Complex Reference Data Management

The task

Development of an innovative standard application to systematize and compress complex reference data for global use.

The customer

Our client, a global logistics company, manages its product offering with our complex data reference management tool. The most important data managed are the transit times between recipient and sender and the last pick-up time to reach the planned transit time. Customers use this information to compare different network operators. Usually, the forwarding agent with the fastest transit time is selected.

The current situation

The management of this information, which is carried out at individual postcode level, is one of the main tasks in a global network. More than a thousand employees are involved in this task, which affects several management and functional levels such as marketing, sales and operations. The system supports the management of data and the basic workflow (approval process, dual control principle, data validation compared to actual runtimes).

The implementation of the task

BusinessCode has compatible bases to realize this requirement with WEB 2.0 AJAX technology. The application components that support data entry and validation include

Data grids similar to Excel spreadsheets, which include component copy and paste, filtering and sorting
- Data validation not only on the level of a single component, but also on different data sets
- Access authorization for individual components, columns or rows.
- Data Export and Upload
- Proposals for improving data based on operational data

All these functions are implemented in the web application on the client, so that the user can work as in a stand-alone application. The application also enables the visualization of data using maps to identify relationships, variances, and trends that are not immediately visible in the data table. Users can also edit the data in the map directly. The system automatically synchronizes the basic data view. Today, our complex data reference management tool is used by more than a thousand users and provides data for key internal systems and for communication with the customer.

The result

With the successful introduction of the application, various legacy systems and local governance processes could be replaced.

IT for future

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