ABTO Software
ASP.NET Web Development Solutions Overview

ABTO Top-Notch ASP .NET Web Development Solutions

We at ABTO Software create top-quality ASP.NET solutions with comprehensive ASP.NET and .NET framework functions utilization. We employ a great .NET certified team consisting of architects, developers and QA engineers – professionals in ASP.NET web development. ABTO Software delivers excellent web development services and is able to accomplish projects of any scale and complexity.

ASP.NET Solutions We Provide:

- ✓ **Custom asp.net web applications development**
- ✓ **Web portals development**
- ✓ **CRM System development**
- ✓ **Content Management System development**
- ✓ **e-Commerce development**
- ✓ **Migration of web-based applications to ASP.NET**
- ✓ **Mobile Connectivity**
- ✓ **Database applications development**

Our Projects Accomplishment Methodology

ABTO Software takes care of the complete web development process providing fully customized web application solutions in ASP.NET. We are experts in building sophisticated and robust web and software applications possessing extensive functionality and flexibility. Our project development competencies embrace:

- ✓ Information Collecting and Analyzing & Requirements Elaboration
- ✓ Creating the Conceptual Design, Logical Design, Physical Design
- ✓ Designing the Presentation Layer and Data Layer and Security Specifications
- ✓ Deploying the Solutions
- ✓ Maintenance & Support of the Deployed Applications

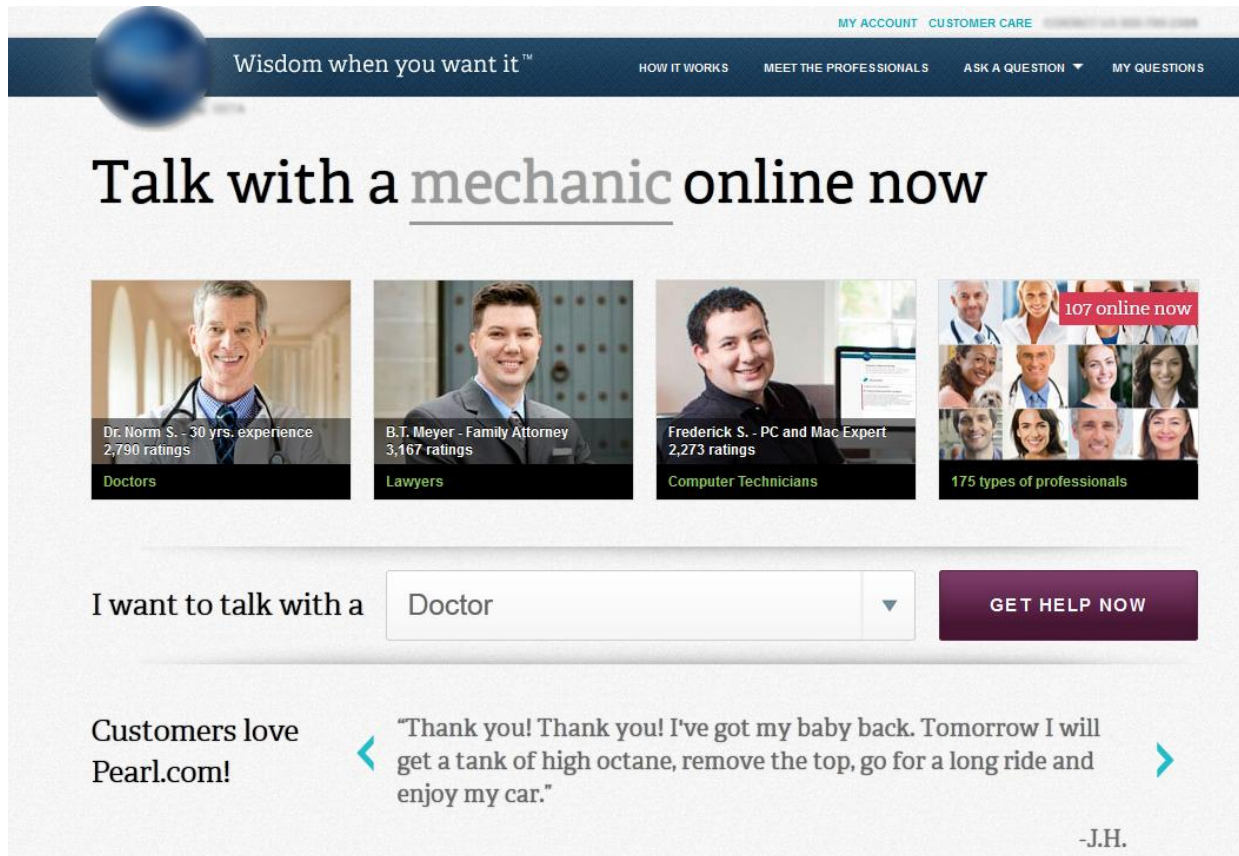## Why choose ASP.NET for Your Web Application Development

- **Time-efficient. ASP.NET** reduces the amount of code required to develop scalable applications and as a result accelerates project development on the whole, so our customers save their precious time.

