



BRISTLECONE

BRISTLECONE TRACKWELL

End-to-End Shipment Tracking, Impact Analysis and Mitigation

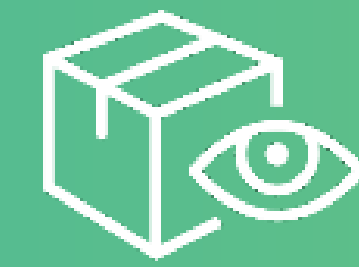
SHIPMENT VISIBILITY CHALLENGES



Delays due to unforeseen events resulting in poor delivery date predictions



Multiple data sources; lack of a unified shipment view, leading to poor decision-making



Delayed information visibility due to manual tracking and non-real-time updates; lack of mitigation options



Poor connection with execution systems and siloed processes hamper quick decision-making

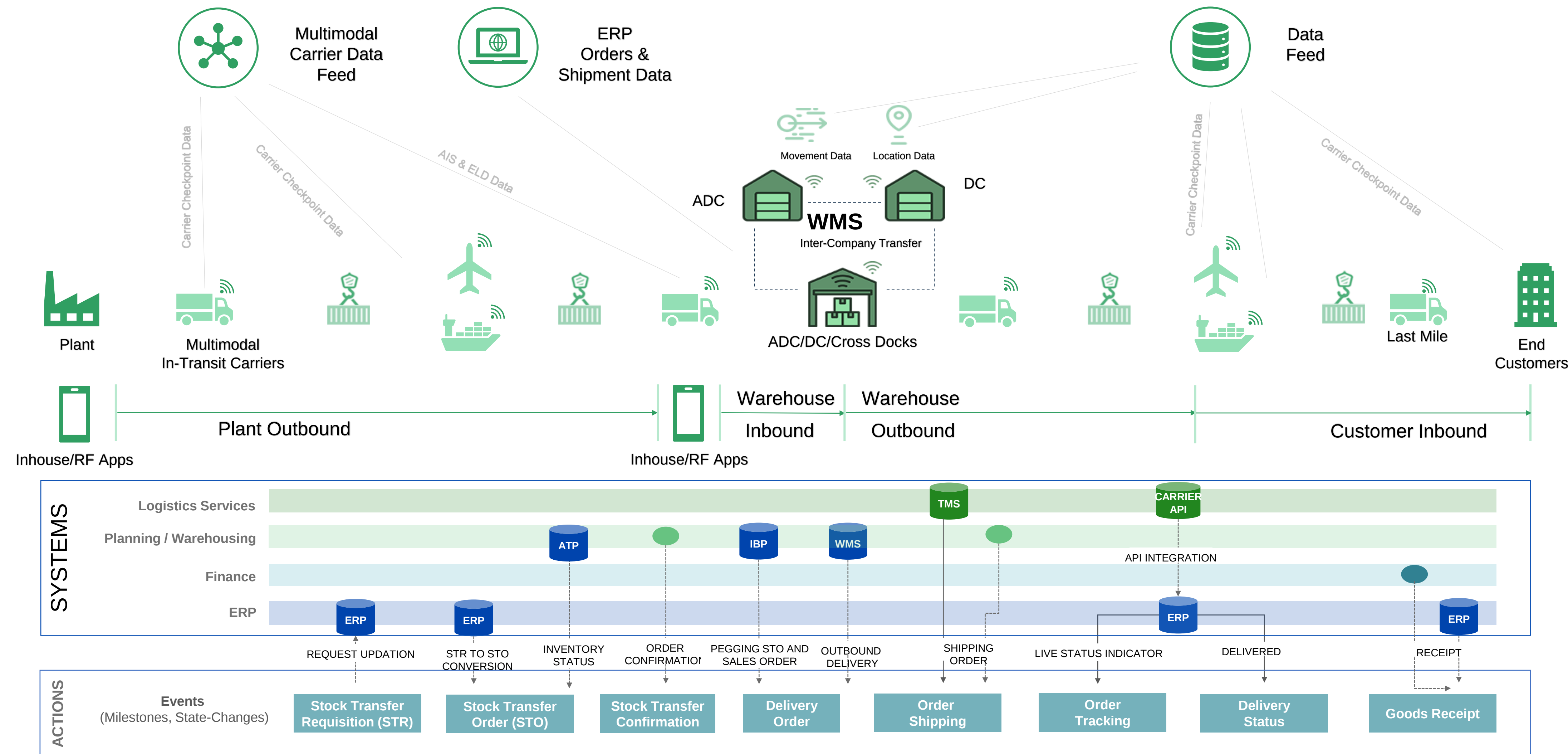


Inability to analyze shipment history and refine planned lead times to reduce delays



