

Case study

Changsha Healthcare Bureau

» Changsha Healthcare Bureau HIS system
A System that promotes our management and methodology innovation«

Mr. Hou, Director of Information Center, Changsha Healthcare Bureau



The customer

Country: the People's Republic of China
Industry: Healthcare
Founded: 1949
Employees: >2000
Website: <http://wsj.csx.cn/>



The challenge

Based on instructions from the Healthcare Ministry of China, Changsha Healthcare Bureau planned to develop a Regional Health Record System. The HIS system was in the early-stage of preparation for future medical and health records integration across Changsha County.

The solution

The customer adopted 11 Fujitsu PRIMERGY RX600 and 8 Fujitsu PRIMERGY RX300 servers together with 4 Fujitsu ETERNUS DX80 disk arrays. This would constitute the base for its HIS so create a collaborative working environment.

The customer

The Healthcare Bureau of Changsha County, is a public benefit oriented institution in Hunan Province. It manages three second-level Changsha County organizations (the Center for Disease Prevention and Control, the Health Inspection Office, and the Maternity and Child Health Hospital). In addition it also controls four medical and health care institutions, 19 township health hospitals and three community health service centers.

The challenge

Changsha Healthcare Bureau wished, through informatization of its systems, to construct a computer network and management information system that could meet the development requirements of modernized hospitals. It also wished to include the early-stage preparation for medical and health records integration across Changsha County.

The Healthcare Bureau hoped to achieve inter-organizational cooperation and so improve the service quality of medical institutions under its control. This would be based on an IT system capable of increasing the satisfaction and loyalty of its clients. To save on long term investment cost and management expenses, the Health Bureau also required an IT system with high scalability. This would not only meet current business requirements of the institutions under its control, but also cope with their future business growth. At the same time, the IT system should operate stably and ensure secure data protection.

The solution

In the solution, Fujitsu put together a robust infrastructure consisting of Fujitsu PRIMERGY RX600 S6 servers as the HIS platform, Fujitsu PRIMERGY RX300 S6 servers as application servers, and DX80 disk arrays systems to manage all the servers.

Based on this stable and reliable platform and Fujitsu's rich experience in solution design, the resulting infrastructure fully meet the customer's expectations. The reliability of the servers and storage devices also ensured the medical institutions under the jurisdiction of Changsha County achieved easy to manage internal IT coordination at the hospitals.

The benefit

- Increased patient satisfaction and loyalty and the lending of strong support to each hospitals' business development;
- Savings in management and maintenance costs of the internal resources at each hospital;
- Easy coordination and cooperation raised the efficiency and reduced operating costs;
- Provided support to making the right decisions by senior hospital management;
- Promoted management and methodology innovation to achieve great social and economic benefits for the hospitals.

The benefit

Following application of the HIS system, patient waiting times at every step of their treatments was reduced greatly. Furthermore, the possibility of errors was significantly reduced. This has improved patient satisfaction and created a more comfortable treatment environment for patients. The efficient operation of the hospitals now strongly supports the Bureau's business development.

The system has also helped realize integrated management of personnel, funds, materials and information. Data centralization has not only streamlined management, but also saved on management and maintenance expenses.

Because the system has linked all its departments together, and has realized IT- and network-based management of routine business, clinical treatment, resources management, and information sharing, it is meeting the requirements of each department and improving their Synergy. In addition timely information transmission, has also increased efficiency as allocation of resources is maximized. Significant benefits have been gained in aspects of funds recovery, including increased revenue and expense savings. This has in turn accelerated the withdrawal and turnover of funds, reduced waste and overstock of materials. It has further improved cooperation, improved the efficiency of routine operations and saved on work costs.

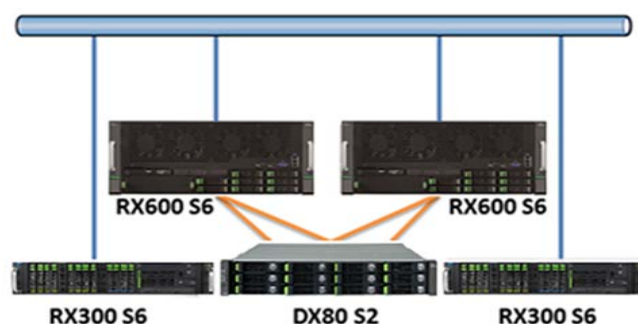
IT-based management has increased the transparency and accuracy of data. Hospital management teams can quickly obtain all necessary the data and information on hospital operation and make better decisions at a faster rate based on that information.

The IT-based management has helped all the hospitals to improve their management capability and profitability, and made them realize the necessity and effectiveness of management and method innovation. The medical institutions under the control of the Health Bureau are continuing to develop regional integration of medical and health care information, and now strive to achieve better social and economic benefits.

Products and services

- Fujitsu ETERNUS DX80 *4
- Fujitsu PRIMERGY RX600 *11
- Fujitsu PRIMERGY RX300 *8

System design



Conclusion

The customer has highly praised Fujitsu's professional spirit, believing that Fujitsu not only offers products and solutions, but also system platforms that fully support their business development. The integration of regional medical and health information is the goal of the Health Bureau and the successful application of an IT-based management system in the hospitals under their control has brought them closer to this goal.

In China, Fujitsu has gained many customers in the medical industry and has accumulated rich experience in the industry. This time, Fujitsu has once again setup a successful demonstration of its approach to the industry in Central China. This will have further positive significance to Fujitsu's business development in the China medical industry.

About Fujitsu

Fujitsu is a leading provider of ICT-based business solutions for the global marketplace. With approximately 170,000 employees supporting customers in 100 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 4.5 trillion yen (US\$55 billion) for the fiscal year ended March 31, 2011. For more information, please see: www.fujitsu.com.

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