

# MHP Supply Chain Monitoring

## Offering Type

Consulting Service

## Offering Description

MHP assists customer in planning, designing and implementing end-to-end supply chain monitoring solutions leveraging the AWS Cloud and AWS IoT services, in order to guarantee a full visibility and traceability throughout a customer's supply chain. This is done, by e.g. employing NFC and GPS sensors that constantly transmit the location and pass-throughs of any kind of cargo to a connected gateway. The gateway, in turn, can transfer this information to the AWS Cloud, where a backend for processing and anomaly scanning, as well as presentation of the data in a single-pane-of-glass fashion can be implemented with MHP's help. The backend by default leverages AWS IoT Core and AWS IoT Analytics for capturing and analyzing all ingested data as well as Amazon QuickSight and/or Amazon Location Services for visualizing it. Different AWS services or 3rd party software can be used upon customer request. MHP can further assist in advising on and procuring the necessary sensor and telemetry equipment. Deployment and operation of the AWS Cloud backend 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 modeling to deploying to the cloud
- IoT hardware like sensors and gateways as well as the actual sensor and telemetry equipment can be procured and set up by MHP
- Single pane of glass for monitoring the complete supply chain in form of a cloud-dashboard
- Deployment and operation in a customer's own AWS account or by MHP as a service in scope of the MHP Foundation

