

#041 : End-to-End Supply Chain Visibility

Part 2 on Supply Chain Visibility (Part 1 – Weekly Blast N° 34)



Supply chain visibility (SCV) refers to knowing the position goods (inventory) in real time. In addition, it also covers the ability to predict various events across different entities of the supply chain.

The Need

- Risk of disruption.
- Increasing supply chain complexity.
- Changing customer demand.
- To improve operational efficiency.
- Regulatory requirement.

Potential Impacts

- Better customer access.
- Improved forecast and reduction in raw material cost.
- Improved asset utilization, service quality.
- Higher responsiveness.



Reduction in
Forecast variability
(5-10%)



Improvement in
service level
(2-5%)



Reduction in stock
outs
(18-20%)



Inventory
reduction
(5-10%)

How to Improve Supply Chain Visibility?

- Using AI to predict supply chain parameters.
- Centralized and data driven planning and execution.
- Use of supply chain digital twin.
- Supply chain simulation with ANN.
- Establishment of a control tower.
- Use of IoT.