

MHP FleetExecuter

Offering Type

Consulting Service

Offering Description

The MHP FleetExecuter allows customers to command & control fleets of AGVs (Automated Guided Vehicles) to govern entire production and/or material flows in shopfloor and supply chain settings. This enables centralizing interrupted and fragmented production processes in manufacturing, as well as overcome incompatible and siloed IT systems of transport providers. Furthermore, the MHP FleetExecuter's backend is implemented AWS cloud-native and can replace hard-to-manage, difficult to scale (or change) systems hosted on premise.

The backend leverages AWS IoT Core and AWS IoT FleetWise for AGV fleet management and offers a REST-based API for integration with e.g. existing ERP, ME, MII or AAS solutions within the scope of a digital twin. Deployment and operation can be done by the customer in a self-managed AWS account or by MHP in scope of the MHP Foundation.

Offering Selling Proposition

- Knowledge and implementation of the whole process from modelling to simulation to deployment in the cloud
- Transforming AGV units and fleets from manufacturer-specific silo systems to an independent operating platform
- Complete scalability on the shop floor across multiple plants
- Quick provisioning due to cloud-native design and highly resilient due to microservice architecture powered by AWS
- Deployment and operation in a customer's own AWS account or by MHP as a service in scope of the MHP Foundation

