



THE SHIFT FROM LEGACY SYSTEMS TO COMPOSABLE COMMERCE

Forbytes helped the client move from the inflexible monolithic approach to easily maintainable composable e-commerce. We chose the best-of-breed e-commerce systems that are self-serving and require no development effort and integrated them constituting a future-proof composable commerce architecture.

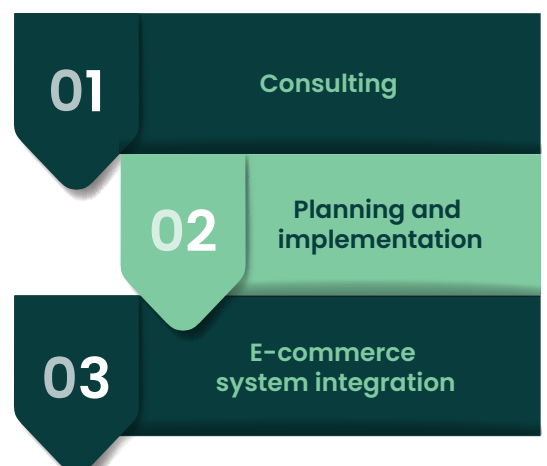
ABOUT THE CLIENT

Our customer is one of the leading stores in the niche of online furniture and interior design in the Nordics. They own both physical and online e-commerce stores and do business in several countries, including Sweden, Norway, Finland, and Denmark. As a big e-commerce enterprise, the client runs and manages multiple custom-built e-commerce services, each requiring support and maintenance effort from their team. To optimize their expenses and achieve more efficiency, the client decided to move from the monolithic architecture to a composable commerce approach.

SCOPE OF THE PROJECT

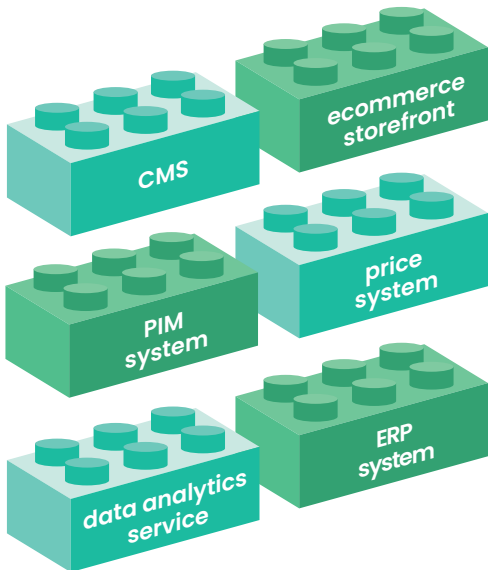
Stage 1: Consulting

Our goal was to define the client's needs, problems, and challenges. For this, we deeply studied the tools and systems they use, the goals these systems serve, the client's expectations of the new architecture, etc. Besides, we explored what systems and tools are the client's top priority and what the extra ones are. We collected data on what the client wishes to change in their systems' functioning, what they want to add, and what to improve.



Stage 2: Planning and implementation

The data collected in the previous step gave us a knowledge of the business landscape the client operates in. Based on the insights we gained, our ecommerce engineers selected an optimal team composition, estimated the expenses, and planned out the integration process. We suggested the optimal architecture design and made the list of ecommerce services that best suit client needs. After the client verified the budget, toolset, and timeline, we moved to the last step.



Stage 3: Integration of ecommerce systems

After we considered the pros and cons of each ecommerce system and came up with the most effective ones, the next task was to integrate these services. Together, they constitute a composable commerce architecture that is flexible, efficient, and easy to maintain. The communication protocols between the systems were defined in advance by our experts, which ensures data consistency across the whole ecommerce infrastructure. As a result, the client got a composable ecommerce architecture consisting of a best-of-breed PIM system, CMS, ecommerce storefront, price system, ERP system, and analytics service.

THEIR CHALLENGES

The custom-built systems the client used before required big maintenance expenses and ongoing support from the development team, which had a big impact on the client's expenses.

It usually took months to years for the client to introduce new features, make changes, or upgrade their ecommerce systems. This resulted in slower time-to-market and harmed the operation efficiency.

OUR SOLUTIONS

1

The off-the-shelf systems we chose are fully maintained and supported by the system providers, meaning the client no longer has to keep the development team or invest in the support and maintenance.

2

Instead of investing money and then waiting for months for the project's delivery, the client can pay for the features and functions they need and access them instantly by selecting the right ecommerce tool provider.



The client lacked flexibility in their monolithic architecture and struggled with removing, changing, or adding new components as changes in one aspect affected the performance of the whole system.

When shifting from one approach to another, the client found it hard to find the right tools that will be secure, compatible, and performant and won't damage the rest of system.

3

By moving to composable commerce architecture, the client can add, remove, and change the tools, expand their ecommerce infrastructure, and ensure the smooth functioning of its independent components.

4

Our experience in ecommerce development helped us select only the intuitive and easy-to-use tools that are recognized on the market and are known for their supreme security and wide compatibility.

HOW WE ADD VALUE

01. STRONG CONSULTING EXPERTISE

In contrast to other types of ecommerce development projects, composable commerce architecture development requires profound consulting skills. It's the consulting stage that determines how successful the project will be. Here at Forbytes, we carefully plan out the consulting process and conduct both tech and non-tech investigations of the client's needs

02. EXPERIENCE IN COMMERCE INTEGRATIONS

Defining how the systems will be connected and ensuring their integrity is one of the biggest responsibilities in composable commerce projects. Forbytes engineers possess both hard and soft skills required for building the integration platforms, integrating the systems, and ensuring their compatibility in the needed aspects.

03. COMPETENCE IN MACH

MACH stands for Microservices, API-first, Cloud-native, and Headless. It's one of the novel approaches to architecture development that helps create future-proof and consistent ecommerce infrastructures. With the knowledge of MACH, we'll create a genuinely open modular environment for you, improving the speed with no risk.

04. SHORT LEARNING CURVE

As a full-cycle development partner, we can guide your team through the learning process on how to use the new ecommerce systems and tools. The toolkits we compose are always easy-to-use and intuitive and typically pose no challenge for the client team in terms of usability. Though, we will eagerly assist your team with overcoming challenges if any.