



ABTO Software .NET Development Overview

ABTO World Class Team of Dedicated .NET Professionals

ABTO Software is a highly reliable recognized IT outsourcing partner striving for long-term mutually beneficial cooperation. We possess years of hands-on extensive experience in various .NET software development domains.

We offer services of a whole department of highly experienced .NET specialists and efficiently set up workflow processes.



- ✓ 10+ years of .NET development in-depth experience
- ✓ Excellent command of .NET technologies and tools
- ✓ World-class education level
- ✓ Creative dedicated & flexible developers
- ✓ Microsoft Certification/Certified Trainers
- ✓ We follow SCRUM & other Agile methodologies

Solutions Accelerating Your Business

ABTO Software offers high-end .NET application development in various .NET spheres of any scale and complexity, including:



- ✓ .NET Mobile Application Development
- ✓ .NET Web Application Development & Web Integration
- ✓ Custom ASP.NET Web Development
- ✓ .NET Desktop Application Development
- ✓ Application integration with legacy systems
- ✓ Application migration to .NET

Our Competencies & Skills

Our developers have excellent command of technologies and tools. They are vital to design, develop and maintain robust enterprise-class .NET applications, including .NET (1.0-4.0), WPF, WCF, ASP.NET, MVC, Windows Forms and more.

.NET Framework Technologies

- ✓ Windows Presentation Foundation (WPF)
- ✓ Windows Communication Foundation (WCF)
- ✓ Windows Workflow Foundation (WF)
- ✓ WinForms (Windows Forms)
- ✓ ADO, ADO.NET
- ✓ ActiveX Data Objects
- ✓ .NET Compact Framework
- ✓ .NET Micro Framework
- ✓ ASP.NET MVC
- ✓ Entity Framework
- ✓ Silverlight
- ✓ Windows Identity Foundation
- ✓ Windows Server AppFabric

ASP.NET CMS

- ✓ DotNetNuke
- ✓ N2 CMS
- ✓ mojoPortal
- ✓ Umbraco
- ✓ Kooboo
- ✓ My WebPages Starter Kit
- ✓ Cuyahoga
- ✓ Kentico
- ✓ Sitecore
- ✓ Orchard
- ✓ EPIServer

Application Conversion

- ✓ VB 6 to VB.NET
- ✓ ASP to ASP.NET
- ✓ VB to C#
- ✓ Java to .NET
- ✓ Delphi to .NET
- ✓ C++ to C#

Industries we develop software for

We provide high-end .NET software development services to various vertical markets such as:

- ✓ Agriculture
- ✓ Banking & Finance
- ✓ Construction
- ✓ Distribution & Retail
- ✓ Government
- ✓ Healthcare
- ✓ Marine & Aircraft
- ✓ Military & Police



Sophisticated tasks are our specialty

ABTO Software serves a comprehensive portfolio of different in scale and complexity successfully accomplished .net projects, maximizing our customers' business performance. Please, see the list of our featured projects below.

Immoreal.it - a Website for a European Real Estate Company



Immoreal.IT is a distributed system developed by ABTO especially for a real estate partner network in Austria. ABTO Software specialists have developed an extremely convenient, user-friendly and visually attractive website.

Immoreal.IT provides the following possibilities:

- automatic real estate database population;
- data transformation and importing as well as replication;
- partners' sites search for real estates.

Technologies used: .NET 3.0, AJAX, C++, LINQ, MSSQL Server, XML, XSLT

Drill Guide – Software for Horizontal Drilling Process



Our customer required a highly precise navigation system not depending on accessibility of the surface exactly above the drill-head. The project's objective was to develop a software application allowing to plan a drilling trajectory for laying pipes under the ground, namely for Horizontal Drilling (HD) process.

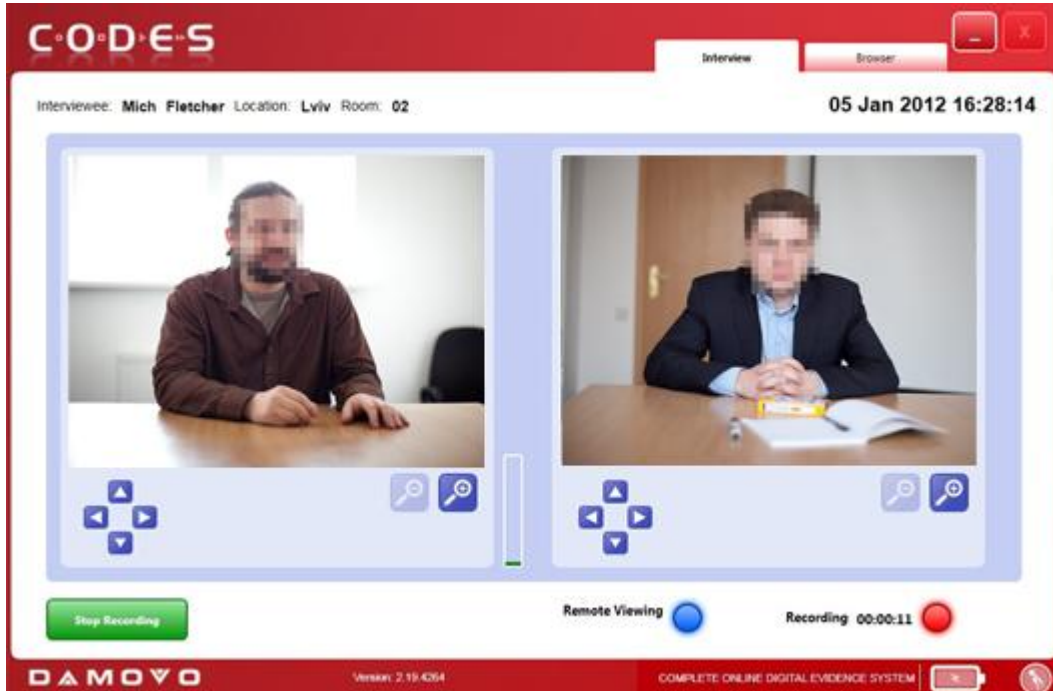
ABTO Software developed a Smart Guide application which embraces the whole process of drilling starting from precise mathematical drilling trajectory planning to immediate device controlling and further saving of project results to the web server. It is a highly precise, advanced navigation and guidance system enabling drilling contractor to choose the most accurate position to bore a hole. The application successfully combines high reliability with rapid task accomplishment.

