

Case Study



iBOLT for SAP ERP R/3 Helps Sheba Medical Center Increase System Functionality and Provide a More Agile Response to Changing Business Processes

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“We have chosen to further expand our original project using iBOLT thanks to its demonstrated ability to support multiple operating environments, concentrate all of the interfaces under one umbrella and one central control, and develop integration interfaces and business processes simply, easily and conveniently.”

Shimi Ernest, CIO for Sheba Medical Center

The Customer

Named after its first founder, Dr. Chaim Sheba, Sheba Medical Center (SMC) occupies an area of some 150 acres and is the largest medical facility in the Middle East. The Center employs some 6,000 professionals, 850 of whom are medical doctors. It performs approximately 4 million medical tests and procedures yearly for over one million patients. Its stated goal is to revolutionize world health care standards so as to minimize and even preclude medical mistakes.

The Challenge

Over the years, SMC has acquired a large number and variety of information systems to support its operational and business processes. Since no central integration platform was ever installed, the various units have to manage their interfaces individually. This results in considerable redundancy and inefficiency.

When a requirement was defined to link the operating and central information systems with the peripheral systems (e.g. laboratories, imaging, Ofek), SMC decided to expand its original integration and interfacing project (launched in 2005) and base it on the iBOLT integration platform and specifically, its dedicated special edition for users of the SAP ERP R/3 system.

SMC now sought to further pursue the automation of proprietary formats and standards/protocols and also to create and deploy new and advanced business processes, services and applications all based on their existing IT systems. SMC also sought to improve in-process control and monitoring, including process performance testing and troubleshooting.

The Magic Software Solution

According to Shimi Ernest, CIO for Sheba Medical Center at Tel-Hashomer: “We have chosen to further expand our project using iBOLT thanks to its demonstrated ability to support multiple operating environments, concentrate all of the interfaces under one umbrella and one central control, and develop integration interfaces and business processes simply, easily and conveniently”.

SMC defined a number of central needs. Firstly, one central platform was required for efficient operation of the entire system. This platform was also required to provide failure (or success) indications, and to allow SMC computer systems personnel its independent, easy and simple development and operation.

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The current phase of the SMC integration project, where dozens of additional interfaces were developed with iBOLT, was completed in a record time of 5 months. During this period a joint team comprising an SMC computer systems representative (Mr. Etay Mangad) and Magic Software experts characterized, developed and tested all the systems requiring interfacing.

Finally, the use of iBOLT Monitor enabled SMC to provide an effective response to the challenge of process monitoring. The iBOLT Monitor is a tool which enables detailed graphic display of the interface and full monitoring and testing of each individual process so as to correctly identify errors and prevent failures.

The Benefits

The special edition of iBOLT for SAP ERP R/3 has helped to increase system functionality, provide a more agile response to changing business processes, and makes it now far easier for SMC to make connection to additional systems in the future.

The development of all integration processes now takes place via a graphical user interface, featuring improved performance and maximized control. **These features have made it possible for SMC to reduce process times, avoid process shutdowns and improve their entire system interfacing.**

iBOLT helps SMC's computer systems personnel to pursue business automation requirements quickly and efficiently and set up a service platform (SOA) to better leverage their organizational business processes.

iBOLT has also enabled SMC systems to operate in an open environment of applications. This allows SMC to quickly and simply connect to new information systems as they become available.

SAP Certified Integration



SAP Innovation 2005 Award

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