

Supply chain Control Tower

with Real-time Data Analysis and Process Simulation
Creating a connected, integrated, resilient supply chain

BROCHURE



Abstract

In today's world, a global supply chain that runs on real-time data helps to create real time insights on the associated risks and costs.

- In the last two years, the industry has declined by 15% due to COVID
- The Suez Canal blockage roughly impacted 12% of global trade
- Chip shortage is impacting 8% automotive and consumer appliance shipment globally

Due to various natural and man-made risks, the industry needs to connect and structure the real time information, potential risk, and Impact analysis to get end-to-end transparency and visibility that can balance demand and supply.

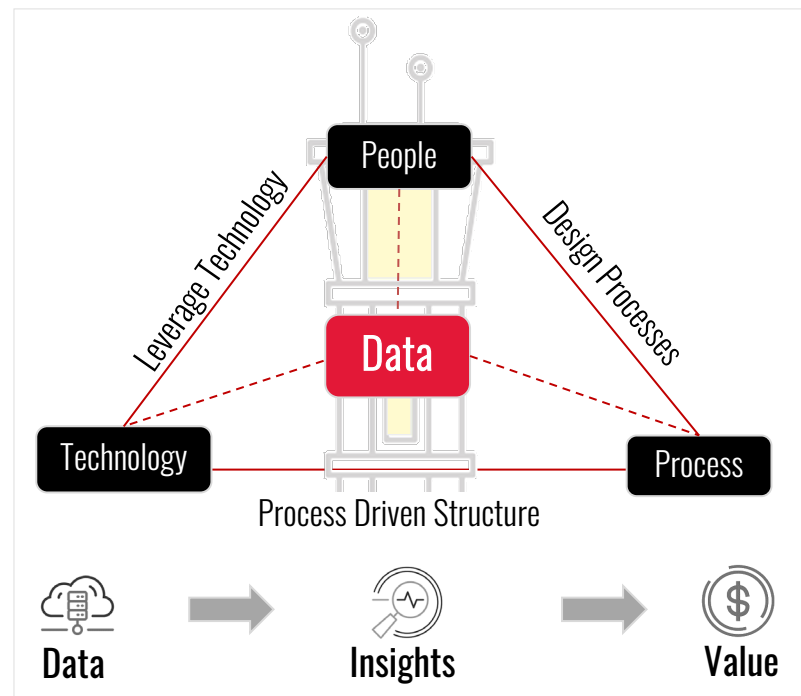
Introduction

The global control towers market was worth USD 5.28 billion in 2019 and is predicted to increase at a CAGR of 16.7% from 2020 to 2027. Furthermore, the market is being propelled forward by the increasing usage of cutting-edge technologies such as IoT, cloud computing, and AI across numerous industrial verticals.

In the supply chain ecosystem, control towers are becoming more common. Businesses can obtain better visibility into the real-time status of an order and reduce the risk of potential complications by developing an ecosystem that focuses on transparency, as well as acquire data on how to manage orders more professionally.

Customers today are expecting:

- Multi-tier supplier mapping, risk monitoring at Tier-1 to Tier-N supplier
- Real time event tracking (natural disaster and human made disruptions)
- Risk and performance scoring of the supplier,
- Impact analysis of risk on supplier/parts/products/customer
- Interface for the suppliers to provide mapping for their tiers and parts
- Any dynamic changes in the tiers shall be accommodated by bringing in automation
- End to end real time visibility across supply chain – upstream and downstream
- Data to actionable insights to be predictive than reactive



Our Solution

Tech Mahindra Supports Industry Demands with an Intelligent-Efficient-Scalable Platform

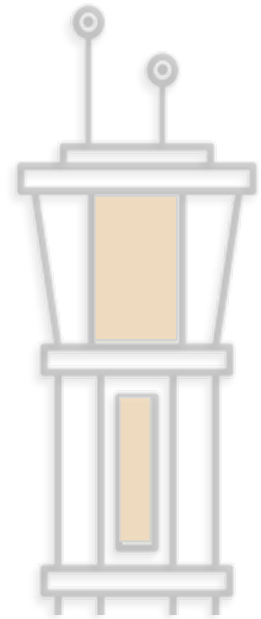
Design: Supply chain control tower with data analytics layer and simulation engine

Service: Efficient operations with new edge technology service layer to address diverse stakeholder persona from all industry verticals

Experience: Seamless experience across supply chain in both B2B2C and D2C environment

Our AI-enabled control tower comes with:

- E2E visibility across SCM
- Integrated view of factory, supply chain, and support functions
- Impact and correlation analysis across SCM
- Respond and mitigate supply chain disruptions in near-real-time
- Early warning alerts and exception management in near-real-time
- Analytics to gain actionable insights that deliver tangible business value
- Offering seamless visibility - ERP/WMS/TMS + CONNECTED ASSETS + INTELLIGENCE



Benefits



Revenue Impact:

- 10-15% improvement in customer order fulfillment
- 40-50% reduction in plant stoppages due to sudden shortages of critical supplier parts



Cost Impact:

- 10 - 15% reduction in inventory cost
- 15-20% reduction in logistics cost and premium freight bill for contingent parts



Service Level Impact:

- Over 50% improvement in time to react and respond to the disruptions by creating visibility, simulations, conducting risk assessment and mitigation across all tier suppliers

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