Tool's Advantages:

- optimal trajectory planning;
- automatic guidance;
- immediate device control;
- project amendment possibility;
- several trajectories comparison;
- history of changes is saved;
- AutoCAD file import possibility;
- possibility to amend the project
- few trajectories comparison option
- history changes view option
- possibility to import AutoCAD file

Technologies used: .NET, C, C++, Matlab, MFC, WinForms, ASP.NET Web Services, ADO.NET, WinAPI, HASP, XML, Mathematical analyses, various algorithms

Codes Police Interview



Codes Police Interview is a program designed by ABTO specifically for video and audio recording of police questioning.

The program has an integrated possibility to burn resulting video/audio files to CD/DVD and to upload them to the server using Web DAV. Audio can be encoded in WMV (with help of Expression Encoder), flac, mp3 (self-developed sound recording engine).

This application supports an added timestamp to the video by means of ABTO vcam SDK. IP camera is also supported and a variety of customizable options like joystick are available.

Technologies used: .NET, WPF, C++, ExpressionEncoder, FLAC codec, MP3 codec

Agile Project Management System



Agile development methodology provides numerous opportunities to assess the direction of a project throughout the development lifecycle. The work process is divided into cadences like sprints, and at the end of which of them the results are reported.

ABTO Software developed an Agile Project Management (APM) system – a project management tool built on the innovative lightweight Scrum process. It is focused on the daily activities necessary to achieve the established goals.

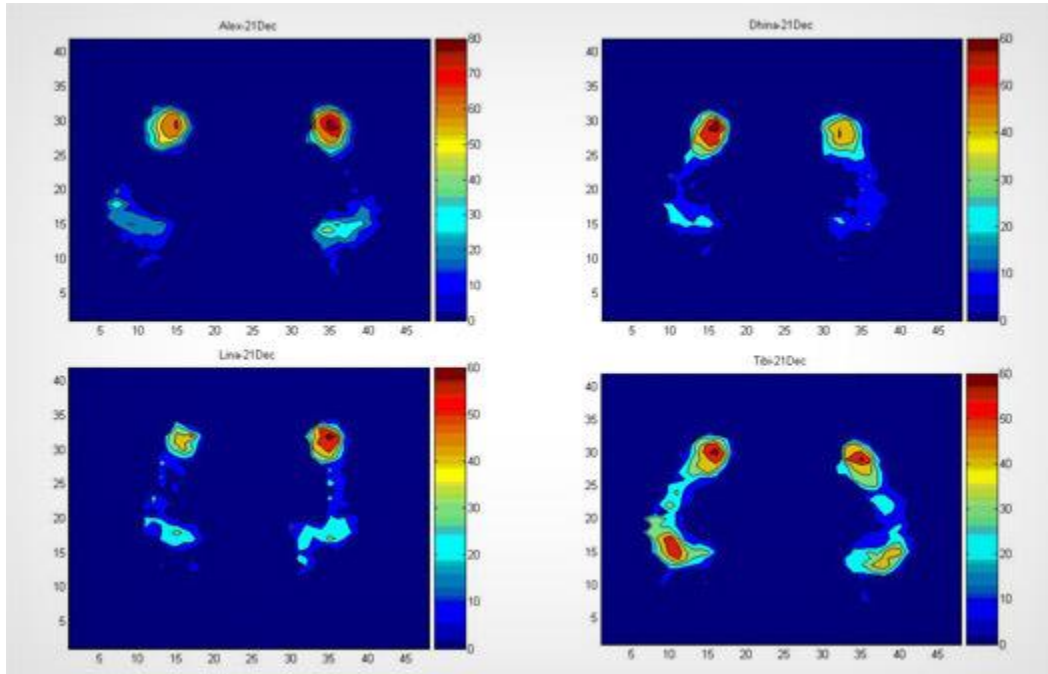
The system's main features:

- quick and easy tasks creating, editing, and analysis;
- support of timeline, burndown charts, and sprints;
- well developed roles and permissions
- configurable notification levels
- using tags;
- bugtracker integration.
- powerful back end with financial information, workload management and project planning
- enhanced reporting system

Our APM system solution can be run on your server that ensures the confidentiality of your data. The application is constantly receiving improvements, enhancements, and immediate support as it's the core system of the corporate-level daily activities.

Technologies used: .NET, ASP.NET, MVC

User Identification Based on Foot Pressure Profile



ABTO Software's team has developed a unique application for our Dutch customer. Remarkably, it allows identifying a person only on the basis of his/her foot pressure profile. The data of the person to be identified has to be aggregated in a calibration stage beforehand.

The software we developed consists of two major parts:

- data acquisition part;
- application for data analysis.

Within the data acquisition phase the interaction with piezoelectric pressure sensors positioned in tiles is conducted. When a human steps on a tile the data signals are generated by the sensors, collected by a microcontroller and passed to a UNIX application for storage.

The sophisticated software developed by ABTO is able to obtain the collected data in real time and make a prediction on the identity of the person on the tile.

Technologies used:

Front end, analysis software: .NET, WinForms.

Data acquisition software: microcontrollers, Assembler, C, Unix