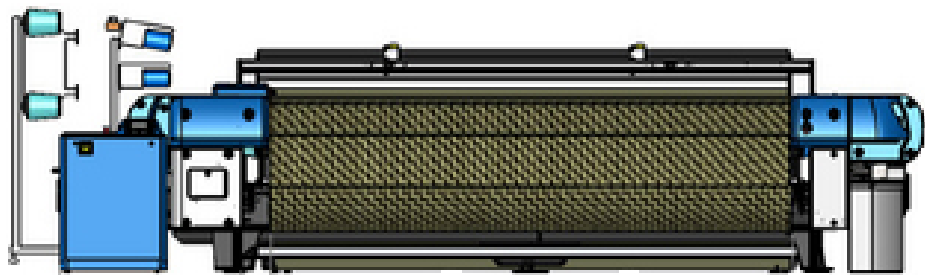




P.T.M.T Textile Machines Italy simplifies and speeds up CAD projects while insuring easy backup and sharing.

Solution delivered by

ANTEDATA



The Highlights

Industry

Textile & CAD

The Problem

Dispersed projects that made collaboration difficult and no backup infrastructure.

The Solution

Centralize all project data on Syneto Storage and benefit from increased speed, easy sharing and fast backups

The Benefits

- Faster PDM with SSD cache
- Quicker CAD time-to-market
- Easy access to all projects
- Solid Disaster Recovery

Customer Profile

Founded in 1992, Panter is one of the leading producers of both positive and negative rapier looms. The company's core product development values of flexibility, versatility, speed and low maintenance costs were forged through the market changes that demanded a large palette of styles, samples and seriously reduced time to market. Panter was created to answer these new market demands through Mr. Nello Pezzoli's unmatched 50 years of experience with textile looms. This treasure-trove of expertise was, in turn, handed down to his sons Luigi and Paolo.

Innovation is essential to Panter's business process. They proved this once and for all with the creation of the first modular positive/negative convertible use rapier in the world. Panter P.T.M.T. offers a wide array of quality product and services like:

- Textile machinery design
- Textile machinery production
- After sale service
- Supply of original spare parts

With the an almost identical set of core values, the partnership between P.T.M.T. Panter and Syneto is best described as natural and very productive, now and in the future.

⚠️ The Problem

Missing storage space for Solidworks PDM

PTMT could not ensure complete control over all the design information, version control and no data loss because they lacked an adequate data storage solution with virtualisation for the PDM.

Decentralised data and non-centralised CAD

Good data management is essential for faster CAD development. The lack of a central repository for all the models creates huge project management problems and

pushes back the completion time. Unorganised data does not allow essential multiple attribute retrieval and ultimately leads to corrupted interfile relationships and data overwrites. This can be fatal to any CAD project.

Unclear workflow responsibilities in CAD

With no infrastructure to install the PDM, PTMT was facing problems with interfile dependencies. As changing one file can effect everything else concerning the project, the team was losing a lot of time with sorting different data.

Slow time-to-market with no storage for PDM

With every member of the team spending huge swaths of time on trying to merge different CAD project pieces, PTMT was registering slow project completion terms.

Data loss due to no solid backup solution

Every team member working on independent hardware leads to risks concerning data loss and corruption. Without a centralised backup solution, Disaster Recovery and Business Continuity could not be ensured.

🕒 The Solution

Syneto Storage with VMware & Active Directory

PTMT selected the Syneto Office Storage which offers a powerful VMware integration feature. This allowed for the installation of a virtualised Solidworks PDM that could centralise every aspect of the CAD development process.

A virtualised Active Directory server, also on the Office Storage, allows controlled and safe access to CAD project data while maintaining a low hardware footprint and high usability.

SSD cache to buffer heavy data reads/writes

Office Storage provides an SSD cache feature that is invaluable for speeding up data access times. This feature keeps important and frequently used CAD data in the

cache layer and serves it to the user much faster. Because a CAD project means different users working on separate designs, the SSD caching helps with delivering frequently used pieces much faster. This accelerated the completion times of all CAD projects

