

CUSTOMER STORY

“At Northeast Electric Power Design Institute Co., Ltd, it is imperative for us to enforce rigorous backup and disaster recovery protection for all our data. With stringent requirements and substantial data volumes, finding a solution that adequately meets these needs has been a challenge. We are delighted that Vinchin has stepped in to resolve this issue, effectively addressing the complexities of managing our vast data sets.”

CPECC
中电工程
Energy
VMware, Citrix, Sangfor

IT Manager
Northeast Electric Power Design Institute Co., Ltd.

Business Challenge

Northeast Electric Power Design Institute Co., Ltd, a subsidiary of China Power Engineering Consulting Group, was established in 1950. Over its 70-year development journey, it has achieved remarkable successes, creating numerous achievements in China's power construction and making outstanding contributions to the nation's economic growth at various stages. Equipped with capabilities in project consultancy, survey and design, EPC project management, supervision, as well as investment and financing management, Northeast Electric Power Design Institute serves clients nationwide and extends its reach globally. Its business scope encompasses traditional power, new energy and emerging energy models, environmental governance, architecture, and infrastructure construction.

However, the company is also grappling with an increasingly complex IT landscape, particularly in data management and protection. As its business expands and digital transformation deepens, the complexity of its data centers and the volume of data have surged, posing higher demands on its existing IT infrastructure and data management strategies. Firstly, the data center houses multiple virtualization platforms including VMware, Citrix, and Sangfor, necessitating backups for all business virtual machines across these platforms. Secondly, with a massive amount of data and employing both distributed storage and NAS for file storage servers, a considerable volume of design documents are housed. Additionally, in consideration of potential natural disasters, human errors, or other unforeseen risks, establishing a dependable offsite backup system has become vital.

Vinchin Solution

In response to the challenges faced by Northeast Electric Power Design Institute Co., Ltd, Vinchin offers a comprehensive and efficient data protection strategy that aligns seamlessly with the company's long-standing history and extensive operational scope, aiming to reinforce its data management and security framework.

Firstly, Vinchin adopts an advanced distributed storage architecture to tackle the complexities of managing numerous backup data within the data center, significantly enhancing the storage system's capacity and backup efficiency. For the multi-platform environment, Vinchin employs an agentless approach to back up virtual machines across various virtualization platforms including VMware, Citrix, and Sangfor, unifying the backup process. It also supports heterogeneous instant recovery of VMs, allowing for swift restoration of business systems and substantially reducing RTO. Moreover, leveraging leading domestic NAS backup technology, Vinchin dramatically accelerates file backup speeds, ensuring the security of data.

Additionally, Vinchin prevents redundant investments and utilizes LAN-Free backup mechanisms to alleviate network congestion, thereby optimizing the overall performance of the backup system and yielding substantial benefits for the company's IT resource management. The centralized protection of massive data volumes and flexible disaster recovery strategies considerably reduce daily maintenance workloads.

>>>> Result

Vinchin solution, through its innovative technologies and services, has constructed for Northeast Electric Power Design Institute Co., Ltd, an efficient and secure data protection system. This solution not only significantly accelerates backup and recovery speeds to ensure business continuity; but it also effectively manages the vast quantity of design files, controlling storage costs. These measures address current data management challenges while substantially enhancing the company's technological innovation capability and market competitiveness, laying a solid foundation for its sustained leadership position in the field of power construction.

Question? Need support?

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