

Customer

Multinational pharmaceutical company with operations in over 110 countries worldwide: Europe, USA, Canada and Australia. They provide various medical solutions in scope of Medication Delivery, BioScience, Transfusion Therapies, Renal and Oncology during more than 70 years. Their clients are the hospitals and other medical companies around the world who buy the company's production every day.

Challenge

The Customer was interested to have a centralized solution to cover most of business activities including cancer medicine production, inventory control, client information and financial transactions (direct sales). The background for this decision was that to cover all business needs the Customer was forced to utilize several separated and outdated applications. The sales procedure was carried out through out of date mechanisms: faxes and telephone calls. Therefore, client requested to reengineer old applications, create new modules for invoicing/selling and then join them together.

Solution

ScienceSoft forwarded group of business analysts and system architects to one of the Customer's offices to investigate business processes, Customer's needs and to create then a set of technical documentation including detailed functional specification and project plan. After that the team of developers and testers created new modules and re-engineered old codes/applications. The modern platform MS .NET was chosen for implementation of new integrated system. Client-server architecture was applied to enable hospitals and medical companies to request medicines from the closest to their location factory using thin client application. The interaction between server application and thin clients was driven on .NET web-services.

Results

The result of the joint work of the Customer and ScienceSoft was successful delivery, implementation and utilization of the developed application. The integrated solution includes more than 3 millions lines of code. At the moment the companies continue their collaboration within Maintenance & Support agreement.



Technologies and Tools

Technology domains: Software Architecture, Windows Forms, Windows Services, Web Applications, Web Services

Technologies & tools: .NET Framework 2.0, ADO.NET, ASP.NET, AJAX

Language: VB .NET

Framework: Infragistics 2.0, Citrix server API, Crystal Reports

Development processes: ISO9001, GAMP4