

# CASE STUDY TAIXING PEOPLE'S HOSPITAL

» THE PACS SYSTEM AT TAIXING PEOPLE'S HOSPITAL SAVES COST AND RELIEVES A LOT OF OUR WORKLOAD«

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## THE CUSTOMER

Taixing People's Hospital is the biggest comprehensive Grade A mid-tier hospital in Taixing city, a tier-3 city in Jiangsu Province with a population of 1.3 million. Its main activities are medical treatment, teaching and research. It also acts as the teaching hospital and clinical practice base for various medical schools including the Nanjing Medical University, Medical School of Jiangsu University, and Jiangsu Staff Medical University.

Located at 1 Changzheng Road, Taixing City, the hospital covers an area of 66,700 sq. meters with 120,000 sq meters of floor space and a total capacity of more than 1,260 beds. At present, the hospital has over 1000 staff, 500,000 outpatients, 28,000 inpatients and handles tens of thousands of large and medium-sized surgeries on a yearly basis.

## THE CHALLENGE

Before the establishment of the PACS system, Taixing People's Hospital was confronted with huge labor and material costs resulting from the vast range of activities associated with film processing, storage and recording. The aforesaid difficulties also created much inconvenience for patients. For example, patients had to wait for long periods before the final imaging results were available. In addition, the films were large and difficult to carry, burdening patient's further through complications in consultations with different doctors. Further, both patients and medical staff were affected by other problems. These included the manual nature of enquiries concerning previous information. The medical professionals could not escape from the non-medical procedures; and as a result medical resources were inadequately and regularly under-utilized.

Taixing People's Hospital saw that implementing a PACS System could solve such problems.

## THE SOLUTION

Fujitsu helped Taixing People's hospital set up the PACS system. The system is underpinned by 2 Fujitsu SPARC Enterprise T5440 servers which also provide the operational reliability. They support the PACS system with multithreading technology that leverages system performance. In addition the green design of Fujitsu's products matched the growing trend in today's IT technology and provided support for the customer's long-term development. Good communication during the design process left the customer impressed by the comprehensive analytical and technical capabilities of Fujitsu's engineers. They not only solved technical IT infrastructure problems, but also help solve other problems by standing in the customer's shoes and using their sound

## THE CUSTOMER

Country: the People's Republic of China  
 Industry: Healthcare  
 Founded: 1934  
 Employees: 1000  
 Website: www.jstxry.com



## THE CHALLENGE

Taixing People's Hospital, confronted with huge labor and material costs, resulting from: film processing, storage and recording, handling, maintenance, location, labor, delivery and enquiry, costs needed a much more cost effective solution.

## THE SOLUTION

The set up of a PACS system based on 2 Fujitsu SPARC Enterprise T5440 servers, for maximum reliability, was undertaken

**THE BENEFITS**

- Material cost reductions
- Management cost reductions
- Work efficiency improvements
- Improved medical service levels
- Accumulation of useful resources for the hospital
- Ability to make full use its own resources as well as others'

knowledge in the technical features of the medical industry, winning the good image of "IT Expert".

**THE BENEFIT**

Taixing People's Hospital is satisfied with its new PACS system for it really solved their problems, and is now delivering the many benefits shown below:

PACS digital storage of images, which archives medical records in digital libraries, is saving a lot of media costs (including paper, film, etc.) and diagnosis/operation time at Taixing People's Hospital.

They are also benefiting from other advantages gained through digital storage, such as distortion free images and smaller footprint, which also adds to the media management cost savings.

Image digitalization makes retrieval possible wherever and whenever Internet/intranet is available. Just by clicking the mouse, films and previous medical records can be quickly and easily retrieved and reviewed, without causing huge time and human resource consumption. This is greatly improving doctor work efficiency. Higher work efficiency means more patients can be treated every day, bringing greater economic benefits to the hospital.

With digitalization, doctors are also relieved of previous work practices which used to be very complicated and spend much more time and effort on diagnosis. This is seen as a sure way to improve the hospital's diagnosis quality.

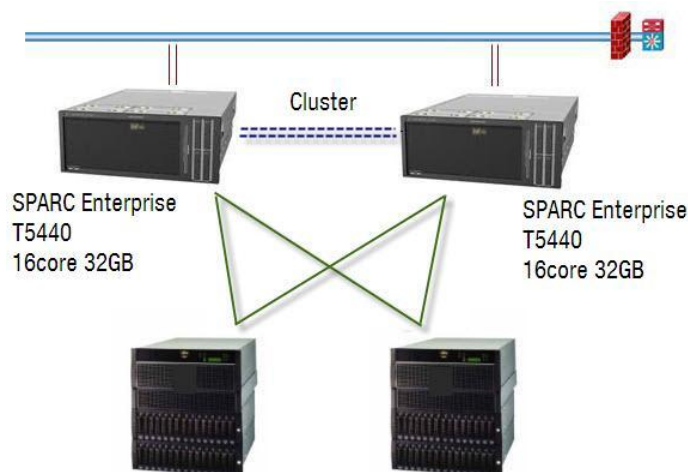
Meanwhile, introduction of various image processing technologies is making previously imperceptible pathological changes more distinct. The easy retrieval of previous patient medical records now enables doctors to make more accurate diagnosis with reference to previous experiences. In addition, digital storage makes remote medical services possible.

Typical medical images and reports are very precious resources, and distortion free digital storage and regular reports under the new professional system are creating a valuable technical archive for the hospital.

Technical exchanges between hospitals now have the potential to be promoted by remote medical services, which will bring mutual complimentary benefits and developments.

**PRODUCTS AND SERVICES**

- Fujitsu SPARC Enterprise T5440 x 2



**CONCLUSION**

As the IT experts, Fujitsu earned the trust of Taixing People's Hospital, making which made Fujitsu the most preferred brand for their new IT infrastructure.

Thanks to its expertise and spirit of professional dedication, Fujitsu is gaining loyal partners and customers in the healthcare industry. With business expansion in China, Fujitsu now has outstanding capability to provide professional consulting services, stable and reliable products, high performance, and complete after-sale service. Now through its growing number of medical customers Fujitsu is also actively keeping pace with IT construction and solutions in that industry.

Fujitsu's success in China is encouraging customers to choose Fujitsu products. Taixing People's Hospital totally accepts Fujitsu's "shaping tomorrow with you" concept, with its commitment to customers. The customer wishes such mutual growth with Fujitsu in China.

**ABOUT FUJITSU**

Fujitsu is a leading provider of ICT-based business solutions for the global marketplace. With approximately 170,000 employees supporting customers in 70 countries, Fujitsu combines a worldwide corps of systems and services experts with highly reliable computing and communications products and advanced microelectronics to deliver added value to customers. Headquartered in Tokyo, Fujitsu Limited (TSE:6702) reported consolidated revenues of 4.6 trillion yen (US\$50 billion) for the fiscal year ended March 31, 2010. For more information, please see: [www.fujitsu.com](http://www.fujitsu.com).

**CONTACT**

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 2010-06-17 WW-EN

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