XB Software

We have successfully completed over 150 projects in 65+ countries across the globe. The majority of our clients reside in the United States, Canada and the European Union.
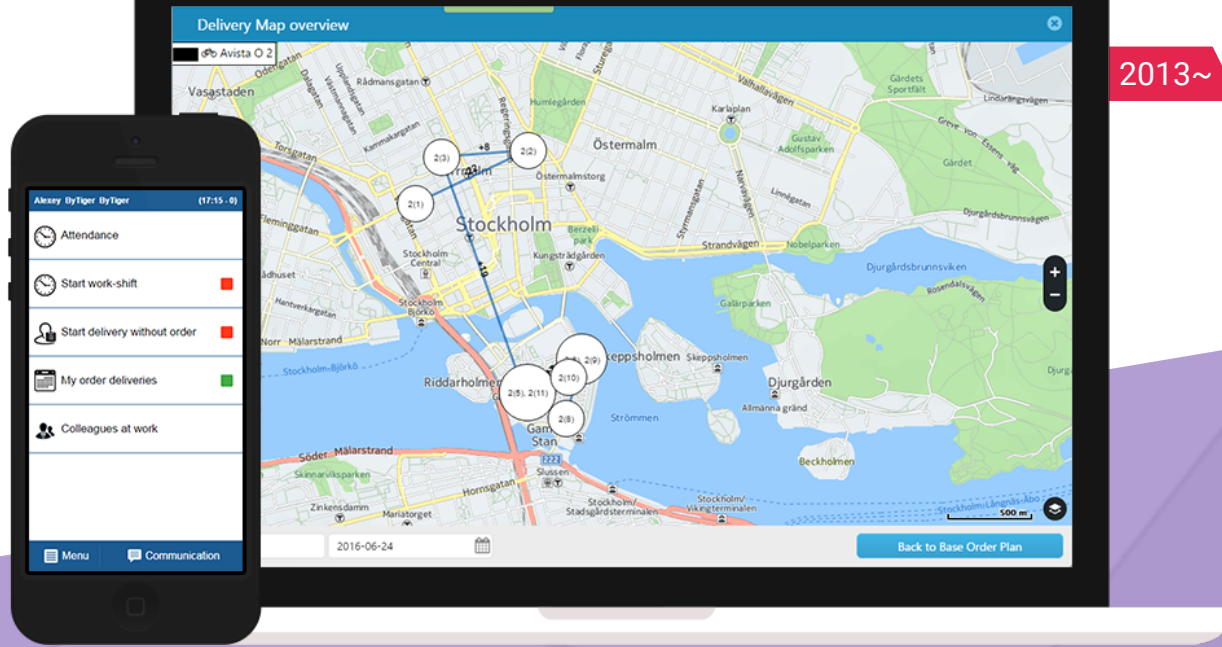
Workforce and Facility Management Suite

A powerful application created to administer workflow in companies that provide social services, starting from contracts creation, staff time management and completing with reports on working hours and implemented work using mobile devices.

Business Challenge

The client requested a smart workforce and facility management suite that would allow simple management of customers, contracts and orders as well as short and long-term planning of work-shifts and activities in the company. It should visualize the major KPI to facilitate decision-making process.

The required system should also provide extensive reports that would cover employees' working time and deliverables. The developed suite had to demonstrate simplicity, flexibility and high performance. Besides, it should include NFC technology, enabling users to exchange data between their smartphones and other devices bringing them in close proximity with each other. Another task we had to implement was to add a mobile module with offline-mode support and enable sms and email notifications.

Solution

XB Software team produced a user-friendly and effective solution for managing the daily production of the company in accordance with the client's requirements. We built the app as a SaaS solution for better workforce management and instant accessibility of the system via browser.

By using PhoneGap we managed to create near-native user experience, letting the developed app run flawlessly on smartphones and tablets, and also enabled NFC-tags support.

We visualized over 15 different KPI graphs for data interpretation using HighCharts.

The solution integrated Nokia maps to provide employees' geo location and track their paths between the destination points. It also visualizes estimated time left to reach each destination point.

The app itself is built using Webix JavaScript UI library. To export files in Excel Node.js was used. Planning was implemented using dhtmlxScheduler – a js component for building schedulers and calendars. The scheduler control was integrated to track orders delivery to customers. It allows setting and monitoring planned start time, actual start time, planned duration, actual duration, and actual end time of each order delivered by the performer.

