated, secure data center.

www.millennium.ch

Geo

EMEA

Industry

Service Provider

Solution Area

Accelerate Core Applications
Modernize Data Protection

Products in Use

Pure Storage® FlashArray™//X
Pure Storage FlashBlade®
Portworx® Enterprise

Millennium Builds a New World of Work

From concept to construction, CTO Martin Schlienger's goal for Millennium was clear: to create a truly smart office building where everything is connected to the cloud and controlled with an app. To accomplish this, he designed an IT infrastructure that integrated elements of building management systems such as video surveillance, physical access, and lift systems with traditional network and database requirements. All require massive amounts of scalable, on-demand storage. Pure Storage provides the performance and capacity to support data from more than 4,000 connected devices and 500 surveillance cameras across 40,000 square meters.

People Innovate Best Together

When Millennium first opened its doors in August 2021, the building was already at full occupancy. Millennium offers tenants – which range from global telecoms and luxury manufacturers to tech startups – a state-of-the-art environment that fosters in-person collaboration and innovation, without extensive overhead.

“Great technology is technology that’s invisible. Our clients never hear about Pure because it just works. We have the performance, capacity, and storage that enables us to provide tenants with outstanding digital services.”

MARTIN SCHLIENGER,
CTO, MILLENNIUM

Impact on Millennium



Enables high-tech, high-touch customer experiences



Automates management of user services while minimizing client overhead



Future-proofs the building's technical environment, speeding innovation

Challenges



Build a storage solution that supports both IT and building operations data



Flexibly accommodate 24/7 surveillance video data from 500+ cameras



Integrate cloud-native workloads on private and public clouds

Results



Handles more than 4,000 connected devices and hundreds of network devices



Supports real-time, simultaneous streaming inputs



Builds a B2C application delivering services through a hybrid cloud architecture

“As more companies adopt hybrid work models our tenants are focusing on the quality and added value a workplace can bring,” says Martin Schlienger. Millennium manages a sophisticated technology landscape that makes for a truly smart building while providing superior hospitality services and a high-end conference center. Everything is connected with digital services and a mobile application, myMillennium, developed in-house with cloud-native technologies. The app accompanies each resident in their journey at Millennium. Martin needed a reliable, flexible storage foundation that could scale alongside Millennium’s development.

Partnership Means Accountability

After reviewing available storage options, Martin selected Pure Storage because of its ability to scale storage and server capacity independent of each other and because of Pure’s customer experience and end-to-end support.

“In my experience with previous storage providers, there was a lot of finger-pointing,” says Martin Schlienger. “Pure committed to step up and investigate any issues thoroughly, whether they’re related to networks or servers or software.”

Today, Millennium employs a combination of FlashArray//X, FlashBlade, and Portworx in its data center. FlashArray supports Millennium’s primary workloads, including hosted VMs and databases. Snapshots of this data, as well as application-wide backups, reside on FlashBlade for data protection and rapid restore. This Pure full portfolio of storage infrastructure enables Millennium to run modern applications with the agility necessary to deliver the best service to end users.

In addition, two-months’ worth of simultaneous streaming inputs from more than 500 cameras totaling more than 2.5Gbit/s constant stream recorded on FlashBlade, which also serves as a unified log system for third-party applications residing in on-premises and cloud workloads.

Next up for Millennium

Millennium dedicates part of its building space to new projects and helps incubate startup companies. The building is constantly evolving and improving. Using cloud technologies such as Kubernetes, Edge computing, and IoT, Pure and Millennium will deliver the best.

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purestorage.com

800.379.PURE

