



# SAP LEONARDO - COLD CHAIN LOGISTICS

## A DIGITAL TRANSFORMATION USE CASE

### DX USE CASES

Strategic investments in technology can help transform business through improved customer experience, operational efficiencies and shifts in business models. Our manufacturing use cases highlight value chain advantages that you can tap into for competitive advantages.

### PROJECT SUMMARY

- NAME  
Cold Chain Logistics
- MARKET  
SUPPLY CHAIN, LOGISTICS  
(Processes: Warehousing, delivery, Transportation)
- INDUSTRY  
Pharmaceutical, Medical Devices
- VALUE CHAIN SOLUTION  
Efficiency & Agility (Operations)
- TOOLS & TECHNOLOGIES  
SAP S/4 HANA, SAP Fiori, SAP ML Leonardo

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### ABOUT OPTIMIZED

Optimized Solutions International is a global professional services organization providing business enterprise solutions to clients for over 20 years. A pioneer in applying innovative, technology-based solutions to common business problems, Optimized Solutions is headquartered in Chicago, Illinois with offices in Boston & India.

### BUSINESS USE CASE

The global cold chain market is expected to grow at a compound annual growth rate of around 14% by 2020 - estimated to reach around \$300B. The key logistical challenge that the cold chain industry faces is the loss incurred on account of temperature and humidity excursions – typically estimated at more than 20% of total revenue. There is a need and pressure from the business to improve operational efficiencies.

### SOLUTION

The solution enables embedded real time monitoring and intelligent analytics for “Cold supply chain” by providing insights for critical environmental parameters like temperature and Humidity for cold chain products which are important to determine the operational efficiency. By the process of implementation clients achieve timely distribution with safety, Quality assured, 100 percent delivery, Preventive, proactive, prescriptive actions and predictive maintenance - leading to increased operations efficiencies and customer satisfaction

### FEATURES

- Integration with SAP S/4HANA® and SAP ECC
- Scalable Solution
- SAP Best Practices
- SAP Fiori tightly integrated
- Process Innovation and Agility with SAP Cloud Platform & SAP LEONARDO
- Track ambient level or container level cold chain parameters
- Quality Assured to comply with regulatory requirements
- Built in Intelligence and predictive modelling
- New Business models

### SOLUTION BENEFITS

- Full traceability of shipped goods from source to retailer
- Track & trace consumer products to prevent spoilage of temperature-sensitive products and maintain brand quality
- Reduced shipment/storage losses and timely deliverables
- Real time preventive, proactive, predictive alerts through automated notifications , email triggers and SMS alerts
- 360 view, real-time information of the deliverable to the customer
- Operational efficiency benefits from alert triggers
- Strict temperature monitoring, quality checks, and identification of failures at every stage
- Reliable insights on time out of refrigeration for every batch produced
- Compliance with manufacturing quality regulations
- Improved asset utilization



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