Poor logistics budget management leads to frequent unplanned expedites and budget overruns

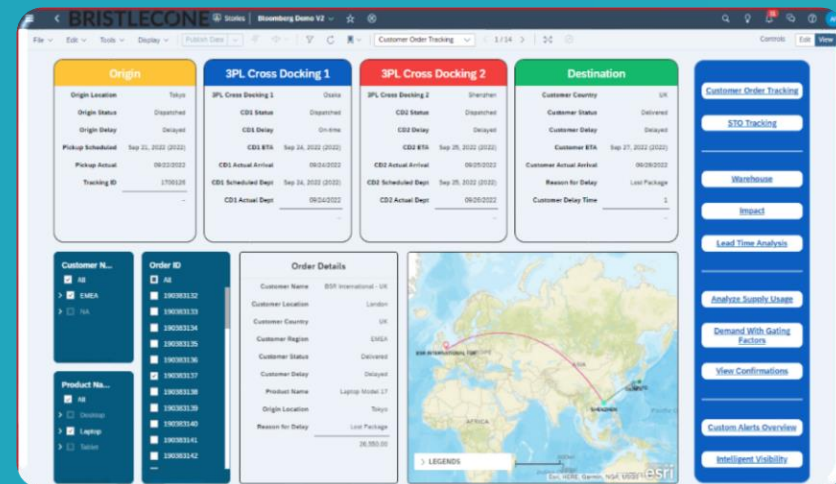
SOLUTION OVERVIEW



SOLUTION FEATURES

01

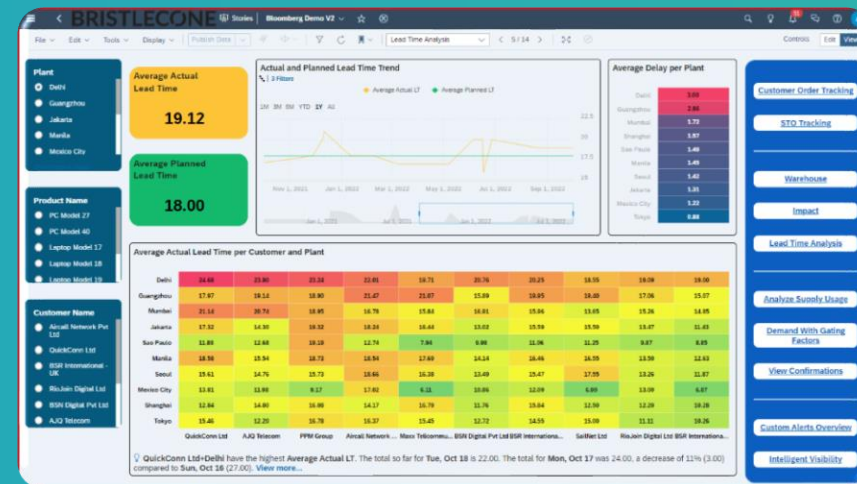
Track Orders and Improve OTIF



- Direct carrier API integration to track interplant and customer shipments
- Expected delivery dates
- Delay in the number of days
- Reasons for delay
- Segmentation by customer
- Segmentation by product
- Geo-map for the logistics route

