



Chyun Huei Health Tech Inc.

Consolidates Taiwan Department of Health's IT system with Micro Focus ACUCOBOL-GT

Challenge

Taiwan's Department of Health deployed various applications on different platforms across their hospitals. Sharing patient information was difficult and a lack of consolidated IT resources prevented the Taiwan Department of Health from competing effectively in the healthcare market.

Solution

- Micro Focus ACUCOBOL-GT

Chyun Huei Health Tech Inc.

A partner of Micro Focus, formerly known as Tatung Technologies, Chyun Huei Health Tech Inc. (CHHTI) was founded in July 2008. The company is an industry leader in health care software research and development, providing total solutions for medical treatment and related consultant services.

Lack of centralized systems hampered competition

CHHTI was approached by the Taiwan Department of Health (DOH) to develop a centralized, shared health care system for the 28 hospitals it ran. DOH was on a drive to better support its hospitals located on Taiwan's remote islands, as well as offer better quality of care across all its locations.

Previously each hospital ran its own applications on different platforms without sharing them with the other hospitals. While DOH has chalked up impressive IT milestones over the years, the inability to share resources was becoming a greater challenge. The number of patients was growing as fast as the services DOH was offering. In addition, the healthcare market was becoming increasingly competitive and DOH recognized that an efficiently run centralized IT system would help its hospitals improve efficiencies and gain an edge over the private healthcare market.

Having a centralized system meant that the hospitals would be able to share information, healthcare resources and best practices, as well as minimize cost and streamline the management of the systems. This also meant that they could centralize their IT operations and reduce the number of man-hours needed by each hospital to manage the systems.

Highlights

- Patient waiting times reduced
- Better patient diagnosis and information sharing
- Total cost savings of \$25million in inventory, application development and maintenance

"Micro Focus offered a solution that was extremely portable, supporting single source, compile-once deployment on hundreds of platforms. This enabled us to meet the consolidation requirements of Taiwan's Department of Health."

Peggy Huang,
Deputy General Manager of Product Service Division

The development team from CHHTI was set the task of consolidating the various applications running on different platforms and equipment from different vendors. As well as enabling shared resources, the new system also had to be robust enough to handle 1000 users simultaneously without compromising the quality of service.

Advanced COBOL development system provides the solution

CHHTI chose the Micro Focus ACUCOBOL-GT to develop an application that would consolidate the DOH's IT infrastructure. ACUCOBOL-GT is an advanced COBOL development system for extending and modernizing business-critical COBOL applications. It includes extensive facilities for interoperating with C, Java, .NET, and XML and supports connectivity to leading relational databases and ISAM data sources through both open and patented technologies. It is available for several distributed CICS environments.

ACUCOBOL-GT also supports thin client and multi-tier client and server architectures, as well as COBOL Web services and platform-independent graphical user interfaces. Flexible and scalable, ACUCOBOL-GT works anywhere in the enterprise, from back office to point-of-sale and from handhelds to mainframes.

Micro Focus ACUCOBOL-GT enabled CHHTI to develop an application that consolidated DOH's IT resources, managing the planning, development and maintenance of a shared hospital IT. Today, Micro Focus' ACUCOBOL is central to the core application of DOH's Common Hospital Information System which enables doctors, nurses and the staff to carry out routine administrative work and to offer information for hospital management.

Information sharing delivers better diagnosis and faster decision making

The Taiwan DOH now enjoys a much more efficient IT system from CHHTI. The new computerized system enables data sharing across business units, which helps organizations to share a patient's medical history and other relevant health information. This results in increased accuracy of medical diagnosis, and saves time in gathering information and decision making for doctors and other medical professionals.

Total cost savings in the region of \$25 million

The integration of the medical image transmission system has not only saved each hospital between \$61,000 and \$245,000, but has also reduced waiting time for patients by an average of 19 minutes. In addition, the integration of the medicine and material ordering system has also reduced ordering and inventory cost, saving DOH as much as \$6.1 million.

More importantly, the centralized approach has saved DOH \$17.2 million in application development costs and another \$1.7 million in maintenance fees.

Moving platforms and applications forward

CHHTI continues to seek ways to improve its service by researching user requirements and trends in technology. The company looks to future-proof the Taiwan DOH's systems with a move to new platforms as they evolve. The continued development of ACUCOBOL by Micro Focus will help achieve this goal.

About Micro Focus

Micro Focus, a member of the FTSE 250, provides innovative software that allows companies to dramatically improve the business value of their enterprise applications. Micro Focus Enterprise Application Modernization, Testing and Management software enables customers' business applications to respond rapidly to market changes and embrace modern architectures with reduced cost and risk.

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