

“Since implementing the Hitachi Content Platform, we improved efficiency of backup and recovery by over 30%. We don't worry about passing a KPI evaluation.”

Zhao Mingming, IT Operation and Maintenance Manager,  
Shandong Telecom (part of China Telecom Co., Ltd.)



## SUCCESS BRIEF

## Shandong Telecom (China Telecom) Manages Rapidly Growing Unstructured Data With Hitachi Content Platform

### Challenge: Support and Protect Unstructured Data

Shandong Telecom, established in October 2002, is part of China Telecom, the state-owned telecommunication company. It is the largest fixed-line service and the third largest mobile telecommunications provider in the People's Republic of China.

- All the unstructured data, such as call detail record (CDR), voice calls, scanned copies of financial files, and so forth, are in the tape library via Veritas NetBackup (NBU).
- Growing 4G traffic led to a massive increase in the volume of unstructured data, as well as an increase in purchasing costs of the backup software and tape library.
- Data backup and recovery was a long process. Plus, the data in the tape can't be restored.
- The company needed to ensure business continuity of its key business systems, such as Management & Business Operation Supporting System (MBOSS).

### Solution: Improve Data Protection, Implement Object Store

For greater data security and to manage rapid growth of unstructured data, Shandong Telecom moved from a tape library (NBU) to a Hitachi data protection and object storage solution:

- Hitachi Virtual Storage Platform G1000 with global-active device and Hitachi Universal Replicator replicate the of core business system, including MBOSS.
- Hitachi Content Platform (HCP) replaces part of the existing Sun SL500 tape library to archive unstructured data.
- HCP uses S3 (Amazon Simple Storage Service) protocol to create an easy user interface for Shandong Telecom's existing environment for easy and better adoption.

### Outcome: Time and Cost Savings, Top Efficiencies

Shandong Telecom now preserves massive amounts unstructured data for long periods of time, with the HCP object storage solution, which:

- Eliminated the time and effort needed for big data backup.
- Improved efficiency of backup and recovery by over 30%.
- Ensures greater business continuity.
- Reduced tape library purchasing costs and staff overtime. Estimated savings: US\$0.9 million over three years.
- Allows more convenient data sharing (separates production and test environment).
- Reduces time and effort needed to locate information via new user interface.



**Shandong Telecom**  
(part of China Telecom)

#### INDUSTRY

Telecommunication

#### SOLUTIONS

Object Storage, Data Protection, Storage

#### HARDWARE

Hitachi Content Platform (HCP) G10, HCP S10, Hitachi Virtual Storage Platform G1000

#### SOFTWARE

Hitachi Content Archiver, Hitachi Content Platform. Hitachi Universal Replicator global-active device

#### SERVICES

Hitachi Content Platform Implementation Service provided by Hitachi Vantara Global Services Solutions



Improved efficiency of backup and recovery by over 30%.

Hitachi Vantara

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