- **Security in mind.** Due to built-in Windows authentication and per-application configuration the level of application security increases dramatically. Windows Web server monitors the web pages, various components and application running over it. It can immediately give warnings about memory leaks, unbounded loops and other illegal behaviors.

- **Simplified deployment. ASP.NET** is easy to deploy because of built-in configuration information, and as a result there is no need to register components.

- **High-level performance** is provided due to early binding, JIT compilation, caching services and native optimization support.

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Our ASP.NET Projects Experience

We have successfully accomplished a set of various projects for our customers in Western Europe and USA. They range in scale and complexity and include extensive web portals for sales and MLM, intranet applications for inventory management, accounting and Internet selling system specifically for E-commerce, online stores, accounting, and warehouse needs etc.

Please take a closer look at our work samples:

### The World's Largest Online Experts' Consulting Services Website

ABTO Software web developement experts have participated in the design and implementation of the **world's largest source of professionals online**. This **online real-time expert question and answer website,** localized for the UK, Germany, Spain and Japan, was created for an American customer, providing professional consulting services in various areas including medical, legal,automotive, veterinary, and tech support, or help with any other everyday issues.

We are proud to say that the online consulting website, which the ABTO Software specialists developed software for, fast, convenient, 24/7, anonymous, free of ads, received **an A+ rating from the Better Business Bureau** and obtained the **TRUSTe Privacy Seal of Approval**. In 2008 it also was rated as one of Quantcast's top 200 most visited websites on the Internet. Millions of satisfied customers mention "prompt, accurate, detailed answers" from "entirely professional and most helpful experts".

ABTO Software actively participated in the development of the website which now allows users from 145 countries around the world to to ask a question, create a user account, have a one-on-one online conversation with a verified trained professional depending on your need (lawyer, doctor, mechanic, veterinarian, accountant and other) in a time scale ranging from minutes to days. The experts on the site answer user-submitted questions for an agreed upon fee which is definitely much less than you pay for a verified professional and additionally avoid the hassle of an in-person visit. It's important to note that users only pay for answers they are satisfied with.

The ABTO Software team is responsible for a number of website development stages:

