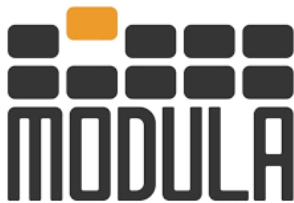# Client Reference

Manufacturing | Food and Beverage
Spare Parts Administrator | MODULA Interface

Client Background

Our client is one of the largest producers of energy drinks in Thailand and their production facility in Bangkok can produce approximately 1,560 million cans and 1,800 million bottles per year. Our client aims to be the largest producer in Thailand by 2020.

Pragma first engaged with the client in 2018 when On Key was implemented as the company's EAMS.

The client's next step was to install Modula automated spare parts storage lift modules on the production floor close to the lines.

> **Since the interface between On Key 5 and Modula's WMS system have been developed and implemented our Spare Parts Administration process has become a lot more efficient and streamlined.**

Key Challenges

- On Key 5, which is used by the client to manage their spare parts, had to be integrated with the Modula machines' WMS system so that spare part quantities and transactions could be in synchronisation between the two systems.
- An interface had to be created between On Key 5 and Modula's WMS system to integrate the following processes:
- Spare parts master data
- Replenishment of spare parts
- Issuing/returning of spare parts
- Stock takes/stock transfers.
- Challenges in the warehouse included:
- Improving the utilisation of existing warehouse space
- Being able to pick more items per hour
- Reducing the number of picking errors
- More efficient warehouse management in general.

Value Add

- Before Modula, the client's 7000 spare part item numbers in manual racks took up 300m2. Now these item numbers only take up 30m2. The free space of 270m2 can be used for new production lines.
- With the Modula units being near the production lines, technicians can quickly pick the spare parts needed to do emergency maintenance.
- Technicians are no longer dependent on a store man (especially after hours).
- Ladders and forklifts are no longer needed to reach items on the top shelves.

Pragma Intervention

- Upgrade On Key to the latest version of On Key 5.
- Redefine the Spare Parts Administration business processes to include management of the spare parts through the Modula storage units.
- Develop an interface between On Key 5 and Modula's WMS system by making use of the DELL Boomi iPaaS integration platform.
- Develop relevant training material for the client's users.
- Test and implement the integration between On Key 5 and Modula's WMS system.

Tools and Technology

- On Key 5
- Modula WMS
- Dell Boomi iPaaS platform