MARTINELLI
Keep IT simple

Case Study
About the customer:

Prodega/Growa/Transgourmet is the leading Swiss Cash & Carry and wholesale supplier for the hotel, catering and retail trade. The company generates annual sales of approximately 1.5 billion Swiss francs with a total of 1,600 employees. They run 30 Cash & Carry markets and seven regional warehouses, and offer over 25,000 products to an estimated 100,000 customers.

About the project:

Multichannel — SAP Replacement Project
This project involved merging the Cash & Carry and Wholesale Supplies divisions, which required the Enterprise Resource Planning systems (ERP) of both of their divisions to be consolidated.

The company uses an in-house developed ERP that supports the key processes of the entire supply chain. For flexibility and cost reasons, Transgourmet decided to implement the project based on the ERP system of the Cash & Carry division.

Highlights of the project included the **fully-integrated order entry and the online store**. Every year, approximately 300 million Swiss francs are processed through these applications.

This project was of strategic importance to Transgourmet because the company needs to be able to react as fast as possible to evolving business trends and to provide additional services and products to retain its position as the market leader in Switzerland for Cash & Carry and wholesale suppliers.

Case Study Prodega/Growa/Transgourmet Multichannel — SAP Replacement Project

As the technical project manager and lead architect, Simon Martinelli was fully responsible for the software and systems architecture. He has been a **key player, actively involved in the development of software components for Transgourmet since November 2014.** The new systems were successfully deployed to production in the spring of 2017.

Throughout the process, **Simon Martinelli provided coaching for the company's developers**. In doing this, he greatly **contributed to the knowledge transfer for their future needs**. He developed documentation and guidelines for all aspects of the software architecture, design, development and operations. The software development department is **now able to maintain and enhance the existing applications and successfully implement new applications**.

Technical Details:

The Agile project was fully executed using Scrum methodology, which helped us to reduce round-trip engineering, inconsistencies, and to integrate the end users from the beginning. It involved enhancing the existing ERP system (based on Eclipse RCP and Java EE running on a JBoss application server) and the setup of an integration platform (using WildFly AS, Apache Camel and Smooks) to implement interfaces between the company and customers, suppliers and 3rd party systems.

The online store was reconstructed based on React and REST, and the core search engine was built with Apache Solr/Lucene. Mobile applications for customers and truck drivers were implemented with Java on the Android platform.

Performance was a key challenge, so we utilized Gatling load generator for load and performance tests.

To support operations, a centralized configuration and a logging system based on ELK stack (Elasticsearch, Logstash, Kibana) was introduced.