INTEGRATION OF ACTIVITIES ALONG THE **INTELLIGENT SUPPLY CHAIN**

The only constant in today's world is CHANGE. Organizations' outlook for the future is an increasing level of volatility, uncertainty, complexity and ambiguity. Companies today constantly and consistently need to CREATE their own competitive advantage which can adapt and change by complimenting different aspects to complete each other. Innovative technology and the integration of steps along the production-to-consumption cycle can help these organizations jump a step ahead of their competitors.

Capgemini SAP CoE and the SAP Innovation Centre puts innovation as part of its core in providing differentiated and value-adding solutions to its clients. Our Intelligent Supply Chain kit brings about the integration of the most critical activities on the supply chain, maintaining quality standards, capacity management and real-time monitoring of the goods in transit.

You may ask yourself:

- Can the steps on the supply chain be integrated?
- Can innovative technology be streamlined to produce effective results?
- Can the total production cost be reduced while increasing consumer satisfaction?
- Can the unanticipated delays in transit be optimized?
- Can we achieve intelligent allocation of goods in transit?
- Can we ensure quality standards and control in our perishable goods while streamlining the delivery process?
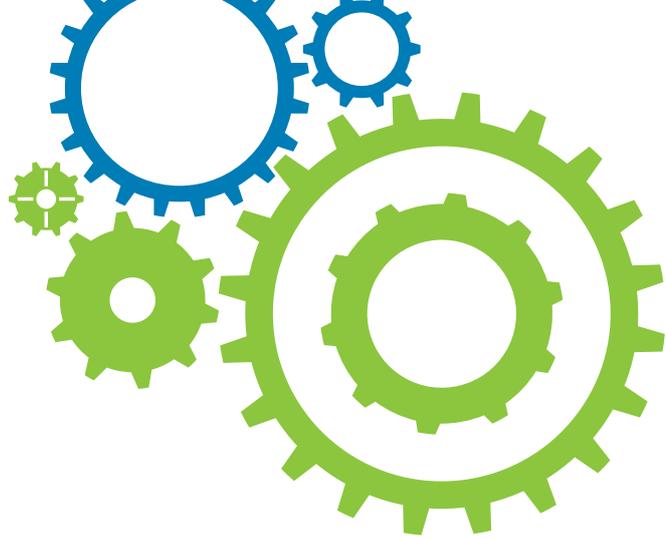
How do we make this possible?

THE INTELLIGENT SUPPLY CHAIN KIT
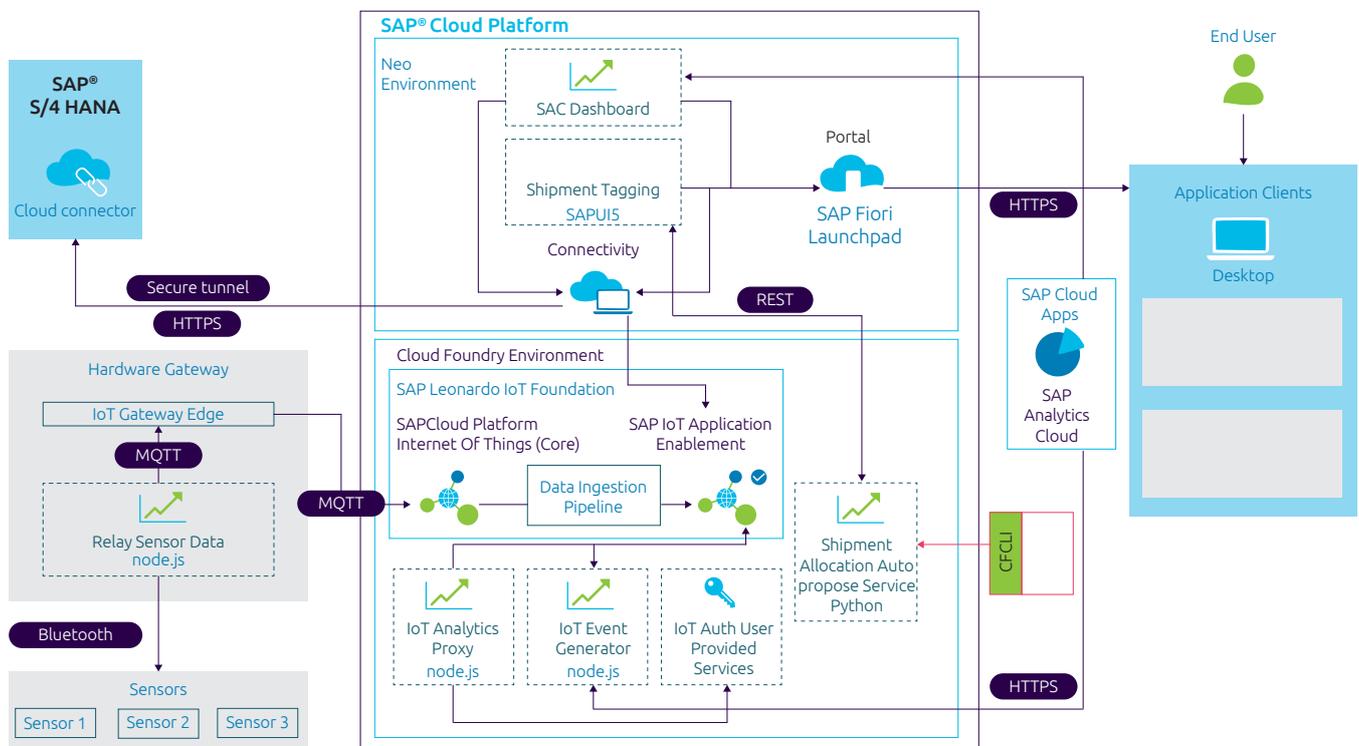
Business Problems and Value:

