



"Landesversicherungsanstalt Westfalen (LVA) has deployed SeeBeyond as its enterprise integration platform, enabling a common integrated hospital information system across the organisation's rehabilitation clinics. Utilising the SeeBeyond platform, LVA was able to connect a heterogeneous environment of disparate applications across individual departments of both the clinics and central administration. This solution has allowed LVA to streamline work processes, optimise resource management and improve process management quality, data archiving and medical care."

Jochen Bröring, Head of Hospital Data Processing, LVA Westfalen

Business Challenges

There are two primary trends driving the I/T decision for healthcare providers – telematics (integration of hospital processes), and the exchange of data between the service carriers and cost carriers. The result is that organisations such as LVA are forced to make their processes uniform and their structures more flexible – across all systems, applications and their enterprise.

Before the project started in mid 2000, the data processing set-up in the LVA's five rehab clinics consisted of a large number of discrete applications. For many years these "department systems" led a relatively isolated existence. They supported the work in the respective departments but data exchange between these island solutions via standardised interfaces was practically impossible. The consequence was duplicated and mutually inconsistent data archiving.

What LVA realised they required was the deployment of a common integration platform to enable the seamless flow of information to and from the organisation's hospital information and communication system.

Solution Overview

"We wanted to provide a common platform to support our various digital information sources," said Jochen Bröring, head of Hospital Data Processing for LVA Westfalen. *"We selected SeeBeyond to provide this communications platform due to its flexibility and modularity, in addition to its ability to leverage our investment in existing systems. Furthermore, SeeBeyond has proved to be a very effective partner with a strong commitment to the 'Health United' initiative."*

The LVA Westfalen initiative consists of three pillars, which serve as the foundation for KIKS. The first pillar represents the electronic patient files. The second component encompasses the order entry process that electronically handles all work processes. The third pillar of the project, the time and resource management segment, uses an electronic process control system to ensure smooth operation. The comprehensive solution has led to considerable reductions in processing times and has eliminated unnecessary transport and bed occupancy times.



Company Details

Landesversicherungsanstalt (LVA) Westfalen is a National Social Insurance office in Münster, Germany. It has over 5 million people insured.

Location

- Germany

Industry

- Healthcare

Business Challenges

- Integration of all clinical processes
- Exchange of data between service and cost carriers
- Common Integration for many department systems
- Remove duplicate and inconsistent data

Solution Overview

- Common Platform for digital information sources, including multimedia data from medical and therapeutic equipment
- Deployment of KIKS: electronic patient files, order-entry process, time and resource



A significant feature of the hospital information and communication system ("KIKS") is that LVA has created a new, independent system by combining administrative and medical/clinical information systems. Patient-related information stemming from a large number of multimedia sources, such as medical and therapeutic equipment, is now available in a totally digital form for the first time. The KIKS system comprises not only all the elements of the existing systems, for the first time it now also supplies patient-related and intersystem information to the medical workstations.

Business Benefits

The SeeBeyond solution enabled LVA Westfalen to design a simple, uniform user interface. All functions can now be accessed from the graphical work interface of the electronic patient file. Specific programming knowledge of individual sub systems is no longer needed, which in turn, yields major savings in training costs.

"More specifically, the savings resulting from the SeeBeyond deployment can clearly be seen in the discharge report process which, in the past, took between six to ten weeks. Now, with all of the data available electronically, the report can be issued within just three to seven days of a patient's discharge. This time savings, representing an approximate ten-fold improvement, benefits not only the rehabilitation clinic which can now issue its invoices earlier, but also the insurance companies and employers." **Dieter Stashik**, Head of Organisation, Managements at LVA Westfalen

The KIKS pilot project, which has been up and running in two clinics for more than one year, has received positive reactions from healthcare organisations across Germany. As a result of its modular structure and standardised interfaces, this solution now serves not only as a reference for all pension insurance companies, but also for many rehabilitation facilities, who have indicated strong interest in implementing a similar solution. The solution is also applicable to conventional hospitals.

Plans For The Future

LVA Westfalen intends to further develop KIKS to manage comprehensive online bed allocation. In the future it should be as simple to reserve a bed in a rehab clinic as it is to book a holiday – advancing LVA from simple patient administration to patient management.

"eGate helped us to implement a "best-of-breed" solution. In the future it should be as simple to reserve a bed in a rehab clinic as it is to book a holiday – advancing us from simple patient administration to patient management." **Jochen Bröring**, Head of Hospital Data Processing, LVA Westfalen



Business Benefits

- Ten-fold improvement in time savings which benefits the clinic, insurance companies and employers
- Simple, single interface for all data
- Reduced processing of discharge report from 10 weeks to three days
- Improvement of process management quality, data archiving and medical care
- Major saving in training costs replacing programming skills for each system with SeeBeyond skills
- Reduction of bed occupancy times

Technology Profile

- SeeBeyond Components
- eGate™ Integrator

Integrations

- Information and Communications Systems
- Service Carriers
- Cost Carriers