

Live Enterprise – Cognitive Manufacturing

Function:
Manufacturing

Processes:
Production, Contract Manufacturing

Industry:
Consumer & Industrial Products (C&IP) –
Automotive; C&IP – Industrial Products &
Services; Life Sciences; Technology, Media &
Telecommunications

Business Driver

Utilizing advanced analytics to build out supply chain models can

- Provide a clearer picture of output
- Highlight capacity utilization within manufacturing locations
- Provide real-time visibility from each location
- Allow dynamic lead time consideration during each production run



Solutions Overview

The Live Enterprise solution, built on top of SAP® Leonardo and Internet of Things (IoT) capabilities, provides visibility to data values with dynamic updates. This enables real-time insights to product lead times as well as line utilization for finished good production.

Features

Visibility to “true” product lead time and capacity

- Utilize real-time production runs to validate and update lead times for finished goods
- Better understand line capacity in order to adjust production sites to ensure full volume produced

Increased visibility to contract manufacturing locations

- Real-time integration to contract manufacturers, providing more accurate insight into which locations to utilize for production
- Generate actionable plans within SAP S/4HANA® and IBP to re-plan production based on real-time production insights

Ability to shift production due to constraints

- Gather insights and provide recommendations to transfer production to other valid manufacturing sites

Potential Benefits

- Improved decision-making on production locations based on real-time information gathered from manufacturing sites
- Accurate production lead-times allowing better planning, inventory management, and sales order confirmations
- Ability to adjust and predict product throughput, ensuring full volume of product is produced as expected
- Better integration from manufacturing location in order to optimize production runs and run lines at higher capacity



IoT

- Real-time data updates for more accurate production integration
- Monitor and capture production output at most detailed level



Machine Learning

- Lead time and capacity recommendation based on historic information



Analytics

- Geographical dashboarding
- History and trend analysis



Core SAP

- Production planning integration
- Order management

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