vinchin

CUSTOMER STORY



Production
VMware

"Vinchin has given us greater confidence in protecting our critical systems across different sites. It's made backup and recovery jobs much easier to schedule and monitor, while giving our teams the flexibility to respond quickly when something goes wrong. For a manufacturing business like ours, knowing we can keep operations running is extremely valuable. We're very satisfied with Vinchin."

JYerlan Akhmetov,
IT Operations Manager
Qarmet JSC

Business Challenge

Risk of production downtime: Every minute of production downtime can result in significant financial losses. Industry data indicates that approximately 25% of businesses never resume operations after a major disaster.

Protection of heterogeneous systems: The IT environment combines virtualized platforms, physical servers, databases, and various manufacturing management systems, creating a need for unified data protection.

Supply chain resilience: Production disruptions can affect complex supply networks, making reliable recovery capabilities essential for restarting operations quickly and minimizing the impact on upstream and downstream suppliers and customers.

Regulatory compliance: Meeting security and quality requirements during the recovery process adds further complexity to data management.

Qarmet's operations rely heavily on a complex IT environment built on VMware vSphere, which supports critical business processes ranging from Manufacturing Execution Systems (MES) and Enterprise Resource Planning (ERP) to Supply Chain Management (SCM).

Vinchin Solution

1. Distributed Deployment with Centralized Management
Vinchin's flexible licensing model supports multi-site deployment. Qarmet independently deployed Vinchin servers at each plant, enabling local data protection and fast recovery while providing centralized monitoring from the headquarters. This model meets a key requirement of the manufacturing group: combining distributed autonomy with centralized control.

2. Comprehensive Protection for Heterogeneous IT Environments
Vinchin supports both agentless and agent-based backup, allowing it to adapt to different systems and workloads. It protects virtual and physical servers while also providing comprehensive protection for databases, critical applications, and NAS storage, enabling unified data protection across Qarmet's complex manufacturing IT environment.

3. Multi-Layered Recovery for Business Continuity
Vinchin follows the 3-2-1 backup rule and provides multiple recovery options, including cross-platform recovery (V2V and P2P), remote-site recovery, and cloud recovery. This creates a multi-layered disaster recovery strategy that allows critical business workloads to be recovered at a secondary site or in the cloud if the primary production center becomes unavailable, helping maintain business continuity.

Result

Qarmet's experience demonstrates that investing in an integrated, comprehensive, and cost-effective backup and disaster recovery solution such as Vinchin can play a key role in strengthening operational resilience. The distributed deployment model enables local protection and rapid recovery while maintaining centralized oversight across sites, supporting production stability and supply chain resilience.

With Vinchin, Qarmet has established a data protection foundation designed not only to safeguard critical data, but also to support continuous production, resilient supply chains, and long-term business growth.

Question? Need support?
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