

Holistic Supply Chain

Connecting your Supply Chains with Digital Twin and AI-Technology

**Creating Resilient and Agile Supply Chains
based on near real-time Information Sharing**

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Supply Chain Consultancy

Supply Chains (SC) have been and will be subject to sudden disruptions causing significant damages to business operations and financial results. Avoiding all consequences is an utopia, it definitively is possible to reduce the impacts drastically once correct and near real time information is available

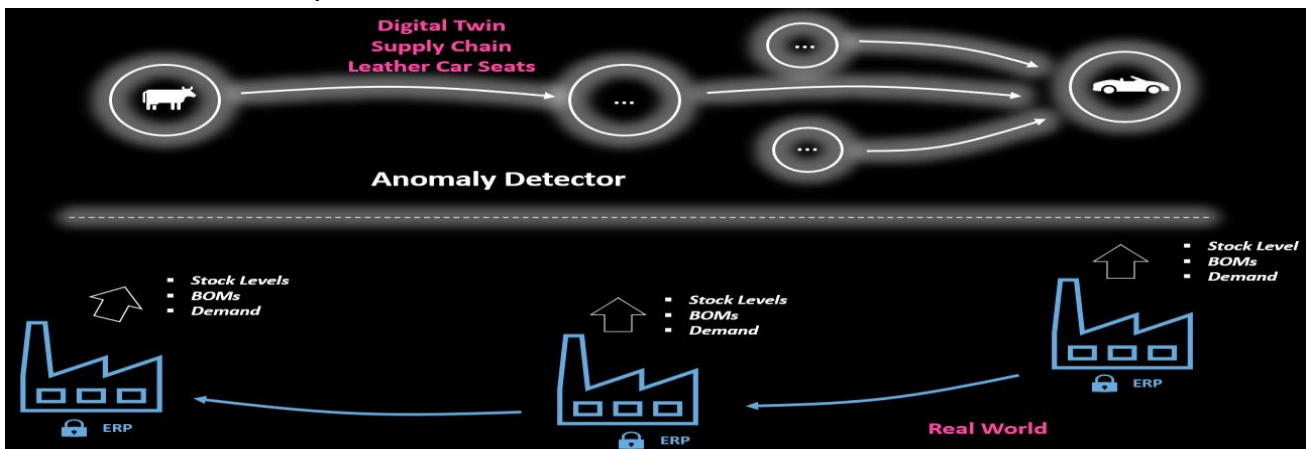
Artificial Intelligence (AI) and Digital Twin Technology offer new solutions to address this

The Issue:

Even in current day high-tech environments sharing information amongst SC-members does often not go beyond ordering materials. Common heard arguments are that original customer demands and stock levels are not relevant for suppliers, they just should deliver what has been asked for

Consequently, SC-members are **blind on events happening in their chain, act like islands**, and are subject to **Bullwhip-Effects** (amplified demand swings) and **too much stock levels**. Moreover, in case of a **SC disruption**, sharing relevant informant information (final customer demand and stocks in the chain), becomes an **almost impossible mission under very high time pressure**

A well set up **SC Digital Twin combined with AI** will **reduce demand swings, lower stock levels (cash flow improvement) and creates Resilience & Agility** in case of disruptive events as crucial information of the complete SC is available on a near real-time basis



Supply Chain Consultancy Solution:

The Holistic Supply Chain Cloud solution from IT and Management Consulting company BearingPoint GmbH offers such **Digital Twin solution combined with AI functionalities**. An **Anomaly Detector** detects demand swings out of specified borders and shows stock levels across the SC. By using Customer Demands and Stock Levels the Cloud solution offers near real-time information in case of disruptive events

Supply Chain Consultancy Methodology:

By making a **copy of the SC in the Cloud** receiving data from multiple systems in a **non-invasive way (data uploads only)**. Bill of Materials (BOM) are used to set up a transparent picture of both Customer Demand and Stock Levels across the SC

Interested? Contact us under jelle.van-der-haak@supplychainconsultancy.at

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