E-commerece

HYS Enterprise Builds a Microservice Architecture for One of the Biggest DIY E-Commerce Platform in the Benelux Countries

We helped Maxeda migrate from a monolithic to microservice architecture to get an easy-to-maintain, flexible system and make their work easier and faster.

Business Solutions

- Customer Success Service
- Maintenance
- Microservice Architecture
- Technology Migration

Technologies Used

- Amazon Docker
- Docker
- DynamoDB
- Java
- JavaScript
- MongoDB
- Spring
- Spring Boot

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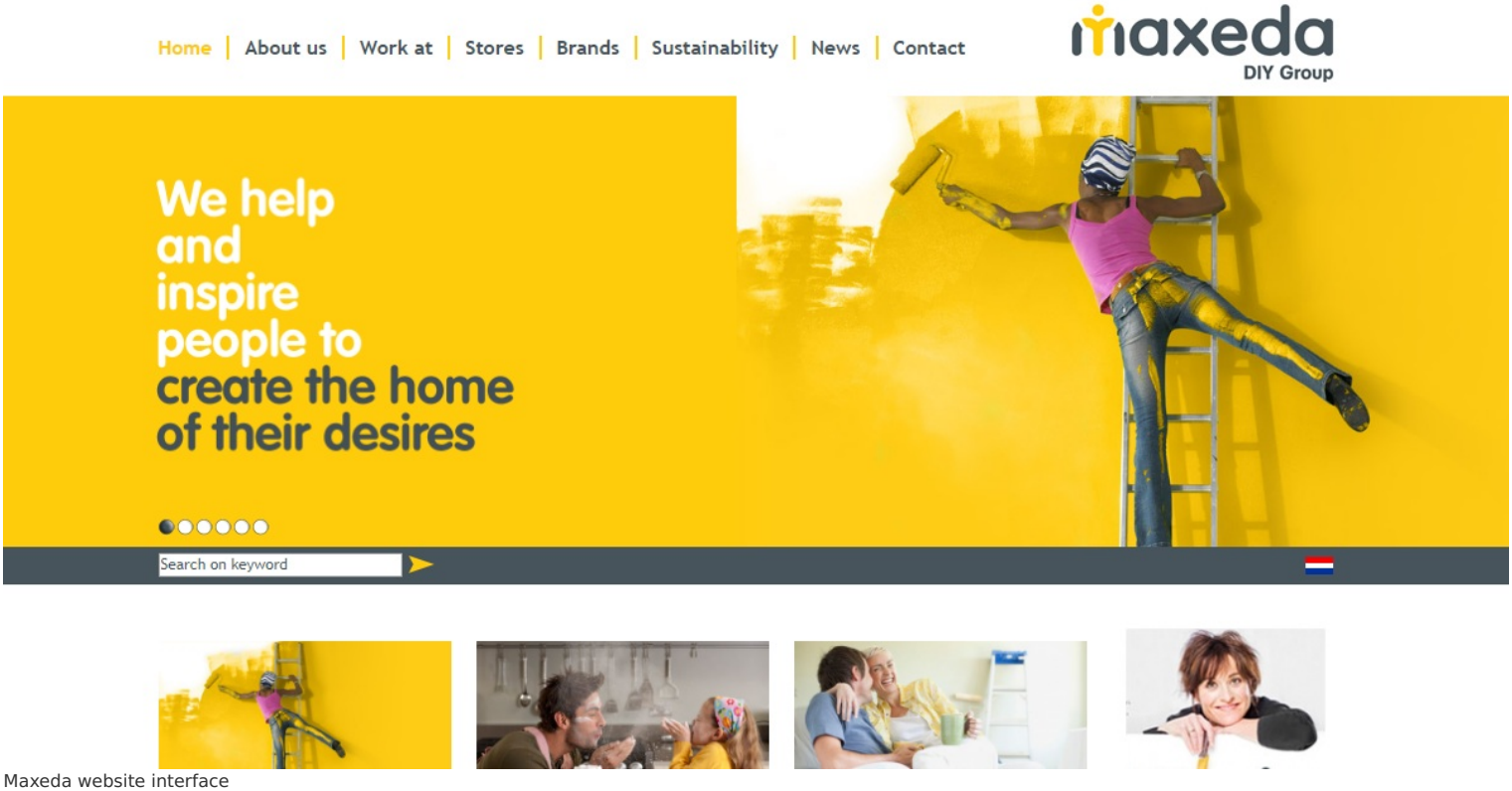
The microservice software architecture allows you to divide a system into smaller, independent services. Each of them is flexible, composable, and complete, and they can be implemented in different programming languages and on different platforms. This makes working with several teams easier. Compared to monolithic systems, microservices are more flexible and scalable and are easier to build and maintain.

Read this success story to find out how we built a microservice architecture for Maxeda to make their work easier and faster.



Maxeda website interface

About our partner

Maxeda is a Dutch retail group that operates do-it-yourself stores in Belgium, Netherlands, and Luxembourg. Here are some facts about the company:

- Founded in 1999
- Headquartered in Amsterdam, the Netherlands
- Owns several brands: Brico, Praxis, Plan-It, and Formido (we've worked with Praxis and Brico)
- 387 stores across the Benelux countries
- Nearly 7,000 employees
- Revenue of 1.337 billion euros in 2015

About our partner’s problems

Our client’s website had an old monolithic system, and supporting it required a considerable amount of time and resources. The system was slow, and there were a lot of obsolete elements.

Our client has several development teams. Our HYS team was put in charge of everything related to client services (creating orders, processing payments and orders, and so on).

What our partner needed

Our client needed a more flexible system and a complete update to their website.

Methodologies and technologies

Methodologies: Scrum, Large-Scale Scrum (LeSS)

Technologies: Java, Spring, Spring Boot, JavaScript (React.js, Node.js, Express.js, Zalando.js), Docker, Amazon Docker

Databases: MongoDB, DynamoDB

What we did

- Began by supporting the old version of the system
- With other teams from Kyiv and Amsterdam, decided to build a microservice architecture and upgrade the core system
- Integrated our client’s core system with systems of our client’s business partners
- Migrated to Amazon Web Services
- Customized the user flow
- Started planning the development of another microservice

We continue supporting and improving existing microservices and upgrading SAP Hybris from 5.x to 6.x.

Results and profit for our partner

As of 2018, we’ve been working with Maxeda for more than two years, and we continue to successfully improve and maintain their projects.

During our work with Maxeda we’ve collaborated with two other development teams to meet all of our client’s recruitments, update the entire system, and create a flexible microservice architecture, which has resulted in productivity gains and a conversion rate increase.

Book a Meeting With Us

Our managers are here to chat with you live. Or you can book a meeting online or in our Amsterdam office. Let’s talk about your projects!

Book a Meeting