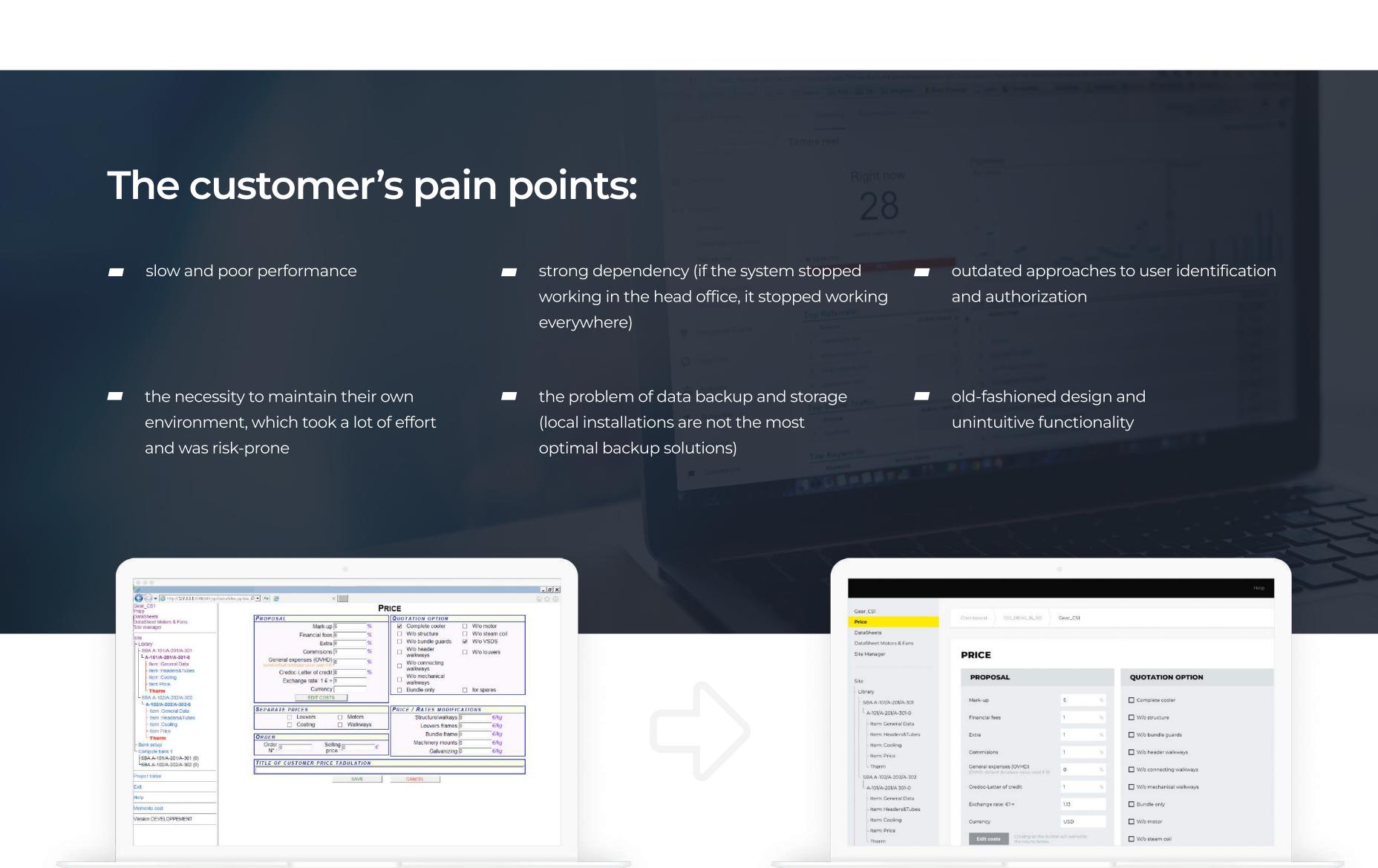
instinctools Delivering the future. Now We advance and innovate your business with digital transformation Legacy Software Modernization For a Global Heat Exchanger Manufacturer Domain: engineering, heat exchanger manufacturing, heating & cooling systems **Budget:** >200.000\$ **Duration:** How switching from legacy, head-office dependent software to a 1 year cutting-edge solution, featuring a modern toolset and intuitive UX, helped the leading heat exchanger manufacturer eliminate manual

Challenge

maintenance tasks and lower software upkeep cost by 27%.

