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Business Domain

Automotive and Manufacturing

Project Type

Mobile Application

From Traditional to Transformed: How a Mobile App Boosted Efficiency by Over 50% and Saved Significant Costs for a Swiss Chocolate Factory

Client

The Client is a Swiss chocolate factory that is modernizing its processes.

Project

Developing a mobile app for monitoring stock in the factory warehouse, allowing to collect data on stock items by scanning a QR code.

Objective

To build a mobile application, which allows for monitoring the level of stock in the warehouse and its condition using a QR code.

Team Reinforcement

The Client lacked in-house expertise to develop a high-quality mobile app and turned to the Intetics Remote In-Sourcing® model, which brought together highly-skilled team committed to delivering the innovative solution.

Challenge

A Swiss chocolate factory aimed to modernize its processes with a mobile app for inventory tracking. The Client wanted to save resources and staff time, simplify operational processes, and have improved data accuracy by launching a solution.

The Client's business goals were to improve efficiency and accuracy in their warehouse operations, reduce costs by optimizing inventory levels, and increase customer satisfaction by ensuring that stock is always available.

The Client approached Intetics because they did not have the expertise and resources to create a high-quality and reliable solution.

Quick Facts

- ✓ QR code workflow
- ✓ Supporting, upgrading, and adding new features to the app
- ✓ The app is GDPR-compliant

Technologies

MS Azure / IoT / TypeScript / JavaScript / C# / DMS / Microsoft SQL / .Net / React Native / Zxing(QR) / Microsoft Azure IoT Hub

Solution

★ 01

Customer satisfaction and sales were increased by reducing the risk of stockouts and errors.

★ 02

A cross-platform framework, React Native, ensured the app's compatibility with different mobile devices and OSs; this helped optimize UX by providing a consistent look and feel across all devices.

★ 03

The application uses a QR code scanning library, ZXing, to accurately scan QR codes.

★ 04

The App was integrated with an IoT platform, Microsoft Azure IoT Hub, to ensure that each scan accurately captures the location and quantity of the item.

★ 05

Intetics chose the Remote In-Sourcing® model to enable the Client to increase their business efficiency.



Client Reference



Thanks to Intetics' Remote In-Sourcing® model, we quickly received a mobile app for inventory tracking, which allowed us to automate resources and reduce the staff time on inventory management, as well as to have improved data accuracy.

Benefits and Results

- ★ The App identifies and addresses inventory issues, such as excess or obsolete stock, in addition to tracking and recording the movement of goods.
- ★ The solution allowed for enhanced data accuracy and efficient process automation.
- ★ The Client's business has increased productivity by 50%, reducing costs and time.

Techstack:

MS Azure, IoT, TypeScript, JavaScript, C#,
DMS, Microsoft SQL, .Net, React Native,
Zxing(QR), Microsoft Azure IoT Hub

Team:

Project Manager, Business
Analyst, Software Architect,
UX/UI Designer, Front-end
and Back-end Engineers