

Optimize logistics efficiency through smart loading

Dynamic loading instructions through augmented reality, and validation of the correct loading in real time.

THE CHALLENGE

Schaeffler wanted to optimize the filling rate of the big boxes used in their transport. To tackle this, a dynamic box-filling calculation software linked to an operator guidance system was required. Since Arkite is specialized in operator guidance using augmented reality projections, Schaeffler decided to start collaborating with Arkite.

THE SOLUTION

Schaeffler provided their augmented reality solution with real-time validation. Based on X-Y-Z coordinates provided by the 3rd party software (calculation tool), they indicated through augmented reality projections the correct position of the boxes within the big boxes. They made an additional development that compensated for the projections in a 3D environment.

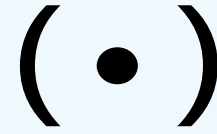
IMPACT

As a result of the project, Schaeffler could now conclude the augmented reality instructions and validations. The software to calculate the optimal packing is still under development at Schaeffler. The next step is to implement the pilot and then have a roll-out in production in Q4 2023.

ARKITE

Arkite's platform reduces scrap and rework within manufacturing operations by transferring manual working stations into a digital and interactive environment.

Arkite is mainly targeting customers in the automotive, aerospace and defense, high-tech, and electronics industries. Their focus is on applications in business areas such as production, logistics, and training.



ARKITE

HEADQUARTERS

Belgium, Genk

FOUNDED

2015

NO. OF EMPLOYEES

11 – 50

WEBSITE

arkite.com

ACKNOWLEDGEMENTS

We would like to express our sincere thanks to Lukas Welz (Schaeffler) and Johan Smeyers (Arkite).

CONTACT FOR THIS PROJECT

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STARTUP AUTOBAHN powered by

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ABOUT STARTUP AUTOBAHN

STARTUP AUTOBAHN powered by Plug and Play is an open innovation platform that provides an interface between innovative tech companies and industry-leading corporations. The basis of the program is the partnership that develops between startups and the corporate business units. The two entities hold an equal footing from the get-go: together they evaluate the potential for a joint venture, move forward to pilot the technology, and work to achieve the ultimate goal – a successful production-ready implementation. Designed with the intention to exceed startup acceleration, STARTUP AUTOBAHN powered by Plug and Play moderates a community for collaboration with a focus on implementable results. Over the years, the platform has successfully cultivated over 400 projects with more than 300 startups since its founding in 2016.