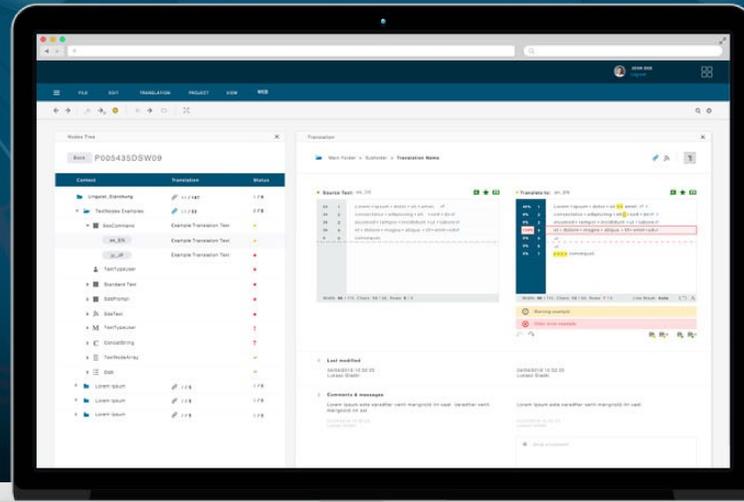




Human Machine Interface

Case Study



CHALLENGE

Our customer is one of the leading car manufacturers worldwide. Its leading brands and its extensive offering in various segments of passenger cars and commercial vehicles are represented in almost every country in the world. Thus, the board computer of every car is required to present user interfaces in the specific native language of the market. Therefore, all texts appearing on the cars' displays need to be translated into many languages. The translation process is very complex, and in terms of technical and management perspective, quite challenging. High quality of translations is required to ensure that texts appear correctly on different-sized screens. Autorun designed and developed functionalities for width calculation, spelling- and punctuation check as well as insertion of unusual characters. Every feature supports over 100 languages, including languages written from right to left like Arabic or Japanese.

SOLUTION

Generating translations for a single vehicle requires 50+ specialists. For the purpose of effectively managing the large number of employees, multiple management functionalities were added. The translation process is now managed easily with the help of a project dashboard, which comprises statuses for the whole project and the progress of every single text. In addition, various reports can be generated and exported into multiple file formats. Autorun was employed for the conception, planning and development of the software. A team of 9 consisting of UX designers, software architects, front-end and back-end developers as well as a project manager and SCRUM master, designed the complex, at the same time use-friendly web application. Throughout the whole project lifecycle, agile development methods (SCRUM) were carried out. The result is a user-centric software that supports and simplifies the client's work. The technologies used include Java, Angular 2+, Microservices, Hazelcast and Postgress.

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PROJECT OVERVIEW

- COUNTRY**
Germany
- INDUSTRY**
Automotive
- TIME PERIOD**
2017 - 2018
- SOFTWARE**
Web-App
- TEAM**
Project Manager, UX Designer, Architect, FE/ BE Dev, SCRUM Master
- TECHNOLOGIES**
Java, Angular 2+, Microservices, Hazelcast, Postgress