- Infrastructure development
- International web sites SEO
- New features development
- Ongoing web sites support and maintenance
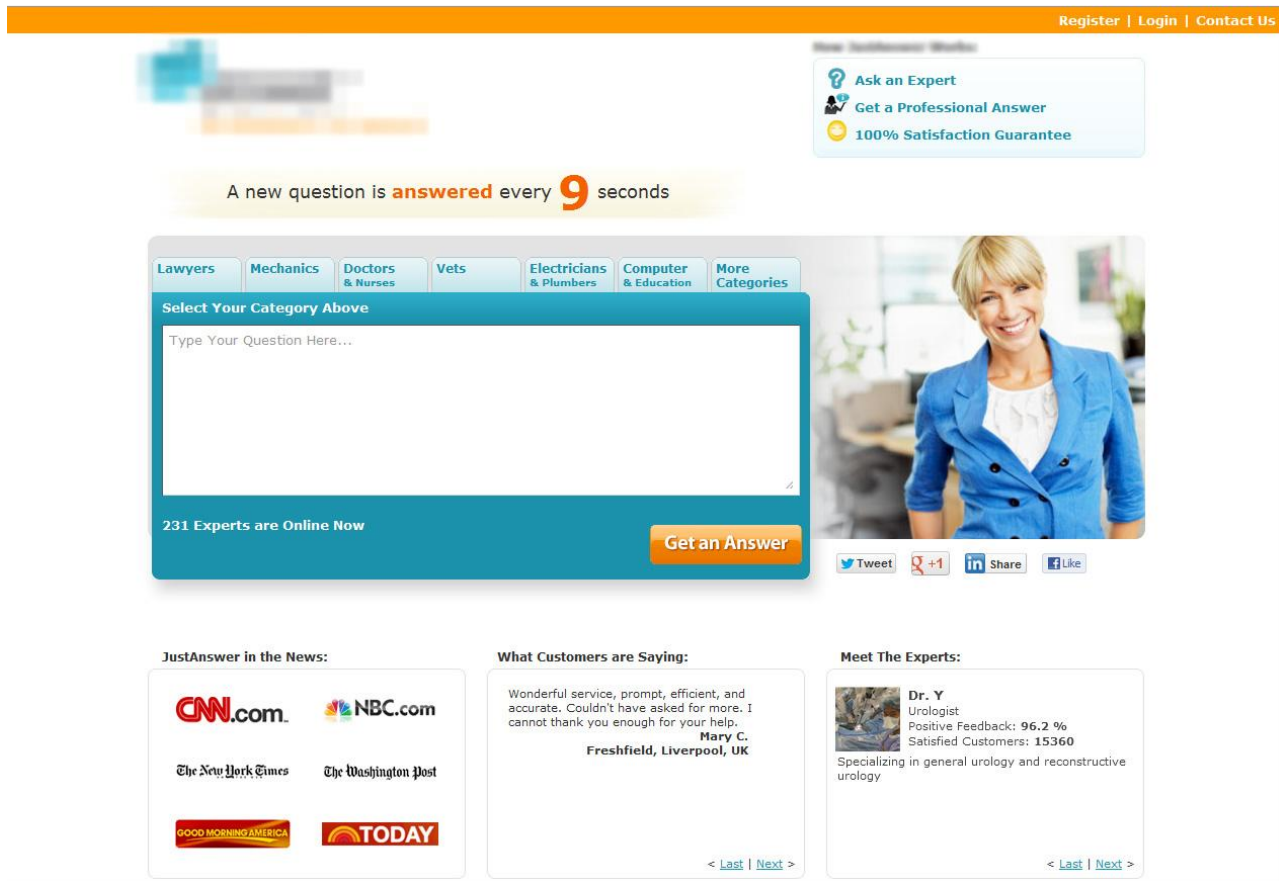
The online consulting website has from more than 150 categories and subcategories. To ensure the best quality of advice from their experts our customer verifies the credentials and expertise of professionals through a multi-step process, which includes:

1. Profile screen.
2. Subject matter test.
3. Verify credentials (e.g. license, certification, educational degree, or employment history).
4. Ongoing review.
5. Internal metrics.
6. Expert Quality Advisory Board which helps to set the credential requirements for Experts, review the subject matter tests, and provide feedback on answers from current Experts.

Technologies used: A/B testing (testpaths, flows, testpath hack, optimizely), Amazon S3, ASP.MVC 3, ASP.MVC 4, ASP.NET, C#, Cassandra, CSS, Drupal, Git, Hexillion, JavaScript, Jenkins, JMeter, jQuery, Knockout, Light Streamer, LINQ, Memcache, MongoDB, MSMQ, MSSQL, MySQL, NHibernate, PowerMTA, Rabbit MQ, Redis, Selenium, Solr Search, Strongmail, Teamcity, Underscore, Visual Studio 2010, WCF Services, Web Services, WEB.FORMS, Windows Server 2008 R2

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, Burn Down 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