02

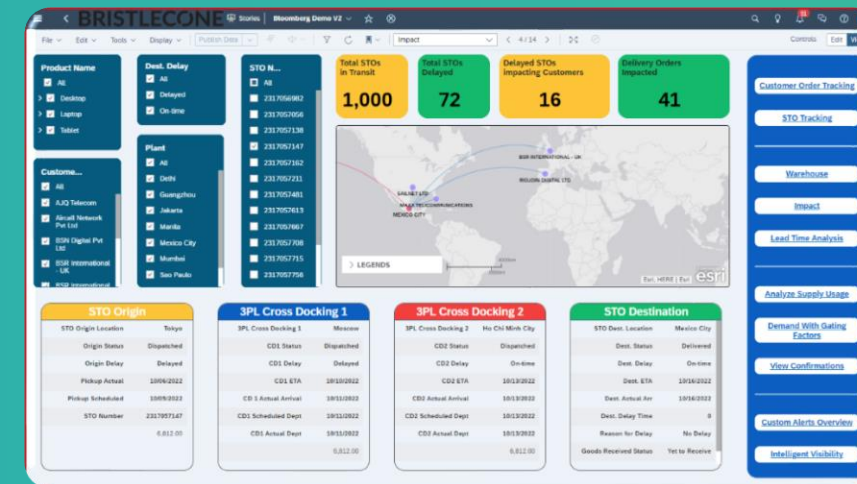
Monitor Performance & Refine Inputs



- Planned vs. actual lead time trend for interplant shipments
- Average delay by plant
- Actual lead times between customers and plants
- Segmented by product, plant and customer
- Update of lead time in ERP

03

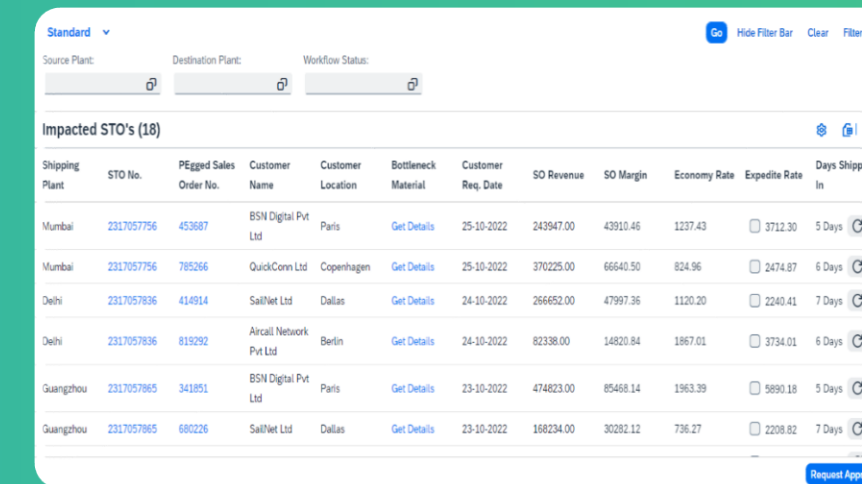
Foresee Impact & Arrange Interventions



- Delayed STO tracking and analysis
- Reasons for delay
- Impact of delay on customers based on pegging relationships
- Projected delivery dates
- Possibility to expedite the next leg of transportation

04

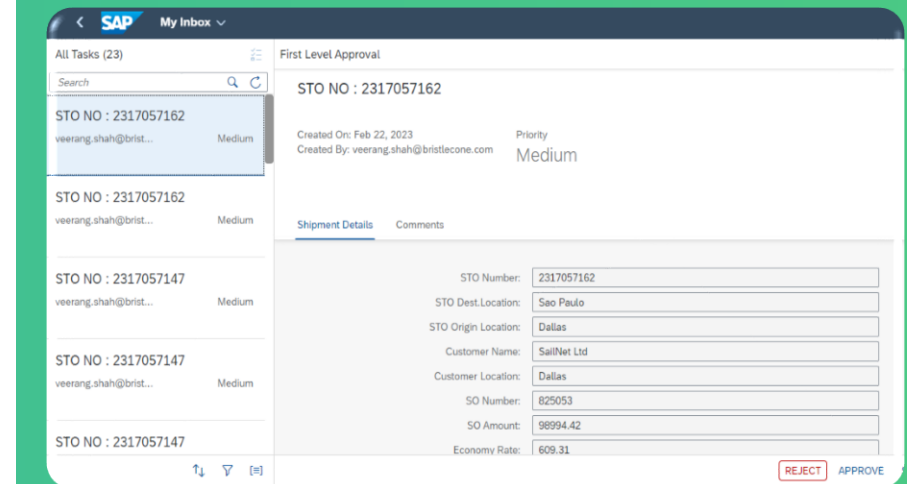
Optimize Logistics Costs & Budget Compliance