Other applied technologie include PhantomJS, PHP, JavaScript, MySQL.
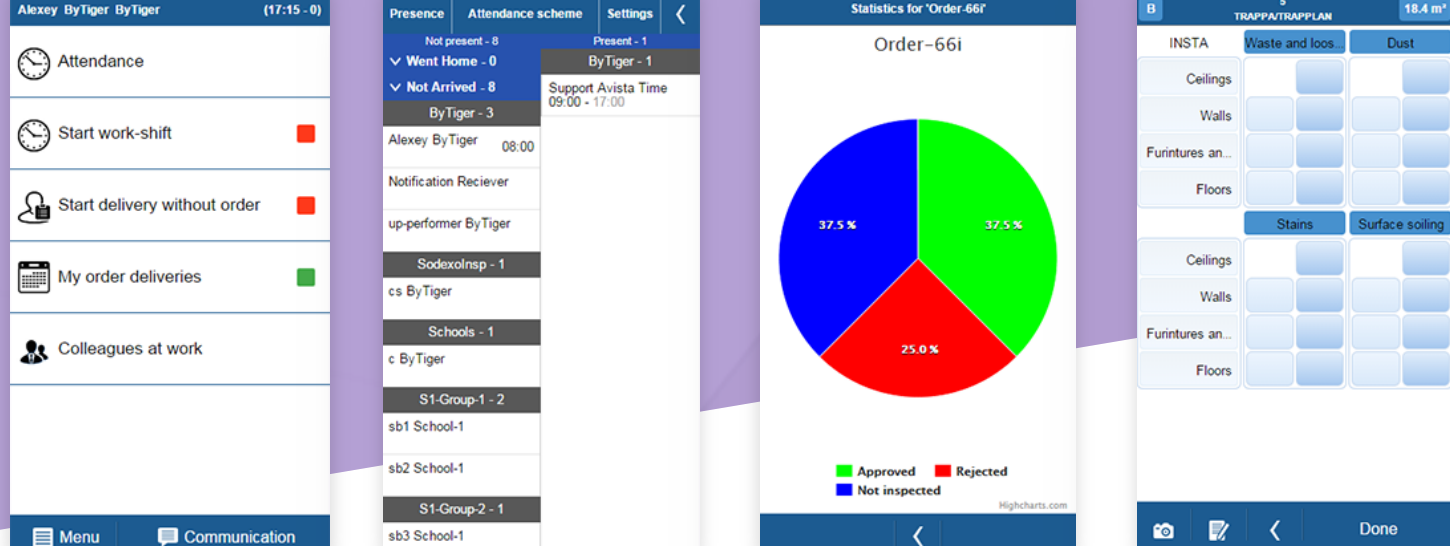
Applied Technologies

Duration

3.5+ years
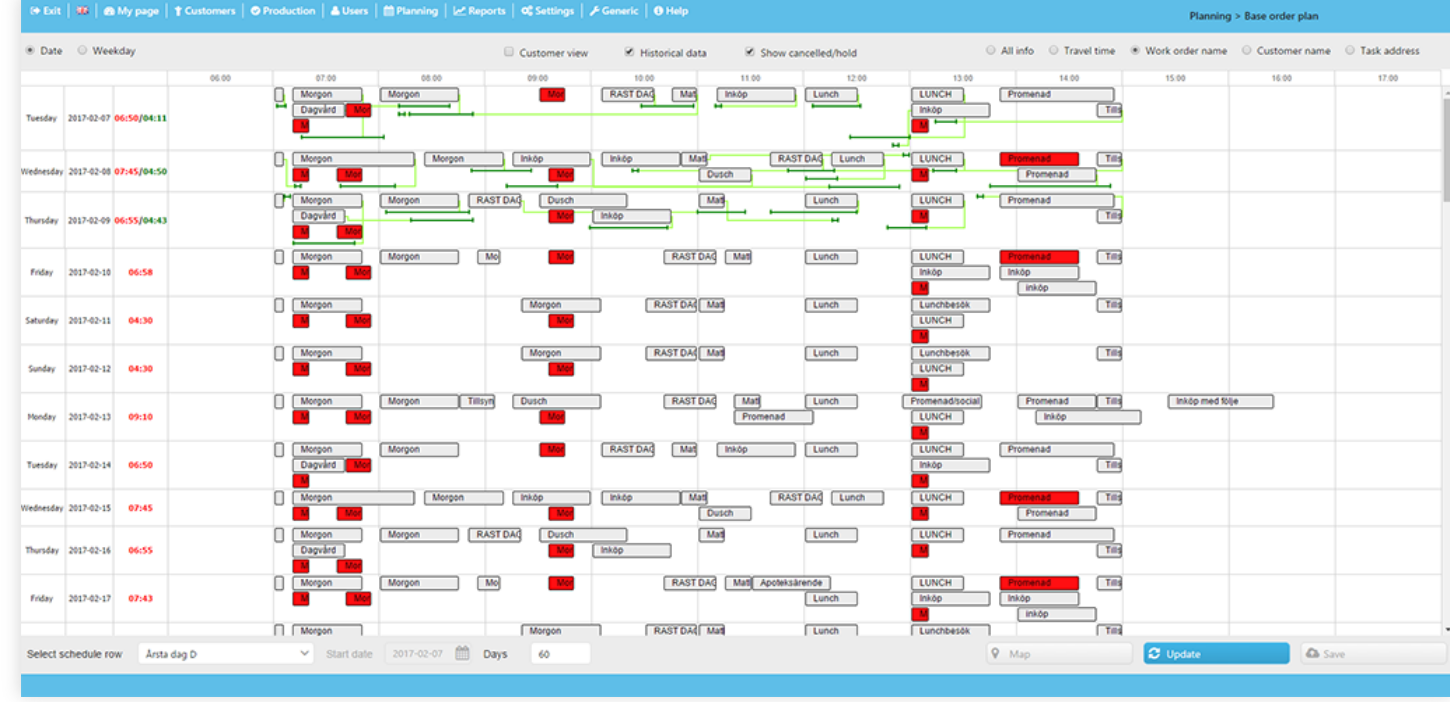
Estimated man-hours

17 000+

Result

We developed a web based solution that allows creating effective workflow schemas, visualize work-shifts and activities in a simple scheduler. The developed system supports mobile devices and provides a flexible modular structure. It is an excellent tool to schedule work, register time when work shifts begin and end, and monitor work implementation.

The system is designed to support DS/INSTA 800 Cleaning Standard.

Customer

A Sweden company producing smart process apps that support service activities and improve colloborative service processes.