

CUSTOMER STORY

“With Vinchin’s solution, we finally feel at ease! Business operations barely come to a halt, disaster recovery drills are operable with one click, and data security gets double safeguards. It’s incredibly worry-free to use. This system is absolutely the digital vault for us.”

IT Manager

Zhejiang Communications Investment Group Co., Ltd.

CICO 浙江省交通投资集团有限公司
Zhejiang Communications Investment Group Co., Ltd.
CICO
浙江交通集团
Others
VMware, MySQL, PostgreSQL

Business Challenge

Zhejiang Communications Investment Group Co., Ltd. is the largest sand and gravel aggregates supplier in Zhejiang Province, the largest basalt supplier in East China, and a first-class green intelligent mining enterprise in China, with industrial scale ranking among the national forefront. The group undertakes investment, financing, construction, and operational management of provincial highways, railways, cross-regional rail transit systems, and comprehensive transportation hubs, serving as a core force in Zhejiang's integrated transportation development.

In its digital transformation, the group faces critical challenges. Core operational data from sand-gravel supply chains, basalt mineral scheduling, and transportation infrastructure maintenance confront severe risks: cross-platform data lacks unified protection mechanisms, exposing critical production data to loss risks. Simultaneously, as a key entity safeguarding provincial transportation networks and mineral supplies, the group urgently requires second-level disaster recovery takeover capabilities for real-time transportation hub monitoring data and mining production data to ensure zero service interruption during emergencies. To address these challenges, the group needs to implement a comprehensive data protection solution covering virtualized environments and multi-database systems. Through layered safeguards including real-time backup, anti-virus encryption, and off-site disaster recovery, it aims to establish a robust security foundation for the 100-billion-level transportation infrastructure and digital transformation of green mining.

Vinchin Solution

To address the group's real-time disaster recovery requirements in core business scenarios, Vinchin has developed a solution deeply integrated with business characteristics.

Vinchin Backup & Recovery continuously captures data from VMware and MySQL/PostgreSQL database systems. Combined with second-level IO monitoring capabilities, it ensures real-time synchronization of all critical data, guaranteeing “zero loss” protection against sudden failures. It automatically identifies application architectures across platforms, precisely locates data, and supports manual one-click disaster recovery activation, significantly reducing RTO to prevent delays in provincial transportation infrastructure projects or disruptions to mineral supply chains caused by data outages.

For critical business systems, CDP is provided, enabling data rollback to any point in time to defend against ransomware attacks or operational errors. A graphical interface facilitates “one-click disaster recovery drills” and visual failback operations, allowing regular verification of disaster recovery reliability without impacting production environments, ensuring flawless execution during actual emergencies. For future core business data, real-time backup and business takeover capabilities can be implemented through upgradable modules, enhancing system continuity planning in abnormal environments.

>>>> Result

Vinchin has enabled Zhejiang Communications Investment Group to achieve real-time protection and second-level recovery for core business data, minimizing service downtime and ensuring continuous stable operation of critical operational processes. Simultaneously, it effectively mitigates risks from ransomware attacks and human errors, safeguarding the security and sustainability of major infrastructure investments. This establishes a trusted digital moat for the enterprise's digital transformation.

Question? Need support?

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