

## OVERVIEW //

### The customer

The customer is a Swiss multinational manufacturer of flavours, fragrances and active cosmetic ingredients.

### The project

A database solution was developed for the customer to centrally manage their suppliers 'responsible sourcing' data. The processes involved were also automated, saving the customer a substantial amount of time and money.

### Key project figures

Project team: Three employees  
Time period: February 2020 to today  
Launch: April 2020

### Technologies used:

- » Java8
- » AngularJS
- » Spring
- » Hibernate

### adesso Schweiz AG

As an independent consulting and IT service provider, adesso provides consulting and software development services to ensure your projects are successful and your applications are future-proof. Our mission is to optimise core business processes through the targeted use of cutting-edge IT. In doing so, we focus on being close to our customers and adapting to their needs.

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## COMPANY IN THE FLAVOURS AND FRAGRANCES INDUSTRY //

### 'MANGO' WEB APPLICATION

### Initial situation

The customer was using Microsoft Excel sheets to manage its suppliers 'responsible sourcing' information. This approach resulted in an overhead and made the data difficult to manage. They needed a database to use their data more effectively.

### The solution

Mango is an application for managing the 'responsible sourcing' data of the customer's product supply chain. This responsible sourcing data refers to the supplier's origin and the naturality of materials they are selling to the customer. To ensure that these materials have been sourced responsibly, the supply chain data related to the materials is tracked and reported. An overall process helps the customer check a material's naturality and whether it has been sourced responsibly.

The Mango application was developed on the basis of a modular application framework (adNucleus) that was built on open-source libraries. The adesso development team used the latest Java technologies to create the web application, allowing them to drastically reduce the amount of boilerplate code. As a result, the development team saved time and was able to focus on the business needs of the customer.

The adesso team successfully deployed the application on the AWS cloud infrastructure, and also created a new look and feel using AngularJS and extended functionalities.

They followed an agile and iterative process model based on SCRUM. The team worked with a great deal of autonomy and kept themselves highly organised. Meetings with the customer took place twice a week.

Mango was successfully launched in April 2020. adesso has been responsible for AWS hosting and application maintenance as well as the further development of the application since May 2020.

### Customer benefits

The customer can save time by centralising Excel data in the Mango database and automating processes. The 'responsible sourcing' data of their product supply chain is tracked and managed centrally, making it easier when multiple people are interacting with the data.

A new feature in Mango is currently under development that will allow the customer to send an online questionnaire to their suppliers in the future. This project provides the customer with significant help in keeping their 'responsible sourcing' data up to date.