



EyeOn product data engineering

The Supply Chain Data Sensor paves the way for Smart Touch Planning

To the core of the smart touch supply chain

We are counting down to the launch of the autonomous car. Enabled by 360-degree sensors, location awareness and decision-making neural networks.

Analogous for supply chains, sensors for real time stock visibility, AI driven forecasting & demand sensing and pattern recognition-based supply decisions are seeing strong adoption as leading companies are building the self-driving supply chain.

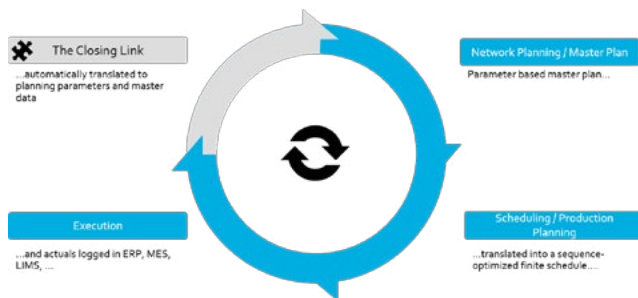
But what good are advanced sensors to a supply chain, when it doesn't know its speed, its mileage or 'mean time between failures'?

In comes Supply Chain Data Sensing. Bridge the ambition for a self-driving supply chain with the reality of dispersed data, multiple ERP platforms and organizational boundaries. Supply Chain Data Sensing brings:

- Fast data aggregation
- Automated pattern-based data cleansing and enrichment
- Autonomous determination of the true supply chain parameters

Supply Chain Data Sensing closes the last part of the planning loop: to feed the (self-driving) supply chain with the most accurate information on the capabilities of the 'car'.

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Automated Data Cleansing and Enrichment is data aggregation on steroids. When gathering data from multiple systems of record to feed a planning system, information is combined and enriched automatically. For example, incomplete SKU information from the ERP is augmented with information on the same SKU from the Manufacturing Execution System. This process decimates the need for time consuming master data corrections. And in cases where it is required, Automated Data Cleaning and Enrichment will be the trigger for addressing inconsistencies. Over time the master data improves as it learns every cycle.

In project, engineering and assembly environments, for example, the most accurate bill of material can be maintained automatically based on logs of consumption. Master data maintenance is reduced to manage by exception.

In multi-channel consumer goods supply chains, the customer master can be automatically generated and augmented by scraping public information like addresses.

Why stop at master data? The systems of record hold a wealth of information on supply chain execution, safely kept from prying eyes caused by a lack of connection. Autonomous determination of the true supply chain parameters brings this valuable

information to the surface. Deploying pattern recognition and model fitting techniques akin to the ones used for statistical forecasting, the most accurate supply chain parameters like lead times, yield and run rates are determined.

In pharmaceutical, medical device and food processes for example, quality lead time is a significant factor in total lead time. Not only the lead time variability itself, but also the chance of initial rejection and final release after retest. Rather than using estimated or agreed SLA-type lead times, the actual release logs can be used to automatically set the correct quality lead time at product level and as a highly accurate supply variability component for MEIO calculations.

Interested?

Curious how EyeOn can help automate your supply chain to autonomy? Contact us:

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Our promise

We apply proven innovations on forecasting and planning. We approach our client's challenges in the most pragmatic way possible. We deliver results by knowledge and turn challenges into opportunities. This is how we develop and implement fit-for-purpose improvements with impact.