



ArtSoft
— consult —

The Art of Software Development

Equipment stock management

Key Information



Industry:

Energy - Electricity and Gas Production and Distribution



Project duration:

1,5 year



Team Size:

8 specialists



Technologies:

- PHP
- CodeIgniter
- MySQL
- JavaScript



Services:

- Analysis
- Architecture and design
- UI design
- Implementation
- Testing
- Deployment
- Maintenance
- Project management

Highlights

- The client is an international electricity and natural gas production and distribution company, with a complex hierarchical structure and business rules. The requirement was to build a modern digital solution for the Work Equipment Management Department.
- The solution was delivered in a short timeline and fit the business needs, offering a **complete solution for work and safety equipment management** on the entire company level.
- Our company performed the data migrations into the new system from **many heterogeneous data sources**.
- Agile project management was used, with defined checkpoints, facilitating the feed-back of the client regarding the artifacts delivered.
- Integrations with existing 3rd party systems.
- The system has a user-friendly, easy-to-learn interface, including those used to generate **complex reports**.

Product Overview

This application manages safety equipment for employees, aligning equipment with individual job descriptions.

It handles equipment stock levels, **forecasts and validates future purchases, tracks acquisitions**, facilitates equipment sharing, maintains a history of equipment requests, and **generates reports**.

Key modules include:

- Administration/Configuration
- Stocks Administration
- Acquisitions
- Employee Equipment
- Equipment Demands
- Reports

Requirements

The client needed a robust solution for digitizing its equipment management at the level of the entire company. Our client is an international company that operates in the field of electricity and gas production and distribution field, having many subsidiaries and operational units in Europe.

The project requirements included managing safety equipment based on employee roles, tracking equipment inventory, forecasting and managing equipment acquisitions, providing reporting capabilities, integrating with existing systems such as SAP, and delivering a user-friendly interface.

Challenges

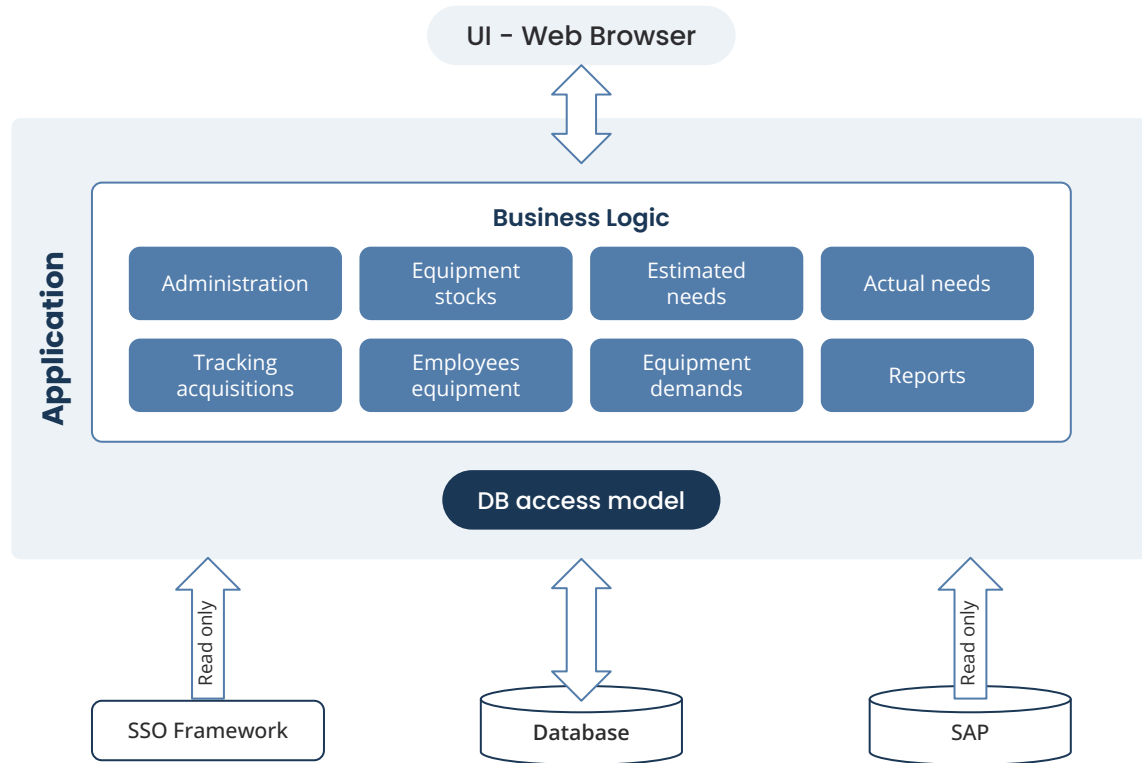
The project presented certain challenges, including the **complex business rules** stemming from the client's hierarchical organizational structure, the need for **complex queries** to handle **large amounts of data**, the requirement to **import and validate data** from other client applications, the development of a **rich and responsive user interface**, and the presence of complex testing cases.

Provided Solution

The project achieved its goals by developing a **full-featured system** with a **rich user interface** and **high degree of user-friendliness**.

The project's complex business rules and data management needs were met through architecture, software design and implementation.

Thorough **testing strategies and procedures** were used, including both manual and automation testing, that covered unit, integration and performance tests, assuring this way the **highest quality of the provided solution**.



Let's get in touch

ArtSoft Consult is a trusted partner in the IT industry, providing tailored solutions to address your unique business challenges.

With our proven expertise our team delivers innovative solutions and development services.

Drawing from years of experience and industry insights, we deeply understand this industry and we look forward to working with your business.

For more details on our services and team, please [contact us](#).



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