



DIGITAL SUCCESS STORIES - CELEBRATE WITH AXSOS

INTERFACE BROKER FOR ORCHESTRATION OF INDIVIDUAL APPLICATIONS TO THE ERP-SYSTEM AND FINANCIAL ACCOUNTING



As an original Swabian construction company, Gottlob Brodbeck GmbH & Co. KG knows about the importance of the region. It has made the company what it is today: a strong company where care is always the focus of attention - this is noticeable to the customers in the willingness to perform. As a family business, Brodbeck has developed a great deal of know-how and experience over many years, which has been anchored in the minds and hearts of its employees. This is how Brodbeck became the benchmark in the Swabian region for construction projects. A region that Brodbeck has helped shape through many highly specialized projects.

With the introduction of a new ERP system, the Interface Broker project was born. The goal was to fully automate partially automated interfaces. The industry applications to be integrated range from resource planning, the in-house gas station, TollCollect to the concrete plant. Thus, for example, every single refuelling process with individual charge rates, every load of concrete and every truck trip per project is systematically orchestrated.

FULLY AUTOMATED TO SUCCESS

The interface broker now operates this sensitive area fully automatically and at the same time enables the respective specialist departments to control and monitor these tasks autonomously. This diversifies risk, minimizes the susceptibility to errors and requires know-how in the required areas.



A TOOL THAT COMBINES SAFETY & COMFORT

FACTS AND FIGURES OF THE PROJECT

The main application of the interface broker was realized with the digitization platform AXON Ivy and the frontend with Java Script. The technology stack consists of:

- Digitization platform AXON Ivy
- Primefaces
- Progress, MS SQL Server and JDBC database

INITIAL SITUATION

The lack of automated interface synchronization posed several challenges. For example, manual imports and exports for further processing from the individual subsystems could only be carried out by a few IT-experts. The knowledge required by the business departments to process the various data had to be built up through intensive cooperation with the IT-department and had to be updated repeatedly in a resource-intensive manner. With the introduction of the new ERP-system, the opportunity was taken to raise these critical and time-consuming tasks to a new standard that ensures the easy integration of additional applications.

SOLUTIONS

The central requirement of the project was to orchestrate the interfaces to be operated from five applications fully automatically, to monitor them centrally and to create a simplified parameterization of the interfaces. A clearly structured dashboard depicts all relevant details. The aspect of user-friendliness was also taken into consideration: A logical design was created that allows the business users to make quick modifications in case of change requests - naturally under the aspect of a role and rights system that protects sensitive areas. The configuration of execution times and individual e-mail notifications provide security and convenience. For Brodbeck, the result is a powerful tool that orchestrates a wide variety of areas and applications and thus provides the basis for holistic corporate management: From the fueling process to the truck toll, to data from the concrete plant and its accounting assignment on a project basis.