Global Online Music Store
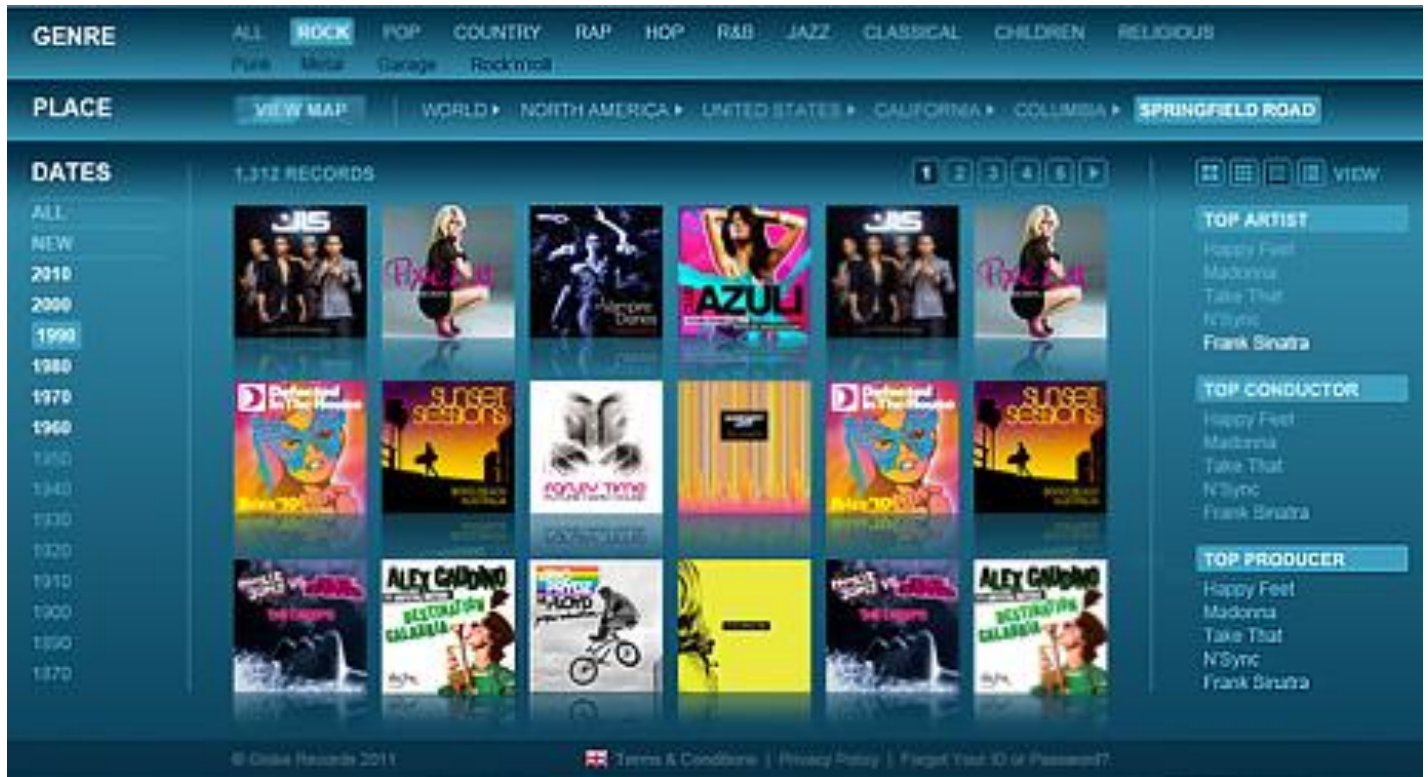
Our customer, a start-up company from the UK, came up with an idea of creating an online music store where billions of users from all parts of the world could purchase various kinds of music.

The ABTO Software team successfully implemented this idea paying special attention to geo-segmentation so that a user could be sure to find and buy his/her favorite music even by some local, not globally known, groups. Our professionals ensured that a great number of users could listen to a trial piece of music they chose in high quality, without any delays, and then download the whole piece with no difficulties.

We also developed this Web Music Aggregator for singers and musicians (both local artists and international superstars) to be able to send their recordings for audition by potential producers.

The most important features of the website are:

- high performance environment
- huge data loads balancing
- streaming of music
- virtual maps (Google Maps, SVG, KML)
- usage of Front End/Back End User Interface
- usage of administrative application (.NET 4.0, WinForms)

Technologies used: .NET 4.0 ADO.NET Entity Framework, AJAX, ASP.NET, Facebook API, jQuery, MySQL, Twitter API

TMED – a Website & a Mobile Application for Communications between Doctors and Patients

Our specialists successfully developed a highly functional and extremely user-friendly website and a mobile application designed for providing efficient communications between doctors and patients. They can easily interact online by using mobile technology and encrypted video conferencing.

