

CASE STUDY  
APPLICATION & CLOUD SERVICES

## VENDING MACHINE LOGISTICS

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Simplify the product delivery to end customer

## PROJECT OBJECTIVES

The main purpose of the project is to build a complete solution for management of product distribution through vending machines located in end customer's manufacturing plants.

- Support of wide range of vending cabinets
- Flexible and modular architecture enabling future platform growth and enhancements
- Cloud and on premise solution with equal functionality
- Ability to export/import data
- Strong support for data reporting and B2B integration
- Integration with customer's product catalogs and with Digital Tool Library
- Ergonomic and fresh user interface
- Support for mobiles and tablets
- Multilingual support of 18 languages

## CUSTOMER BENEFITS

The solution supports a wide range of vending machines together with usage of specific functionality of these vending machines. The other significant benefits for our customer are the following:

- Online overview of end customer's activity
- Custom solution adaptable according to customer's needs
- Scalability of the solution - cloud and on premise installations
- Unified application with customized layout for different brands
- Modular solution with possibility to reuse modules from other projects
- Centralized management of end customers
- Competitive advantage with special add-ons in comparison with competitors' products
- Extended integration with ERP, B2B and catalogs for distribution of products

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## IPS EXPERTISE

IPS provided business analytical and architectural work, solution design and development, graphic design, organization of acceptance testing, 1st level support training, operation and application maintenance (2nd and 3rd level support).

## TECHNOLOGIES USED

- C#, .NET Framework
- Azure Cloud/On premise installation
- MS SQL DB, Local DB, Cosmo DB, Mongo DB
- HTML5, SASS
- Bootstrap, Modular JS, Angular JS, TypeScript
- Web API, WPF, SignalR, OData
- Entity Framework, LINQ, ASP.Net CORE
- Visual Studio, TFS, PowerShell
- Windows, Windows Server, Windows Azure

