CASE STUDY
APPLICATION & CLOUD SERVICES

PRODUCT RECOMMENDATION

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Boost customer productivity through in-time selection of optimal product – enabled by a cloud based solution

PROJECT OBJECTIVES

The focus was on recommendation of best product for given customer environment. Locating of such product means simulating behavior of each product and finding optimal parameters according to customer's manufacturing process limitations. The main project objectives were to design, implement and support a new industry solution covering the following requirements:

- Flexible and modular architecture enabling future platform growth and enhancements
- Appealing user interface with 19 languages and responsive design for two different customers' brands
- Support for different consumer scenarios
  - Online version with graphic interface
  - Offline version for local or intranet deployment
  - REST API for consuming systems allowing consuming of the tool recommendation without using user interface

CUSTOMER BENEFITS

The solution is used as recommendation master for our client. Our client could realize tangible value and results in the following areas:

- Competitive advantage to other similar suppliers: With release of this solution the end customer gets the most exact product recommendation on the market.

- The level of recommendation that is delivered by the software for an end customer in an iterative process of 5 minutes of end customer interaction (or 100ms in case of API access) would in the past have required 1 day of a skilled engineer to evaluate and calculate behavior of different products in order to find the most optimal.

- Better productivity or higher savings for end customer – the system is able to propose the most efficient or most productive products.

- Flexibility, scalability and openness of new solution. The modular architecture allows fast implementation of new requirements and functionalities, resulting in faster time-to-market. New modules are already planned.

ips
giving a face to IT ideas

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IPS EXPERTISE

IPS provided expert consulting, analytical and architectural work, solution design and development, graphic design, operation and maintenance.

TECHNOLOGIES USED

- C#, XML, HTML, Angular JS
- ASP.NET Core, LINQ to SQL, Azure AD B2C,
- SOA, WCF, SOAP, REST, SSRS, SSIS
- Visual Studio, TFS, Git, PowerShell, SharePoint
- Windows, Windows Server, Windows Azure

End-customer premises

Browser

Browser · Server (offline) → External systems

Cloud · Server (online) → External systems

On-premises

Integration Services

Product data (ISO13399) · Product behavioral data

Microsoft Partner

Gold Cloud Platform
Gold Data Analytics
Gold Application Development
Silver Collaboration and Content

Microsoft