The website is meant for efficient information exchange on blood pressure data, glucose data, blood oxygen data, pulse data, lung capacity measurement data and other health related data.
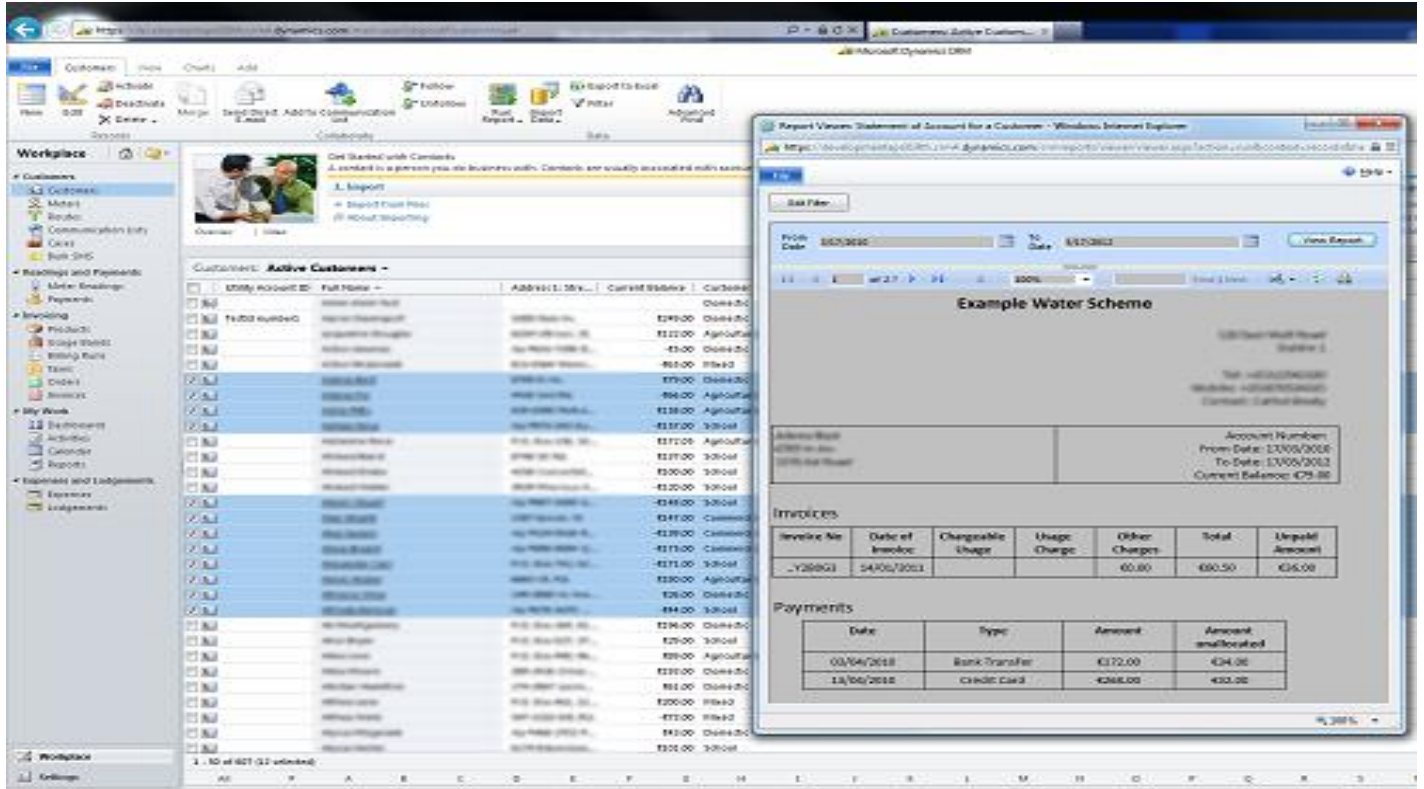
ABTO Software's specialists also designed special services allowing to use the videoconference, and provided the databases and content filling of the website.

TMED mobile application's main functions:

✓ A user can obtain a care plan from the doctor on his/her mobile device on the basis of the following criteria entered via mobile device or the website:
  - Blood glucose
  - Blood oxygen
  - Blood pressure
  - Peak flow
  - Weight
✓ History of the previously entered criteria is saved and available for preview
✓ A patient answers the questions of the survey for the doctor to monitor his/her condition. The survey is voice read as well.
✓ Daily health tips available.

Technologies: AJAX, ASP.NET, CSS, EntityFramework, HTML, jQuery, MVC, MySQL

Water Utilities Customer Information System

Our customer, an Irish company dealing with water delivery schemes, faced a problem with billing its customers as it required too much manual work and management.

There was developed a system which completely automates the administration of water schemes. The system allows to manage water usage, create invoices and make payments taking into account various discounts, debts, benefits, products offered.

