



Innovations in time. Innovations for you.

INFOSTROY

Information Systems Technologies Research Outsourcing for You

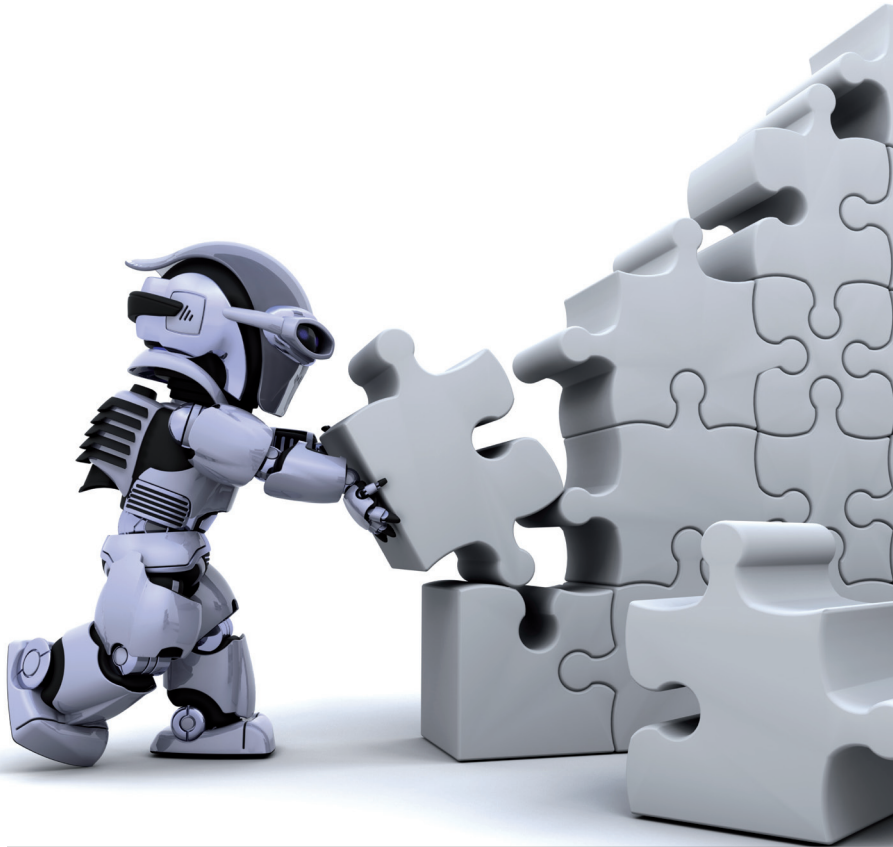
Manufacturing

Areas of Expertise: Communications, Multimedia & Data Transfer, Manufacture, Business & E-Commerce Embedded Systems

Any automation or information system implementation changes your business process, and the main aim of any such system is to save time, increase the productivity of each employee and, as a result, increase your business profit.

In our company, we have in-depth experience in the development of many different types of systems. In our architecture we consider such aspects as reliability, scalability, usability, security, and decreasing processing time for each product or piece of information. Our proven approach allows us to develop usable automation and e-commerce systems that generate profit for our clients.

We are capable of developing systems to automate your business in wide areas – starting from CRM or ERP systems and up to special software solutions required for your production environment. Our experience allows us to provide successful development of very difficult systems necessary for automation of your manufacturing and business processes. Below are the most interesting projects developed in our company for the needs of our clients.



**Increase Your
Business Productivity**

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Projects examples:

CRM, SCM, HR and ERP Systems

We have a deep experience in the development of HRM, SCM, CRM, ERP, Processes Management and other systems in this area that allow automating various business processes. The right architecture and design allows a company to increase their productivity up to 20% on average.

Warehouse and orders management software

This software has been designed with high functionality for working on large inventories typically found within a big trading organization. The system includes software developed for the support of remote PDA devices for preparing product orders directly in the warehouse and sending them to the central database for processing. Access to system is available both through intranet network and internet.

Configurator MSD-200

The task of the project was to develop a configurator to work with MSD-200 device of OWEN enterprise manufactory under control of Windows XP and Windows 7 OS. The device is designed for the use in various automated control systems as part of them and for control on production plants. MSD-200 device is for measuring current signals in four measuring channels (analog input channels), to collect data via communication interface RS-485 with further data recording on SD memory card. The program is developed on C++ in the development environment MS Visual Studio 2008 with the use of MFC and ATL libraries.

Application for Programmable Logical Controllers testing

In this project we have developed a set of programs that allow simplifying the work with PLC on the stage of its PLC configuration and fine tuning. The developed system is used on plant to automate testing of ready-to-use PLCs.

Application for light management based on Dali and EnOcean protocols

This application is developed on Structured Text (ST) languages of IEC 61131-3 standard and it works in CoDeSys environment that is installed on PLC. This project is a solution to build lighting systems

in huge buildings with the purpose to organize the most effective lighting in building and the ability to control it from one control station. The display interface works in the CoDeSys environment and allows displaying system interface on Touch Pad Screen.

Device drivers development

In most our projects connected with the development of automation and device control systems we develop special drivers to work with these devices. To realize projects in other areas we also use our experience in the development of drivers. Our specialists develop drivers for operating systems of Windows and Linux families, including monitors, printers, data transmission devices, PLC.

Interaction with peripheral devices

Whilst developing our systems, we often deal with the integration of different devices, such as Barcode reader, Card reader, Receipt printer, Digital cameras, Fingerprints and RFID scanners. Our knowledge base in the field of integration of various devices allows us developing the required solutions where it is necessary to use portable computers to connect to the central database.

Technologies

IDE	NetBeans, MS Visual Studio 2005/2008, CodeSys
Programming Languages	C#, C, C++, ASP.NET, XML, Ix86 Assembler, HTML
Databases	MS SQL Server®, MySQL®, PostGres®
Protocols	TCP/IP, UDP, SIP, RTP, RTCP, HTTP
Libraries	WinSockets, Hibernate, Windows DDKs, MFC/ATL/STL, Telerik, ComponentOne, DevExpress
Servers	IIS
Design	UML, Modelio
Operating Systems	Windows OS family, Linux OS family, Embedded Linux