



Textile maker switches to thin clients to **boost efficiency on shop floors** & reduce cost of endpoint computing

Industry: Manufacturing

This textile manufacturer is a part of a global conglomerate and is among the top publicly listed companies in India. Incorporated in 1940s, it started as a textiles manufacturer and has steadily evolved into a leading diversified player with a leading presence across many sectors. It is a leading global producer of Viscose Staple Fiber and the largest Chlor-Alkali, Linen, and Insulators player in India. It aims to create sustainable value for its 24,000+ employees, 230,000+ shareholders, society, and customers. Its largest manufacturing unit is also the world's largest producer of spun-dyed specialty fiber. It produces a wide range of Viscose Staple Fiber (VSF) to suit customer needs in terms of length, denier, and color.



Downtime of thin clients is much less as compared to traditional PCs. Replacing a thin client hardly takes 10 mins, whereas it takes anywhere between 3-4 hours to provision a desktop. Therefore, users like it. They can work smoothly. And even if there is any untoward downtime, users get their data back, reducing the overall impact on productivity.

The Textile Manufacturer

Challenges

- Shop floor operations took a hit due to frequent breakdown of PCs and long resolution time at the plant
- Poor user experience due to unstable internet connectivity
- Recurring expenses due to shorter hardware lifecycle in the harsh and corrosive environments on the shop floors
- Excessive burden on the IT team to physically attend and manage a vast number of endpoints

Solution

- Application & desktop virtualization
- Rugged thin client endpoints
- Centralized administration & management

Benefits

- Productivity increased and overall operational efficiency improved as downtime reduced
- Improved IT team's efficiency as installations, upgradations, OS patching can all be done from a centralized console without IT admins' presence locally
- Improved user experience due to faster resolution and quick data recovery
- Reduced OpEx due to increased hardware lifecycle & 70% lesser power consumption by thin clients



Business requirements

- Setting up a robust and rugged IT system that performs well in the shop floors' harsh environment
- Streamlining and centralizing IT administrative activities

The Solution

- HyWorks: Application and Desktop Virtualization
- HyDesk: Thin client hardware

The manufacturing facility at Nagda, Madhya Pradesh, operates 24 hours, producing 430 tonnes of fiber daily. The primary output is Viscose Staple Fibre (VSF) which is used in apparel, home textiles, dress materials, knitwear, and non-woven applications.

Frequent breakdown of PCs and long resolution time was negatively impacting the operational efficiency on the shop floors at the textile plant. The IT team was facing an uphill task of maintaining traditional PCs that would experience high failure rates due to dust, temperature, vibration, and other common environmental challenges on the shop floors. Identifying a device or system failure, by itself, was a tedious manual task. These legacy systems were not only limiting their ability to be flexible, but also increasing the cost of maintenance and replacement.

The textile producer replaced the endpoint devices with rugged and robust Accops HyDesk thin clients --- small and lightweight devices that were easy to move and mount. Accops-provided thin clients were designed for harsh environments and built with features that increased reliability on the shop floors. Their failure rates were significantly lower than the traditional devices.

By switching to thin clients, the company managed to reduce downtime and boost throughput while maintaining a low TCO.

With Accops VDI solution, the company was able to virtualize its internal applications and centralize all administrative activities. IT admins can now do all software upgrades, OS patches, and other such administration and maintenance work from the central HyWorks console. Thus, the company was able to reduce costs, and improve IT efficiency, while enabling shop-floor users to be more productive.