The engineering toolset, which the customer had been using for more than two decades, had become complex and outdated. The problem was that the software was based on old technologies and was developed by people who were no longer with the company. Its maintenance required added manual effort which led to higher process costs. "We need a state-of-the-art solution" - that's what our customer emphasized on during the Clarification Call with us. The customer wanted to have a modern software that would provide calculation results in a quick and easy way, as it is one of the key factors in heat exchange industry which affects the client's decision in choosing the supplier.



Tasks:

management process including further development of the tools and applications used by the customer to upgrade UI by making it more current

while minimizing changes in UX, thereby

to improve the efficiency of Sales/Order

lowering the barrier to entry to use SharePoint as a document

management and storage system

- to integrate the tools with the customer's

all of the system's components and

business logic

authentication system

to stabilize the current system, retaining

Solution

understanding of what the project goals were. To make sure that the project implementation result will reflect what the customer really needed, it was decided to start with the Pre-Discovery workshop: we clarified all the details, discussed the customer's pain points and chose the direction for further analysis. It prevented the project from going in the wrong direction from the very beginning and created a proper base for the Discovery phase.

The volume of work was quite substantial. It required a thorough analysis phase. At the

start, the stakeholders in the customer company couldn't come to a common

implementation: migration of the legacy system to Azure Cloud (fulfilling all the customer's requirements) and implementation of the new UI.

implementation, and made the estimation of the project. This approach helped avoid

In this phase, we defined the tasks, planned the resources and the stages for

wrong strategic decision-making and contributed to a successful project

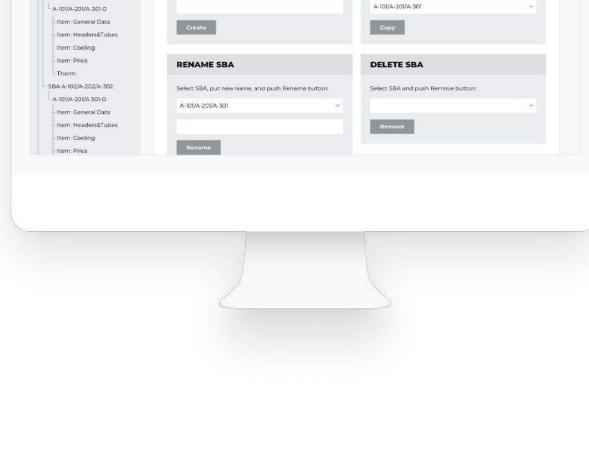
Architecture improvements and Project Charter with settled release processes and technical solutions compatible with Azure Cloud communication plan

Deliverables of *instinctools team:

CI/CD

- implementation of new designs

UX/UI strategy and the



LIBRARY

minimizing errors and efforts making the maintenance for testing process easier

Benefits for the customer:



reducing the workload (less time spent on requirements engineering and easy reuse of working modules)



unifying the whole process of equipment configuration



to a minimum

getting their software up to modern standards which makes addition of new features and upgradation of the existing ones cost and time

lowering maintenance process costs

Cloud Technologies

effective

Spring Boot Java 11

Spring Security

Technologies

Spring Cloud

Gradle

Spring JDBC

Spring Web

Microsoft Graph

Azure Pipelines Azure AD

Docker

- Azure App Configuration
- Azure Monitor
- Azure SQL Database
- Azure Container Registry Azure AKS

Azure DevOps

Vault Azure Files

Microsoft

SharePoint

Azure Key

Do you have a similar project idea?

Contact us — and we will estimate

your projects costs for free!

CONTACT US

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