

Project Management Dashboard - improved Portal with SharePoint!

“This PMS allowed us have full visibility of the project status, so that we were able to take immediate action.”

Nearshore services

Technologies:
 Visual Studio 2010, SharePoint 2010,
 Team Foundation Server, C# .NET
 Web Services, Visual Web Parts



About the Customer

The customer is dedicated to innovation in building technologies in order to come out with solutions for a better quality of life both in offices and living areas.

Their engineering team is looking to achieve conservation of resources and the cost-effective utilization through highly efficient energy use; the preservation and sustainable increase of regional sites through the preference of energy sources which are already available in the areas of our construction projects.

About Ropardo s.r.l.

Ropardo is an IT group with solid turnover and over 50 skilled employees. **Innovation, Quality, On-time Delivery** have been our constant objectives.

Our main expertise is in: software development, implementation of complex software solutions and maintenance of software/IT systems.

We provide the following in various industries: app and system development, business apps – ERP / CRM, web apps and e-business / eCommerce, software reengineering, software testing, maintenance and support.

Further info at: www.ropardo.ro

Challenge

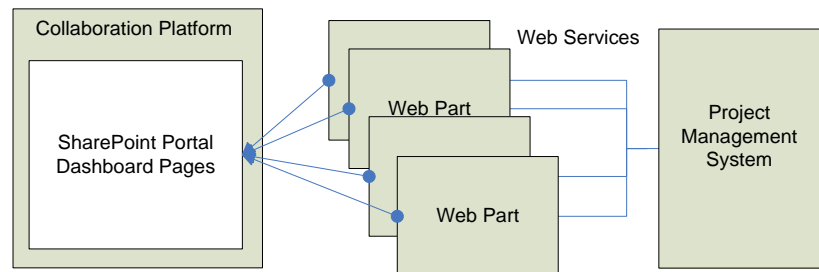
Before the moment of the project, the client was using a custom Project Management System and in 2010 they started implementing a collaboration platform based on SharePoint Foundation 2010.

The client wanted to integrate the two systems. To begin with, they needed to see a series of statistics and charts of the data in the Project Management System.

Solution by Ropardo

The first step was to discuss with the customer’s representatives and create a list of the data they wanted to make available in the portal. Both Project Management System and the Collaboration Platform were using Single Sign-On authentication.

Together with the client we decided for an implementation based on Web Parts using standard SharePoint controls that would feed on Web Services provided by the Project Management System. This approach provides a uniform GUI through the collaboration platform.



The client was already using 3rd party controls in order to obtain these in the Project Management System and preferred using the same controls for this task also.

Technologies

The project was implemented using **Visual Studio 2010** as development environment and **C#** as coding language. Connection between the two systems was made through **Web Services** exposed by the **Project Management Software**. The web parts were developed using standard SharePoint controls like **'SPGridView'** and **'SPMenuField'**.

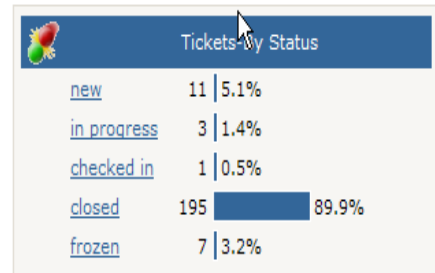
The management of the project was done using **Team Foundation Server**.

SOFTWARE CONSULTING	Requirements management System analysis Risk analysis Process management
SOFTWARE DEVELOPMENT	Architecture design Implementation Software test Project management
SOFTWARE SERVICES	Maintenance Software tuning User training
TESTING / QUALITY	Functional testing Unit testing Automated testing Load/Performance testing Static testing
STANDARDIZED ITMS SERVICES	Change management Problem management Incident management Release management
LEVEL of SERVICES	

Project Development

The project was split in 3 phases.

- project Management
- System extensions
- implementation of statistics Web Parts
- implementation of Chart Web Parts



After the first phase had been completed and each Web Service tested, we started implementing the Web Parts.

Most of the web parts were implemented using **GridViews** and provided Excel export functionalities and access to Project Management System through web links. Of course there were some exceptions like in the image above, for which we implemented some custom html.

For the last implementation phase our developers found a work around that allowed us to avoid moving large amounts of data and reprocess it in order to generate chart views. They observed that the 3rd party controls used in Project Management System were storing the generated images on the disk and reused them to avoid processing.

So what we did was to implement some simple services that would allow us to import this image and display them in the screens of the collaboration platform.



Outsourcing to Ropardo:

- Quality custom software development
- End -user satisfaction
- Short time to market
- Quantifiable value
- Guaranteed performance level
- Reduced and controlled costs
- Managed risks
- Good value-for-money
- Flexibility

Contact

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Benefits

- visibility to see what has been done and what still needs to be completed
- assigning resources to tasks or projects
- easier communication through the uploading and sharing of files, collaborating on an online space and emailing updates through the system
- permanent evaluation of the project status and possibility bring about changes or correct what went wrong

