



Success Story

BASKET LOGISTICS IN THE PHARMACEUTICAL SECTOR



Client

Pharmazeutische Fabrik
Montavit GmbH
Salzbergstraße 96
6067 Absam
Austria



Operations Manager Marco Frischmann
Pharmazeutische Fabrik Montavit GmbH

„For challenging projects, we need partners who face these challenges together with us. In ABF we have found such an excellent partner!“

[!] INITIAL SITUATION

- ▶ Two new production lines for syringe filling were to be built in a very confined space. A basket storage system and a basket manipulation were to be designed.

[PEOPLE] CHALLENGE

- ▶ Due to the tight space situation, complete automation was unavoidable. In addition, this also resulted in special challenges in electrical planning and safety engineering.

[LIGHTBULB] SOLUTION

- ▶ An automatic basket storage system including a fully automatic transport control system was installed by ABF, including control engineering, electrical planning and installation, safety engineering and the CE declaration of conformity for interlinked systems.

[+] BENEFIT

- ▶ The operation of the plant is thus not only stable and fail-safe, but also absolutely traceable. The system installed here meets the high international requirements of the pharmaceutical industry using extremely low space and personnel resources.





BASKET LOGISTICS IN THE PHARMACEUTICAL SECTOR

The Tyrolean family business Montavit has been researching, developing and producing pharmaceutical products in the fields of urology, gynaecology, allergy therapy and herbal medicines in Absam for about 75 years. The reliable efficacy of the products is appreciated internationally - the products of Montavit are available in over 80 countries worldwide. For the conception and installation of the basket manipulation on two production lines for the filling of Cathejell gels into unique concertina syringes, the company ABF was commissioned as the supplier of a transport control system, in addition to the plant and special machine manufacturer SPS Technik GesmbH.

For the two production lines, the logistics and manipulation of the baskets in which the special syringes are temporarily stored in their packaging blisters and transported for sterilisation has a central function. ABF's scope of services in this project includes the areas of basket storage, basket filling, autoclaving and basket emptying before the final packaging of the finished product.

With the help of a PLC program (Siemens S7) supplied by ABF, the fully automatic control of the basket transports with the crane systems and the entire conveyor technology is carried out on the basis of the most modern OPC UA method calls. The warehouse management and the entire transport control system are carried out with

the superordinated **OneBase**[®]MFT software developed by ABF, and new benchmarks could thus be set.

In addition to the control system, ABF also carried out the electrical planning and installation of the plant. Furthermore, the development of a safety concept to exclude potential sources of danger was essential. This was also designed and implemented by ABF to integrate safety fences and doors, light grids and emergency stop functions. The status of the facilities can now be checked at any time in the ABF visualisation. CE conformity for the interlinked system was also issued by ABF for the areas included in the project's scope of services.

Thanks to the combined use of ABF control, electrical and safety technology and the use of ABF's **OneBase**[®]MFT software, nothing stands in the way of trouble-free basket manipulation. The managing director of Montavit, Dr. Oswald Mayr, confirms the success of the entire project and is visibly satisfied with ABF's performance: „In ABF, we have found a reliable partner who was able to contribute all the necessary competences that were required for the realisation of this project“.

ABF GmbH | Deggendorfstraße 6 | 4030 Linz
+43 732 30 40 30 | office@abf.at | www.abf.at

