

CUSTOMER STORY

"All these settings provide excellent security and backup speed. The entire system runs smoothly without any problems. Vinchin Enterprise Edition allows us to protect both virtual machines and physical servers simultaneously, and the unified management interface greatly simplifies our operational work."

Dominik Wąskowski,
Operations Director and Board Member,
Radex Poland Sp. z o.o.

RADEX®

Others
VMware, Hyper-V

Business Challenge

As a fast-growing manufacturing enterprise, Radex's IT environment had become increasingly complex. The company relied on both a VMware virtualisation platform—running 18 virtual machines across three Dell physical hosts—and several standalone physical servers that hosted critical business applications. This heterogeneous infrastructure posed a major challenge: there was no unified data protection solution capable of covering virtual machines and physical servers alike under a single management framework.

In addition, the company's legacy backup approach was becoming a bottleneck. Traditional backup jobs consumed excessive time and often interfered with daily operations, creating a risk of prolonged downtime in the event of a failure. At the same time, Radex wanted to make better use of its existing storage assets, including high-performance SSD storage (ME5024) and multiple Synology NAS devices. The goal was to implement a tiered, 3-2-1 backup strategy that would combine local high-speed backups, on-site redundancy, and off-site disaster recovery—without adding unnecessary complexity to the IT team's daily workload. The lack of a centralised management console further complicated operations, forcing administrators to juggle multiple tools and making it difficult to monitor backup statuses or respond quickly to potential issues.

Vinchin Solution

To address these challenges, Radex deployed Vinchin Backup & Recovery Enterprise Edition. The solution provided a single, unified platform that seamlessly protected both the VMware virtual environment and the physical servers, eliminating the need for separate tools or agents. With agentless backup for VMs and an integrated physical server protection module, the deployment was straightforward and did not disrupt existing workloads.

The architecture was designed around a robust 3-2-1 backup strategy:

First copy (high-speed primary backup): Using LAN-Free transport mode, VM data was rapidly backed up to the primary ME5024 SSD storage, minimising the impact on the production network and ensuring short backup windows.

Second copy (local redundancy): The backup copy feature automatically replicated the first copy to a Synology NAS located in the same server room, creating a secondary on-site copy for quick restores.

Third copy (off-site disaster recovery): A further replication job sent the backup data to another Synology NAS situated in a separate building, providing geographical isolation and protection against site-level incidents.

Vinchin's centralised monitoring dashboard gave Radex's IT team a complete, real-time view of all backup tasks, while job orchestration capabilities automated complex backup workflows, significantly reducing manual effort. The platform also supported backup encryption and WORM-compatible storage, adding a strong layer of defence against ransomware attacks.

>>>> Result

With Vinchin Enterprise Edition, Radex successfully established a unified, high-performance data protection environment that met all its operational and security requirements. The solution brought virtual machines and physical servers under a single management console, drastically simplifying administration and reducing the complexity that had previously burdened the IT team. Backup times improved significantly thanks to LAN-Free transport and efficient replication mechanisms, allowing critical business operations to run without interruption.

The implementation strictly adhered to the 3-2-1 backup principle, delivering three independent copies of data across two different media types, with one copy stored off-site. This layered approach greatly enhanced Radex's resilience against hardware failures, accidental deletions, and ransomware attacks. The deployment was completed quickly—initial contact to first order took less than a week—and when the company's infrastructure evolved in early 2026, Vinchin's technical team proactively assisted in upgrading the licensing to ensure continuous, gap-free protection. Since going live, the system has operated flawlessly, providing Radex with the security, speed, and operational simplicity required to support its ongoing business growth.

Question? Need support?

Tel : +86-135-5029-3426 | Email: sales@vinchin.com