- Review customer order delays impacted by interplant shipment delays
- Review list and quotes for expedited shipment with direct carrier API integration
- Request for transfer from regular shipping to expedited shipping

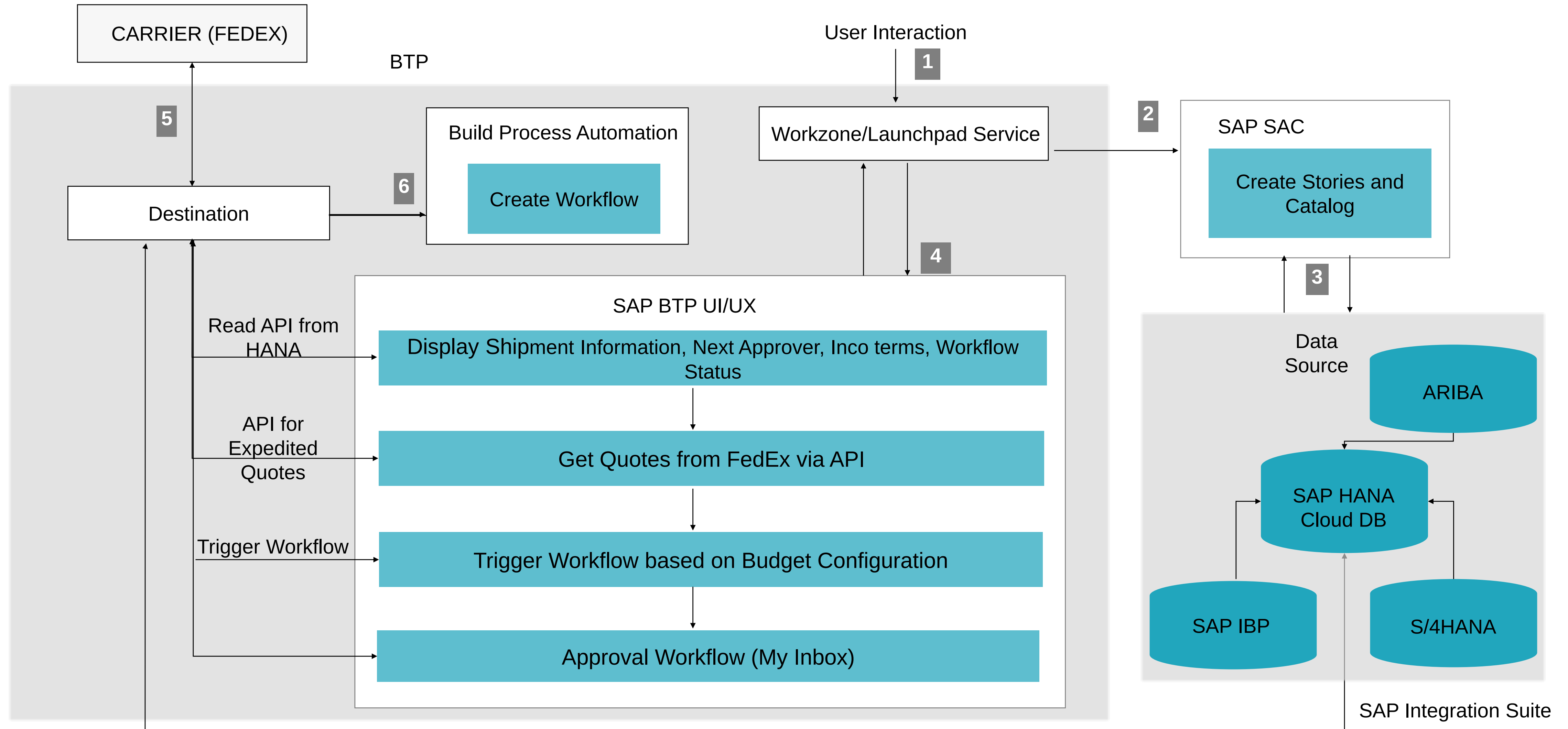
05

Approve & Track Shipment Expedites



