FOOD AND BEVERAGE

SUCCESS STORY

Bell Food Group optimizes SAP processes in production and logistics with more than 20 mobile, offline-capable low-code applications

In the process of its SAP S/4HANA migration, the Swiss market leader for meat and convenience food production modernizes its mobile device landscape in just 6 months. Thanks to the low-code app development platform Neptune DXP, the company is laying the foundation for implementing the entire SAP Fiori roadmap.

About Bell Food Group

Bell Food Group Ltd is a leading manufacturer of meat and convenience food. In 2021, Bell Food Group achieved sales of 4.2 billion Swiss francs. The company has 64 locations in 15 European countries and employs over 12,500 people.

Industry Focus	**Food and Beverage**	Devices	**300 mobile devices (Zebra/Android)**
System Version	**SAP S/4HANA, FI, CO, SD, MM, PP, PS, PM, QM**	Timeline	**Proof of concept with 2 applications in 4 weeks, 6 months duration for the entire project**

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Food and Beverage

Challenges

- Outdated and inflexible IT infrastructure for mobile devices
- Integration of a development platform with S/4HANA architecture and UX strategy
- Limited SAP Fiori experience in the predominantly ABAP-focused team

Solutions

- Reengineered outdated applications and developed new ones to modernize the system
- Platform transition from Windows CE to Android
- Applications only require development once and can be utilized across various devices

Benefits

- Enabling ABAP developers to quickly and seamlessly develop Fiori apps
- High-performance, platform-independent apps with offline capabilities utilizing native hardware components
- Established a lean IT architecture without the need for additional infrastructure

The Success Story

Challenge: Modernization of the outdated mobile landscape at Bell Food Group

As part of the SAP S/4HANA conversion, **modernizing the mobile end devices and their applications is a strategic challenge** for Bell Food Group.

In addition, Bell Food Switzerland needed to choose an app development platform that would facilitate the comprehensive implementation of SAP Fiori.

An optimal developer experience was also crucial in selecting the right app development platform, ensuring efficient app development and quick deployment of mobile applications for professional end devices.

Solution: Implementing the Fiori Roadmap for an enhanced user experience

In the project, there were initially 20 Windows CE-based applications that needed to be utilized on 300 mobile devices.

In addition, the SAP processes for goods receipt, warehouse transfer postings, and the "picking apps" for shipping and picking had to be optimized.

To transition from Windows CE to Android, the old applications were redesigned, and **new ones were developed using the low-code app development platform Neptune DXP.**

During the app reengineering process, emphasis was placed on both software component independence and optimizing the user experience. **A modern and intuitive user interface was developed to enhance the overall user experience.**

Furthermore, industrial scales and native hardware components were seamlessly integrated into the new processes.

"We are fully convinced by Neptune DXP, the low-code app development platform," stated Markus Kollatz, Head of DevOps Center SAP at Bell Food Group.

> **"We knew that the Neptune DX Platform would be an excellent way for us to overcome the technical hurdles such as offline scenarios, the integration of native device functions and cross-platform use."**
>
> - Markus Kollatz, Head of DevOps Center SAP at Bell Food Group

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Results: Achieving high-performance and platform-independent apps with offline capabilities, along with the successful implementation of the SAP Fiori roadmap

In addition to the primary project objective of replacing the old CE applications, this project serves as a significant benchmark. **It allowed for a comprehensive assessment of the performance of the Neptune DXP low-code app development platform in implementing the entire Fiori roadmap.**

The evaluation considered not only technical features but also the usability of the development tool by the internal IT department, which was of paramount importance.

Markus continues, "We knew that with the Neptune DXP, we would be able to easily implement the technical challenges such as offline scenarios, the integration of native device functions and cross-platform use excellence."

"Neptune Software has an impressive reputation in the SAP market. **However, what truly excited us was how well our internal development team adapted to the low-code app development platform.** We were completely convinced! Our ABAP development-focused colleagues, in particular, achieved excellent results," summarizes Markus.

Bell Food Group is strategically establishing crucial foundations for its SAP S/4HANA target architecture.

The Neptune DXP, an SAP-certified Neptune add-on, integrates seamlessly into the S/4 core. The no-code/low-code platform represents a central building block for implementing scalable extensions without leaving the SAP standard.

The optional integration of oData Service, the bidirectional applicability of Neptune Launchpad and SAP Launchpad as well as the use of SAP UI5 as a uniform front-end technology make all this possible - and, above all, easier for the entire team.

About Neptune Software

Neptune Software is a rapid application development platform vendor with more than 730 enterprise customers and over 4 million licensed end users globally that empowers IT departments to deliver tangible business outcomes. Neptune Software offers with its Neptune DXP, a leading low-code, SAP-centric, enterprise app development platform to digitize and optimize business processes and user interfaces – at scale and with ease. Neptune DXP provides a fast and cost-effective way to industrialize the development of custom applications - saving companies time and money on development, integration, and operations. More info at: www.neptune-software.com

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