

# Case Study ›

## PROJECT OVERVIEW

- Disaster recovery centre for a bank which manages 150B USD capital
- 88 racks in total
- 5000 patch cords
- 6000 outlets data centre

## Shandong Agriculture Bank, China

### Background

Shandong Provincial Agriculture bank was established in 1951 and after 60 years of development it now has 31 branch banks, 5564 outlets and 64000 employees in Shandong Province. With 150 billion USD capital, it has become one of the biggest regional banks in China.

Due to the quick development and growth of the bank, data security and stability became one of their key challenges. Therefore, a new offsite data centre was established, with the aim of becoming the new generation information system disaster recovery centre, data storage centre as well as providing information system operations and acting as a research centre.

Mr. Sun, the vice GM of distributor Zhao Wei Electronics, commented "It is our honor to help Shandong Agriculture Bank build its offsite backup data centre. Molex products are highly recommended by our customers because of the products reliability and stability, which enforces our confidence to promote Molex products in other data centre projects."

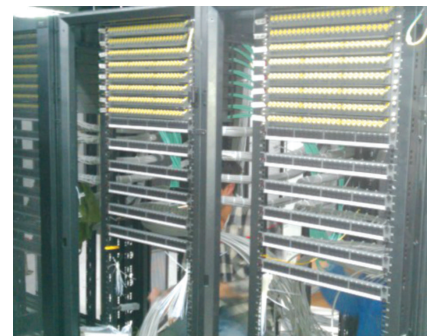
### The project

The offsite backup data centre building has 6 floors; 1 floor underground and 5 floors above ground, with a total of 4115 square meters of construction area. The disaster recovery centre and data offsite storage centre located on the 1st and 2nd floors are connected to 2 different Telecom operators by 10000 metres of OM3 fibre cable to ensure the network connection is ready to operate 24/7. 88 storage, equipment and server racks are connected by 335 PowerCat 6 24 port copper patch panels, 200 24 port fibre patch panels and 5000 fibre patch cords, all working together to ensure the total reliability of the infrastructure responsible for the important backup of the banks data. In an emergency situation, the backup centre could also take over the responsibility of running the whole bank system – just one more reason why a reliable infrastructure solution was essential.

"There are 88 racks, 5000 patch cords and other equipment in just 1500 square meters of space. With no tolerance for mistake or delays due to the nature of this disaster recovery and data storage centre; this project was a big challenge for us" Mr. Sun said, "Fortunately we use Molex products. The consistently excellent performance of Molex products helped us face this challenge confidently, and the success in Shandong Agriculture Bank proved our confidence in these products was well founded."

### Why Choose Molex?

Due to the swift development of Shandong Agriculture Bank, the stability and safety of the data operation and storage became more and more important; therefore the establishment of the offsite backup centre also became significantly important for the bank. The new offsite storage of the data would ensure the data



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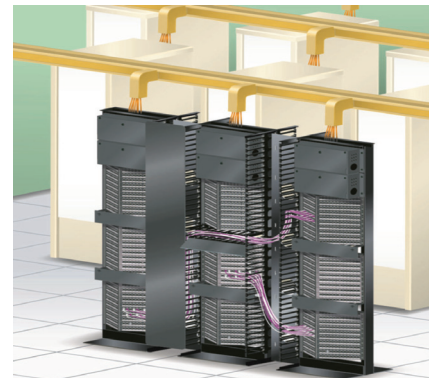
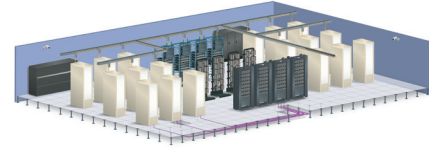
## Shangdong Agriculture Bank, China

safety in all situations regardless any mistakes or loss in the main data centre, and, the disaster recovery centre would be able to provide instant consistent service for bank operations. In essence this new back up site acts as a backup brain for bank. The cabling system then becomes the nervous system for the backup brain, so a structured cabling system which could 100% guarantee the operation of the disaster recovery centre was undeniably the most important aspect for the customer.

Mr. Sun commented "As an important information project in Shandong, the bidding competition for the cabling system is very tough; most of the key brands were involved in this project. Finally Molex won this project is because of several key factors. Molex's attention in product details (such as colourful modules and labels) would help customers in distinguishing different network outlets easily; unloaded shutters also enhanced the protection for these modules, all of which makes the products extremely suitable for high density and complex data centre environments. The Molex 25 year guarantee on products was far higher than the customers 15 year guarantee expectation, which increased the customer's ROI. Molex's technical advantages on connection devices helped the data operation run safely, reliably and efficiently. Finally Molex's continuous excellent performance in other key projects also deeply impressed the customers."

### Conclusion

"As a new generation green data centre, the project construction requirement and standard is very high, but the time of construction is very short. I am very proud that Molex could help this key project finish successfully." Commented Molex Greater China Regional Sales Director Timothy Lam, continuing "Through this project, we were able to examine the reliability of Molex products in high standard and high density environments again, which helps us build a solid data centre solution and enables us to create unique technologies and services to help Chinese data centres continue to develop and flourish.



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