

Case Study

# PoINT Jukebox Manager China Construction Bank (CCB)



The China Construction Bank (CCB) is the second largest bank in the world. Within the course of a revision project of the CCB in June 2006 an international call for tenders had been started for archiving more than 450 TB of data from the Enterprise Content Management system. Despite the high participation of different competitors and the strict technical rating the German company PoINT Software & Systems GmbH had won this tender exclusively together with their longtime partner Human Interactive Technologies GmbH (HIT). Already in 2006 38 provincial branch offices had been equipped with around 120 Netzon GMS3560

jukeboxes and the Chinese version of PoINT Jukebox Manager.

In June 2008 the existing archiving solution was extended, where already two petabyte were stored on double layer DVD media. Also the second tender could be won in common and additionally NETZON GMS 2105 with PoINT Jukebox Manager were implemented.

Crucial for winning both tenders was i.e. the performance of PoINT Jukebox Manager regarding the file volume: in a test run approximately 750.000.000 files were archived.

## Challenge

- Capacity of about 2000TB for archiving data from the ECM system
- Handling of big data volumes required
- High flexibility as well as quick response to customer needs requested
- Search for the archived data also through the ECM system

## Solution - PoINT Jukebox Manager

- By PoINT Jukebox Manager two petabyte data are stored on double layer DVD media
- Inactive data is stored automatically by the software on to optical discs and are deleted from the hard disk, thus free capacity is gained
- Installation: 130 NETZON GMS3560 and 40 NETZON GMS2105 jukeboxes server with Chinese version of PoINT Jukebox Manager are in use; each jukebox has 16 magazines, each magazine contains 35 media (currently DVD+R DL with 8 GB are used)
- Optional data mirroring: media with identical content can be separated on demand into two jukebox systems (e.g. in two different fire safety sectors)
- Automated test routine checks, according to manual instructions, the readability of data and media: data remain at the hard disk as long as the optical media are written completely and without any error
- Off-line storage: magazines are removed from the library and stored separately

## Advantages

- Off-load of the fast primary storage
- Secure long-term archiving of big data volumes
- Archived data still accessible via the file system
- Increased data security by optional data mirroring
- Power savings by off-line storage
- Increased data security by test routine

## About HIT Human Interactive Technologies GmbH

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HIT GmbH is situated in Nurnberg and was established in 2000 on occasion of the takeover of the jukebox-division of Grundig AG. The company develops, produces and merchandises CD/DVD/BD jukeboxes world-wide. Main business segment are the removable 35-slot-magazines which take up a maximum 560 CD/DVD/BDs nearline and which are at the same time suitable for long-term off-line archival. The robotics especially advanced by HIT allows to connect current standard drives smoothly.

Further information can be found at [www.hit-netz.com](http://www.hit-netz.com) or [www.netzon.eu](http://www.netzon.eu).

## About PoINT

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PoINT Software & Systems GmbH is specialized in the development of software products and system solutions for storage and management of data using all available mass storage technologies like hard disk, magnetic tape, optical media, object store and cloud storage. PoINT works jointly together with leading hardware manufacturers. Thus PoINT can offer an early support of innovative storage technologies. Besides these complete solutions PoINT also offers its know-how as toolkits, which can be easily integrated in other applications by the programming interface.

High flexibility, observance of the workflow and policy-based data management allow an efficient usage of hardware and thus help to reduce costs and problems caused by data growth.

**Additional information and a trial version of the software are available at [www.point.de](http://www.point.de).**