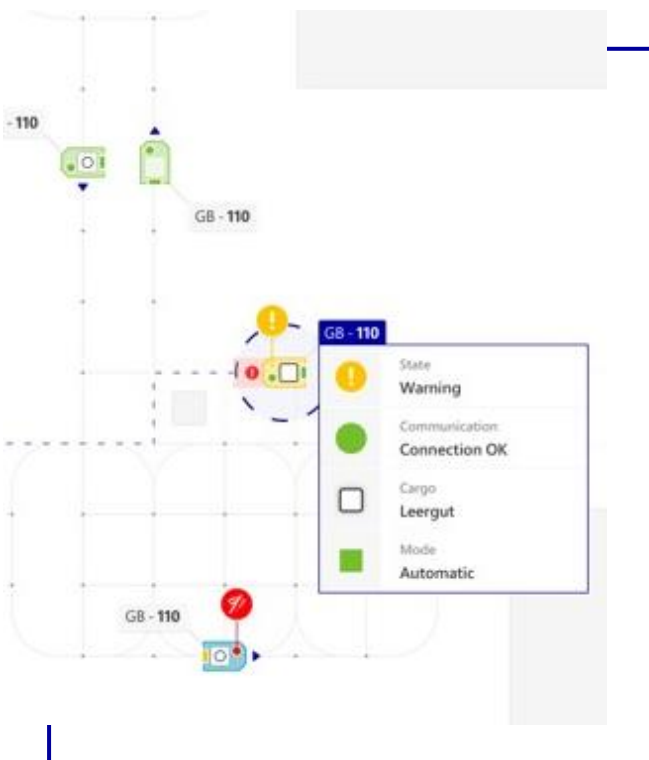


Enabling goods-to-man at Faurecia production

The Customer is facing challenging and increasing requirements in his Just-in-Sequence (JIS) production plant regarding the number of product variants. Based on a 60-second cycle time, internal orders must be pre-planned, optimized, distributed and executed at a high frequency. The

requirements could only be fulfilled with a fully integrated automated guided vehicle system (AGV). A successful implementation was achieved through the end-to-end MHP approach for AGV projects including the 5 phases: **Analyze, Simulate, Specify, Implement, Optimize & Run.**



Particularly, critical for the success was the deployment of MHP Fleet Executer*, the integration of the hardware in coordination with AGV suppliers and a solid change management process as new roles and skills were required at the customer's side.

** Fleet Executer on Azure enables you to manage your AGV fleet regardless of the AGV producers, communication protocols, drive or positioning technologies.*

MHP – A Porsche Company, Faurecia SE & Microsoft Azure

Customer Challenges

The Customer is facing challenging and increasing requirements in his Just-in-Sequence (JIS) production plant regarding the number of product variants. Based on a 60-second cycle time, internal orders must be pre-planned, optimized, distributed and executed at a high frequency.

Partner Solution

The requirements could only be fulfilled with a fully integrated automated guided vehicle system (AGV). A successful implementation was achieved through the end-to-end MHP approach for AGV projects including the 5 phases

Analyze: Manufacturing framework, IT-architecture, initial assessment, ROI Assessment

Simulate: Process design, layout definition, results report, comparison

Specify: Navigation- & battery technology, charging concept, GUI and Infrastructure at PU and DD stations

Implement: Connectivity and network, layout and GUI, SW* & HW installation, system integration, trainings, go-live

Optimize & Run: System stabilization, data gathering and analysis, quality and efficiency routes, support

Particularly critical for the success was the deployment of MHP Fleet Executer*, the integration of the hardware in coordination with AGV suppliers and a solid change management process as new roles and skills were required at the customer's side.

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**+ 20%
Efficiency**



**< 18 months
ROI**



**Scalable &
hardware
independent**