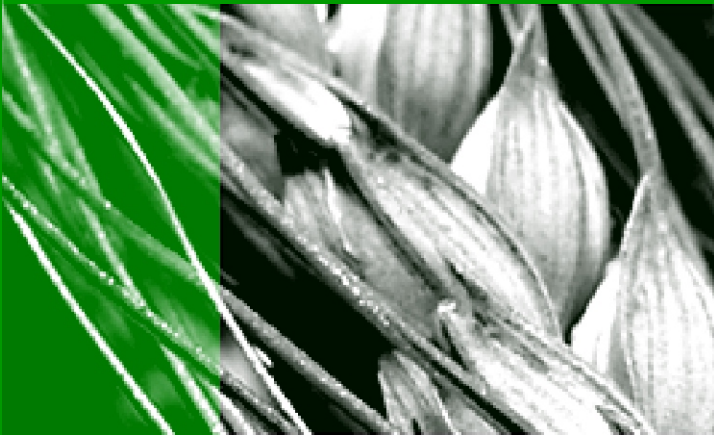




providing  
business value

## Case Study

### Healthcare Software Vendor



## About Edvantis Software, Inc.

Edvantis Software, Inc. is a leading provider of software engineering services to high-tech businesses worldwide. On international market since 2000, today Edvantis is a premier Eastern European-based supplier of software development and maintenance. We deliver a range of tailored outsourcing services - business software development, software maintenance and porting, software verification and testing – all united by their focus on maximizing the business value for our clients. Edvantis brings unique advantages which are most fully utilized by our clients in the course of long-term business relationships.

## Business Challenge

A Healthcare Software Vendor (hereafter referred to as *The Client*) looked for the ways to unify software development/maintenance processes inside its company and optimize implementation of healthcare software projects and management of human and material resources. *The Client's* software analysts designed the concept of a proprietary solution (hereafter referred to as *The Solution*) – a software platform and Rapid Application Development tool to be a base for easily customizable management applications.

*The Client* worked on *The Solution* for 3 years and delivered 2 versions of the software. Following this effort, *The Client* referred to Edvantis' engineers to help meet the following goals:

- Maintain existing 2.x releases of *The Solution*. Maintenance included development of automated test set, development of new modules of the system, and support of existing code.

- Perform a validation project for *The Solution*. The goal was to develop a project and resource management system utilizing *The Solution's* software platform and Rapid Application Development tool.

## The Client

*The Client* who chose to keep its engagement of offshore software development confidential is one of the leading laboratory information systems' vendors. In addition to laboratory software, *The Client's* products span pharmacy, radiology, transfusion, and donor management.

# Value Added by Edvantis

First, Edvantis' engineers worked to establish the software development process for *The Solution 2.x* maintenance. Several processes were defined: tracking requirements, solution architecture and design change management, and regression testing of *The Solution*. This effort enabled fast and reliable transfer of *The Solution's* maintenance to Ukraine, resulting in significant improvement of quality.

In 6 months, a successful maintenance procedure was established and the offshore group was split into two sub-teams to tackle further tasks. The first sub-team continued maintaining *The Solution* and the second sub-team commenced development of the Project and Resource Management System using *The Solution*. The first version of the product was delivered within the following 6 months. Development of the Project and Resource Management application enabled fast feedback from the end users of *The Solution* to the maintenance team which resulted in enhanced quality. The second version of the Project and Resource Management application which was ready within next half a year was released as the production version.

*The Client* started using it for management of its healthcare software projects.

Simultaneously, Edvantis' engineers participated in several smaller projects utilizing *The Solution*. Greatly improved quality enabled *The Client* to formalize all their Standard Operating Procedures. By creating views of information for users to interact with and integrating processes with their existing systems, *The Client* can now ensure that its business is conducted according to the defined procedures. This is quite important for *The Client* whose business relies on meeting Federal and HIPAA regulations.

## Technologies Deployed

*The Solution's* Platform utilizes:

- Apache Object Relational Bridge, EJB, Struts and JSF server-side Java technologies
- Oracle or MS SQL RDBMS
- XML Web Services for integration with Rapid Application Development Tool and 3rd party tools

*The Solution's* Rapid Application Development Tool was developed using .Net Win Forms and number of 3rd party visual components.

Thousands of JUnit and NUnit automated Test Cases were designed and developed to extend the regression test set of *The Solution*.

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