The ABTO Software team created a number of special custom plug-ins, dialogs, web pages, and configurable financial reports (per invoices, water schemes meters, meter readings, or customers) for this product to work as an integral system.
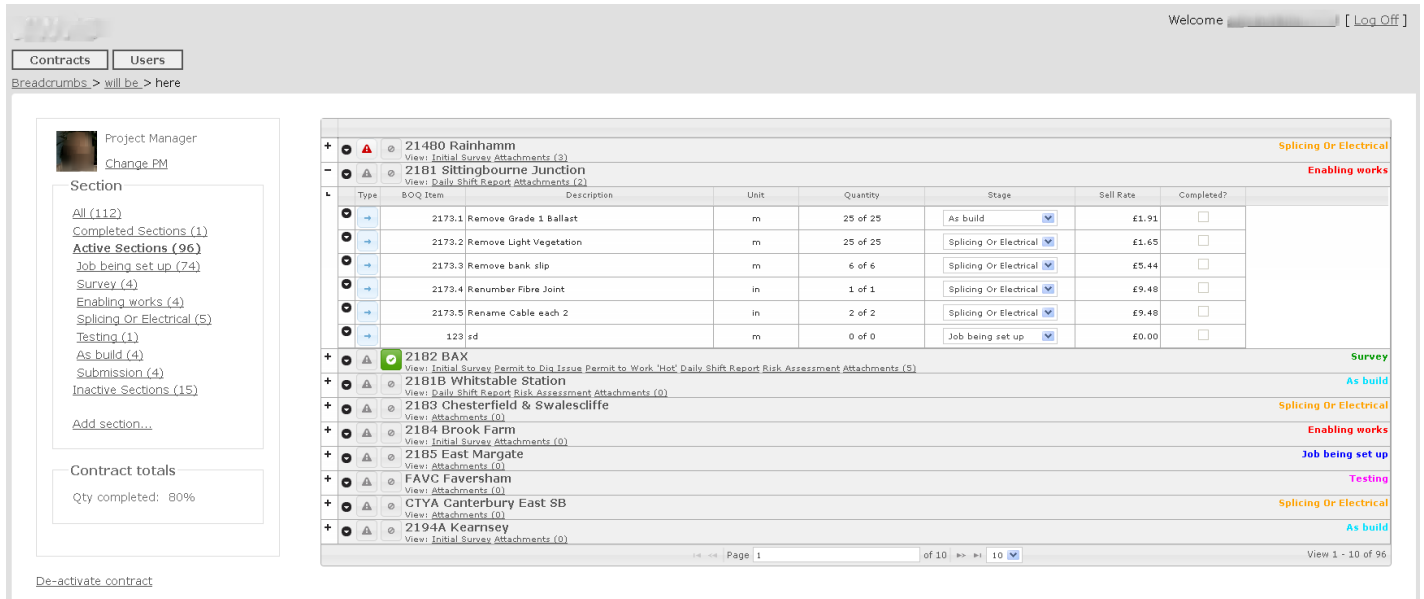
The system's main features:

- Bill generationPayment tracking
- Fault and leak detection and location
- Financial reporting
- Customers meters replacement
- Lodgments' and Bank Account management

This system for administration, accounting, creating databases, efficient workflow management and customer information is a universal product which can also be used in other Public Utilities organizations. It guarantees considerable costs savings to various businesses and vertical markets due to systemizing of the whole workflow including billing process and simplifying communications with customers.

Technologies: MS Dynamics CRM Online 2011, JavaScript, jQuery, LINQ, .NET

KITS – Online Management & Planning System

ABTO Software developed an advanced Intranet utility for our customer - one the largest UK's telecommunications, transportation and utilities service provider. This online system helps our customer manage all the works, resources and personnel, adequately estimate the company's personnel workload owing to the received reports and keep all costs well under control by optimizing the whole workflow process.

The ABTO team created a multifunctional database system that can be used by users with different roles. The system allows the executing authorized staff to:

- Report on the work done daily
- Request/report on the tools or resources needed
- Make risk assessments
- Track active projects status & view all projects history
- Coordinate projects workflow

Our experts developed a mobile version of the system which is extremely handy when used by the employees working in out-of-the-way places. In such cases workers record all necessary information on mobile devices, which is transferred to the server as soon as the connection is available.

This online management and planning system is designed to coordinate all the operations within projects of various scales, which helps the customer's management:

- Assign tasks and monitor their performance status,
- Manage tools and resources needed
- Get analytical graphs, statistical reports and forecasts (including Daily Shifting Reports)
- View, calculate and control sell rates
- Estimate and forecast project(s) profit / loss,
- Control company departments profit / loss

Our customer's end clients or contractors can also be granted access to relevant data so that they can track the execution of their order.

Technologies: .NET, C#, MsSql Server 2008, ADO.NET entity Framework, ASP.NET MVC 3, HTML, CSS, Javascript, jQuery, JQuery Themeroller, Android, Java, sqlLite.