INTELLIGENT SHIPPING:

Optimally combining open deliveries for automatic creation of shipping documents in order to achieve effective and efficient container capacity management, timely delivery and prioritization of high revenue deliveries.

This will result in reduction of cost per cubic capacity of container and improved customer satisfaction.

COLD CHAIN LOGISTICS:

Monitoring and maintaining the integrity and quality of perishable goods so that the quality is not compromised in transit and making this visible throughout the lifecycle of the goods.

With the emergence of stricter rules and regulations in food quality, there is a great need to back-track and trace back the goods to their origin when required.

TRUSTED GOODS CONSUMER DIALOGUE:

With every partner on the blockchain, there is a digital supply chain ecosystem that is created bringing about real-time food quality history from farm to retail.

Real-time food quality history is updated and integrated into the network and a chatbot is in place wherein users can access details on the goods in transit.

Capgemini's solution:

INTELLIGENT SHIPPING:

An interactive Fiori front-end that triggers optimization algorithms based on a python script for efficient allocation of open deliveries from SAP S/4HANA to available containers (hosted in cloud platform based on IoT data). This results in automatic creation of shipping documents that are maximized with key business outcomes, i.e. , capacity utilization, on-time delivery and high revenues.

The digital board room created using SAP Analytics Cloud enables real time tracking of container positions and shipment details with the view of handling delays and exceptions.

COLD CHAIN LOGISTICS:

Monitors and measures the condition of the environment around the goods in transit to determine the temperature, humidity, etc levels with a real-time overview of the conditions.

Analyzing and reporting trends or seasonality, documenting abnormalities, if any, and controlling the conditions by making informed decisions based on all the information gathered using predictive analytics.

End-to-end monitoring to ensure measures are taken to ensure quality of goods is not compromised due to environmental changes.

TRUSTED GOODS CONSUMER DIALOGUE:

Use of blockchain to ensure every partner on the chain records an event and food quality measures are maintained throughout the transit.

From farm to retail, real-time food history is maintained bringing about transparency and collaboration between partners for quality measures.

Chatbot is in place which allows end-customers access to the product history and detailed routing maps for tracking the goods.

All these 3 components add up to create the Intelligent Supply Chain which we present as an integrated offering leveraging innovative and state-of-the-art technology that SAP offers. The blueprint of the entire Supply Chain is created and every partner (farmer, transporter, carrier, producer and end customer) can obtain efficiency through the streamlined Supply Chain.

We believe this kit brings about the following overall benefits to your firm:

1. **Cost reduction** through optimization.

2. **Improved profits** through capacity management and reduction in waste.

3. **Reduction in time** lost due to legal and other rules on quality standards.

4. **Increase in productivity** through the assurance of high quality, time-centric and undamaged goods.

Capgemini has innovation at its heart. The commitment over the last 50 years speaks for itself and at the Capgemini SAP Innovation Centre, we strive to deliver differentiation to our clients. We assist them towards creating an Intelligent Enterprise and today, we are moving forward towards providing our clients with the integration of the value-adding activities along their supply chain.

We have made possible the integration of three major activities through the Supply Chain! The Intelligent Supply Chain kit allows our clients to have a seamless and streamlined delivery of goods.

If you are..

A producer,

A transporter,

A distributor,

A consumer..

Capgemini can ensure a flawless running supply chain for you through this differentiated portfolio.

Capgemini's Intelligent Suite is developed using SAP Design Thinking and SAP Cloud Platform as a stable base for Leonardo solutions (IOT, Analytics and Blockchain, SAP Recast, AI for ChatBot and SAP Cloud ANalytics for real-time visualization of IOT data for monitoring perishable goods.

The Certification of the three accelerators allows us to give SAP clients innovation at their fingertips and assist them on their journey to the Intelligent Enterprise!

To find out more, click here or you can contact me and we can support you on your journey.

About Capgemini

A global leader in consulting, technology services and digital transformation, Capgemini is at the forefront of innovation to address the entire breadth of clients' opportunities in the evolving world of cloud, digital and platforms. Building on its strong 50-year heritage and deep industry-specific expertise, Capgemini enables organizations to realize their business ambitions through an array of services from strategy to operations. Capgemini is driven by the conviction that the business value of technology comes from and through people. It is a multicultural company of over 200,000 team members in more than 40 countries. The Group reported 2018 global revenues of EUR 13.2 billion.

Visit us at

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People matter, results count.

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