Disaster Recovery with fast Backups and Replication

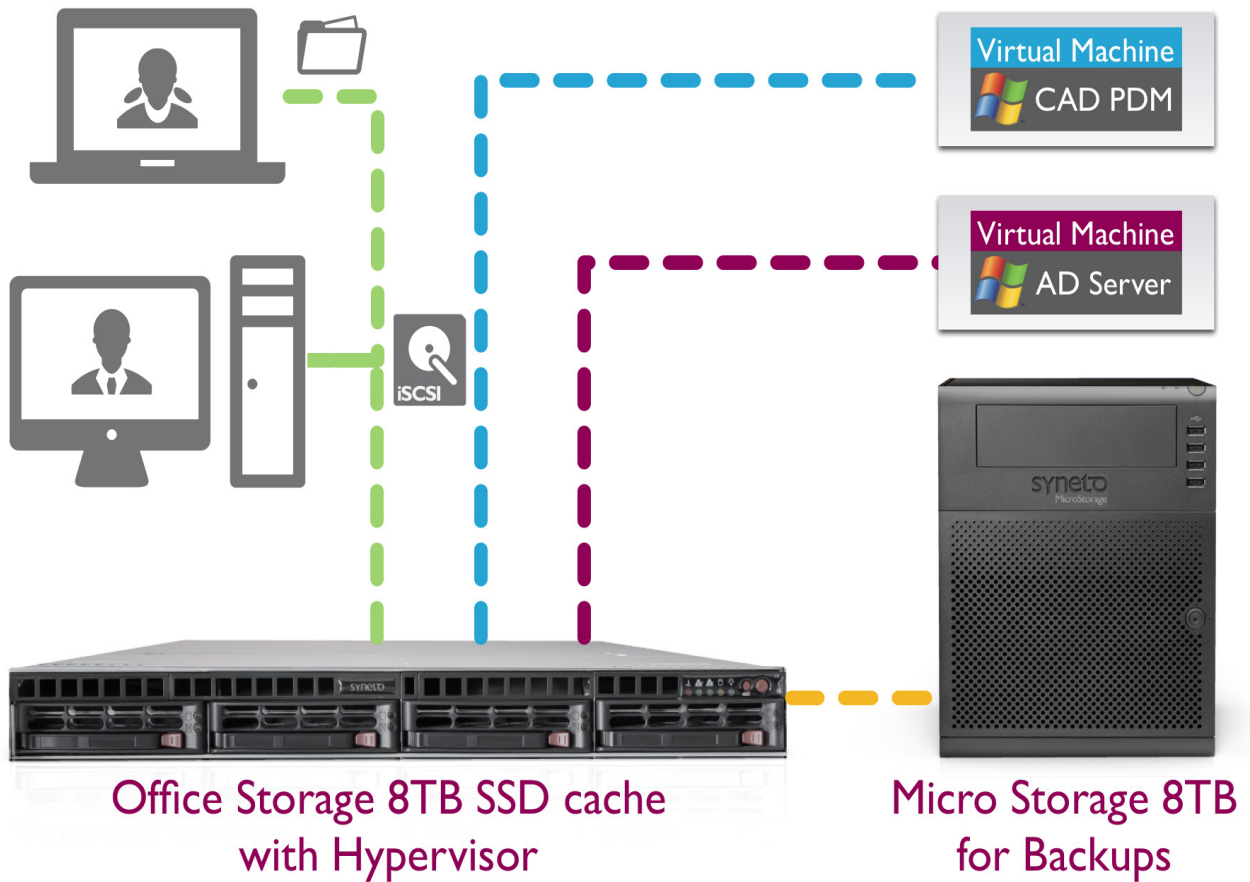
The data safety requirement for PTMT was solved by using the excellent Backup feature on Syneto Storage. The ZFS file system allow for very fast, incremental backups of all the data, including the virtualised Solidworks PDM and AD server. The Backup process can be scheduled and automated requiring little maintenance and no downtime.








To ensure a solid Disaster Recovery plan, the backed-up data on the Office Storage solution is replicated on to a separate Micro Storage solution. The incremental replication process can also be scheduled and automated.

A single solution for all CAD challenges

The complete CAD solution from Syneto solved all the issues faced by PTMT. A powerful virtualisation platform for the PDM which resulted in a streamlined work process. The virtualised AD server secured and managed data access privileges while the SSD cache improved completion times. Data is always safe due to Storage OS's backup and replication features.

🌐 The PTMT network diagram



DESCRIPTION			
	iSCSI / NFS shares		NFS share
	Product Data Management		iSCSI share
	Domain Controller		Users
	Backups Send/Receive		

“Syneto Storage proved to be the perfect band-aid for the challenges we were facing. We wanted to streamline CAD projects while having fast access to data and a robust backup platform.”

Solution Components

- Syneto Office Storage 8TB with SSD cache
- Syneto Micro Storage 8 TB
- VMware integration feature
- Active Directory integration feature
- Backup & Replication feature
- Solidworks PDM

? Solutions

Syneto Storage can help you meet any data related goals within your organization:



Data Archiving



Data Backup & Recovery



Efficiency & Availability



Personal Data Cloud



Accelerate CAD Projects



Consolidate Data Storage



Virtualize with VMware



High Availability Cluster



Provide Cloud Services



Windows Storage



About Syneto

Here's why Syneto is such a reliable partner:



Deployment in 15 minutes



Easy to use systems



Great Tech. Support



Automatic updates



No hidden fees