

Case study

Sinopec Shanghai Petrochemical Company Limited

» Sinopec Shanghai Petrochemical Company Limited adopts Fujitsu PRIMERGY BX900 “Dynamic Cube” blade server system and ServerView Resource Coordinator VE software to build a strong IT infrastructure platform «



The customer

Name: Sinopec Shanghai Petrochemical Company Limited
Industry: Energy industry
Founded in: 1972
Scale: Over 28,500 employees and 72 main production lines, including oil refining, chemical manufacturing, plastics and chemical fibers
Website: <http://www.spc.com.cn/enspc/spc/index.php>



The challenge

In order to provide differentiated product lines in different business areas Shanghai Petrochemical must maintain high production capacity and management efficiency. They attach great importance to overall planning, and IT infrastructure that is based on mature server systems. In addition China’s environmental protection and lasting energy and emission reduction standards placed requirements on Shanghai Petrochemical. These all made it essential a Green IT platform was considered when selecting the server system conditions.

The solution

Drawing upon its achievements and experience realized in the petrochemical industry around the world, Fujitsu recommended use of a PRIMERGY BX900 “Dynamic Cube” Blade Server System and RCVE software to support the office automation system and application program system at SPC. Fujitsu were convinced this solution would improve internal management efficiency, reduce operational costs, match requirements for disaster recovery, and provide Green IT.

The customer

Sinopec Shanghai Petrochemical Company Limited (SPC) is a subsidiary of China Petroleum & Chemical Corporation (SINOPEC), the largest petrochemical manufacturer and supplier of petroleum and petrochemical products, and the second largest oil and gas producer on the Chinese mainland. SINOPEC, ranked 7th on the global Fortune 500 companies (2010), is listed in Shanghai, Hong Kong, New York and London with a market capital of US\$86.9 billion.

SPC, located in the Jinshan District of Shanghai, is in its own right, one of the largest integrated petrochemical refining companies in China. It is also a most important domestic producer of refined oil products, intermediate petrochemicals, synthetic resins, and synthetic fibers. In 2009, the company was ranked 40th amongst the Top 500 Chinese listed companies, as appraised and elected by *Fortune* magazine. SPC has previously been awarded the title of “State Occupational Health and Safety Model Enterprise” for their excellent work practices. In 2010, the company was awarded the title of “Chinese Environmentally Friendly Enterprise” by the All-China Environment Federation.

The challenge

Need for a Strong IT Framework to provide Unified Planning Support

As a large-scale and multi-functional conglomerate, SPC provides diversified products in different business areas and requires all levels of the company to maintain high production capacity and efficiency. As a result they needed an IT infrastructure platform that would guarantee provision of stable management and provide effective support for their range of application programs.

Scalability for future applications and expansions

SPC conforms to SINOPEC’s overall development strategy and industrial distribution practices as well as meeting its own development strategy. As a result the company needed a scalable and dynamic IT platform that would grow in line with SINOPEC. This included implementation and integration of their current office automation systems and integration of their application management platform. In addition SPC needed the flexibility of a scalable solution that would meet their requirements for long-term system integrity with SINOPEC’s overall development strategy.

The benefit

- PRIMERGY BX900 system provides high reliability and high availability
- The high density and unique stacked design enables flexible system expansion, all round investment protection and delivers the Green IT requirements
- ServerView Resource Coordinator VE (RCVE) server management software achieves centralized server monitoring, reduces IT maintenance risks and maximizes the utility of available resources.

Product and service

- Fujitsu PRIMERGY BX900 blade system
- ServerView Resource Coordinator VE (RCVE) server management software

Requirement for a Green IT Platform

With its sustained and rapid development, and rise as a major global economic power, China is paying more and more attention to environmental protection and energy conservation. Their response has been the issuing of stringent requirements to industry. In line with this, and as a company already awarded the title of "Chinese Environmentally Friendly Enterprise", SPC need to pay special attention to acquiring Green IT platforms and making them the standard choice when considering server infrastructure systems.

The customer benefit

After extensive and strict evaluation and test procedures, SPC discovered that the Fujitsu PRIMERGY BX900 "Dynamic Cube" blade server system stood out. This was by virtue of its excellent functions and advantages in highly effective management, its overall efficiency, and Green IT benefits.

Based on its Cool-Safe™ proprietary hardware cooling technology and other Green functions provided and managed by ServerView RCVE, the PRIMERGY BX900 forged the right Green solution when incorporated into SPC's existing IT infrastructure.

As Fujitsu's most updated blade server, the new server also had the desired features of high reliability, high availability and scalability. Furthermore, the ServerView RCVE server management software was able to provide solutions for problems that often arose with the enterprises' IT system management. This now meant SPC could achieve direct centralized server monitoring, automatic server failover and dynamic resource allocation. This had the benefits of reducing IT maintenance risks and achieving maximum use of all the available resources - which further lowered costs.

The system as installed by Fujitsu also provides functions for dynamic real-time power monitoring, planned operation, system use control, and budget maximization. These all facilitate SPC in monitoring and controlling power consumption.



This includes the ability to control real time power consumption automatically in line with actual needs. This has greatly reduced carbon emissions and lowered energy-consumption.

The Conclusion

"Through our preliminary communications we had noticed Fujitsu's excellent solutions and rich experience in the informationization of the petrochemical industry. We chose the PRIMERGY BX900 blade server system and ServerView RCVE software this time because they are characterized by high-density and space saving design, energy savings and a powerful system management capability. All of these met our demands for high performance and high system availability in the application of office automation and management platforms. Now both the performance and the stability of the systems are very satisfactory."

The outstanding specification of the PRIMERGY BX900 Series blade servers and ServerView RCVE software has met SPC's demands for high performance and high availability in the operation of their application programs in all areas of their operation.

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