



Sector: E-Commerce | Solution: Goods-to-Person picking

Case study

Decathlon increases picking efficiency with the Goods-to-Person system from Geek+ in combination with RFID



The Customer

Founded in France in 1976, Decathlon is a professional sports goods retailer specializing in the mass sports market, integrating the entire product chain, from design and development to production, logistics, and retail. With more than 1,500 stores in 49 countries, Decathlon is the world's largest sporting goods retailer.

- The project area covers over 3,800 square meters with 71 P800 robots, 7 picking stations, and 7 individual stations.
- The total inventory of the warehouse is almost 450,000 parts with more than 20,000 SKUs.

The Challenge

Given the rapid growth of Decathlon's e-commerce business and the high number of SKUs, manual picking was not efficient enough. To achieve its business objectives, Decathlon needed to achieve greater efficiency in the flow of goods, a better picking rate, and more efficient and accurate warehouse processes.

The Customer Benefit

- Shipping capacity increased to 40,000 pieces/day.
- Picking efficiency increased to 300 pieces/h, three times the manual picking rate.
- In combination with RFID technology, picking efficiency and accuracy has been improved even more significantly.
- Innovative use of RFID: automatic inventory process to further improve inventory efficiency and accuracy, increase storage capacity and simplify warehouse management.
- Single-point stations were introduced to save space and make the operation more flexible.
- Based on the successful project implementation and economic optimization, experiences and synergies are being used to automate Decathlon's warehouse and distribution centers with Geek+ throughout Europe.

The Solution

Geek+ developed an innovative storage solution for the huge Decathlon warehouse in Shanghai:

- A pick & place picking and inventory system based on RFID technology.

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