

Specialized Hospital for Surgery “Filip II” – DMS and Hospital Software

Client: Specialized Hospital for Surgery “Filip II”
“Filip II” is a specialized hospital for surgery, first of this kind in Macedonia.

Country: Republic of Macedonia

Industry: Healthcare

Business challenge: The Clinic for surgery “Filip II” has selected Seavus to develop and implement two projects:

- Document Management System, Intranet Portal and Business Process Management System and improvement of the IT infrastructure in the clinic,
- Software for the Diagnostic centre and the Stationary hospital.

The client’s intentions were to automate the internal working processes in the clinic with a modern software solution.

Benefits:

Security in data/documents flow.

Better control of the employees’ work.

Increased collaboration between employees from specific departments and between different departments.

Automated processes of managing data.

Generating different reports

One centralized database and quick access and search of data about patients, surgeries, hospital stays, payments.

Solution: DMS and Hospital Software

Seavus developed two solutions. The first project includes:

- Increased security of the complete IT infrastructure
- Windows event logs, W3C logs, Syslog events, server logs
- Reporting of logs data
- E-mail archiving
- E-mail logs – monitoring of the complete communication via e-mail for all users
- Document Management System (DMS), Intranet Portal and Business Process Management System

The second project consists of two applications:

- One for the Diagnostic Centre (implemented) and
- One for the Stationary Hospital (in implementation phase)

Both applications will be communicating with each other and will be using one centralized database.

The solution is web based only for the appointment section for external users, while the rest is desktop based. The system supports web access from mobile devices.

Technologies utilized: The system was built on following technologies: .Net (including WCF, WPF, WinForms), SQL Server 2005. The integration of the instruments and machines was built on HL7 protocol.

