

Case Study

Da Chan Bay Terminal One

»We are very pleased to work with Fujitsu and we enjoy the benefits of its world class products. Fujitsu PRIMEQUEST was the best choice for us to meet the requirements of our business growth«

Barbara Zhang, Manager, IT Department, Shenzhen Da Chan Bay Modern Port Development Co. Ltd.



The customer

Da Chan Bay Terminal One is wholly owned by Da Chan Bay Modern Port Development Co. Ltd. Leveraging a full range of the most-advanced equipment and information technology, it delivers customers continuous service excellence through a full portfolio of vessel-operation and container-related services that exceed international standards.

Da Chan Bay Terminal One is managed by Modern Terminals Limited, which has 40 years of experience in container terminal operations in Hong Kong, one of the world's busiest seaports. Modern Terminals Limited is fully committed to providing a high quality, unique experience to Da Chan Bay's customers.

The challenge

The terminal's previous Cargo Movement Operating System (CMOS) was unable to meet the demand of business growth. Therefore Da Chan Bay decided to upgrade the terminal's core CMOS platform by implementing the world leading NAVIS N4 terminal operating system.

However their existing IT infrastructure lacked the performance required to support the new system. Specifically, re-deployment of the NAVIS N4 system was inefficient and fell behind expectations leading to an unnecessary increase in OPEX. For this reason it became imperative that the IT infrastructure was also upgraded.

The solution

Due to the system requirements of NAVIS N4, Da Chan Bay's infrastructure, housed in their data center, would need to be upgraded including servers, storage and networks. Da Chan Bay selected Fujitsu PRIMEQUEST servers as the main component for the new infrastructure in order to improve the efficiency of system deployment and business sustainability.

Separating it from other X86 servers, PRIMEQUEST has unique RAS features that deliver outstanding reliability and stability to any mission critical system and application. Therefore as Da Chan Bay's new NAVI N4 system required 24x7 non-stop operation, running on a mission critical server that could reinforce the necessary reliability and stability was essential.

The customer

Country: China
Industry: Transportation
Founded: 2003
Website: www.dachanbayone.com



The challenge

The terminal's previous Cargo Movement Operating System (CMOS) was unable to handle business growth and therefore Da Chan Bay decided to upgrade to the world leading NAVIS N4 terminal operating system. However as their existing IT infrastructure lacked the performance required to support the new system, it too needed to be upgraded.

The solution

Da Chan Bay selected FUJITSU Server PRIMEQUEST for the new infrastructure in order to improve the efficiency of system deployment and business sustainability. PRIMEQUEST has unique RAS features that provide Da Chan Bay with the mission critical reliability and stability needed to support the new NAVI N4 system which operates 24x7, non-stop.

The benefit

- Improved reliability and stability minimizes system downtime
- Efficient system deployment and a reduction in OPEX
- Optimized use of the new NAVIS N4 system

The benefit

Da Chan Bay deployed Fujitsu PRIMEQUEST 1800E2 as the database server for their new NAVIS N4 system as a result of its mainframe level RAS features, ideal for supporting mission critical environments. By leveraging the powerful performance and outstanding reliability of PRIMEQUEST, Da Chan Bay was able to take full advantage of the benefits available with their new NAVIS N4 terminal operating system. This also included the hot/hot data center solution which protects Da Chan Bay if an unexpected failure or crash should occur.

The open platform of PRIMEQUEST also allowed Da Chan Bay the opportunity to reduce expenses in post-sales maintenance. While the lower TCO of PRIMEQUEST ensured they were able to control IT costs and optimize daily OPEX. Nowadays, where every business must exploit every possible advantage, a mission critical X86 server combined with an open platform provides a much more economical way to run any core business application. Additionally, through Fujitsu's easy-to-use unified management portal, ServerView, Da Chan Bay can effectively manage data center server resources.

By upgrading both the terminal system and the IT infrastructure, Da Chan Bay has now become a world-class vessel-operation and container-related services provider. With China's rapid growth in transportation, Da Chan Bay will strive to continuously pursue the leading position in their industry through the use of advanced technology and services.

Products and services

- 2 x FUJITSU Server PRIMEQUEST 1800E2
- 16 x FUJITSU Server PRIMERGY RX300 S7

Conclusion

Fujitsu Server PRIMEQUEST is designed to support the demands of any mission critical environment. The physical partition feature allows different operating systems and applications to run on a single server, and its reserve system board equips the server with the capability for self-recovery.

Moreover, the server's mainframe level RAS delivers a higher level of system reliability and stability than most traditional UNIX servers. With the strength of PRIMEQUEST, Da Chan Bay can achieve a much lower TCO.

The NAVIS N4 project is an important project for both Da Chan Bay and Fujitsu. This leading edge system is driving value for Da Chan Bay as it sets a foundation for them to become one of the top players in the industry. For Fujitsu, the successful project has enhanced our footprint in the transportation industry, and has provided a valuable experience that can be referenced for future projects.

"We didn't plan on deploying X86 servers for our NAVIS N4 system database until Fujitsu came to us. However the POC test result was far beyond our expectation, and we were impressed with the service capability of Fujitsu China. Following completion of the project, together we have formed an even stronger relationship."

Barbara Zhang, Manager, IT Department, Shenzhen Da Chan Bay Modern Port Development Co. Ltd.

Contact

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