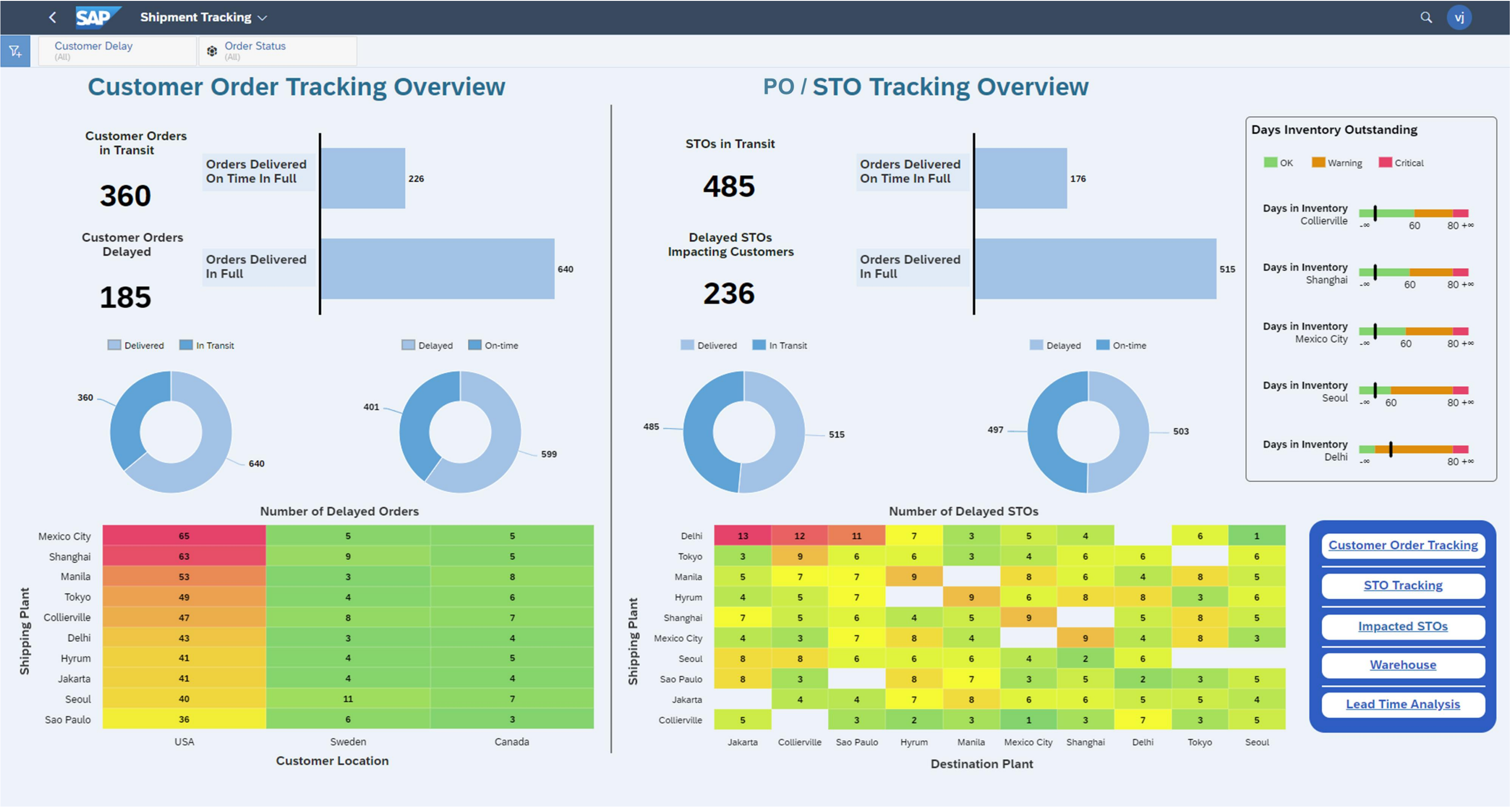
- Approval workflow across multiple levels based on dollar thresholds
- Integrated with orders in S/4HANA to publish approval decision
- Email-based approval notifications with contextual information

SOLUTION ARCHITECTURE



ILLUSTRATIVE SOLUTION SCREENSHOTS

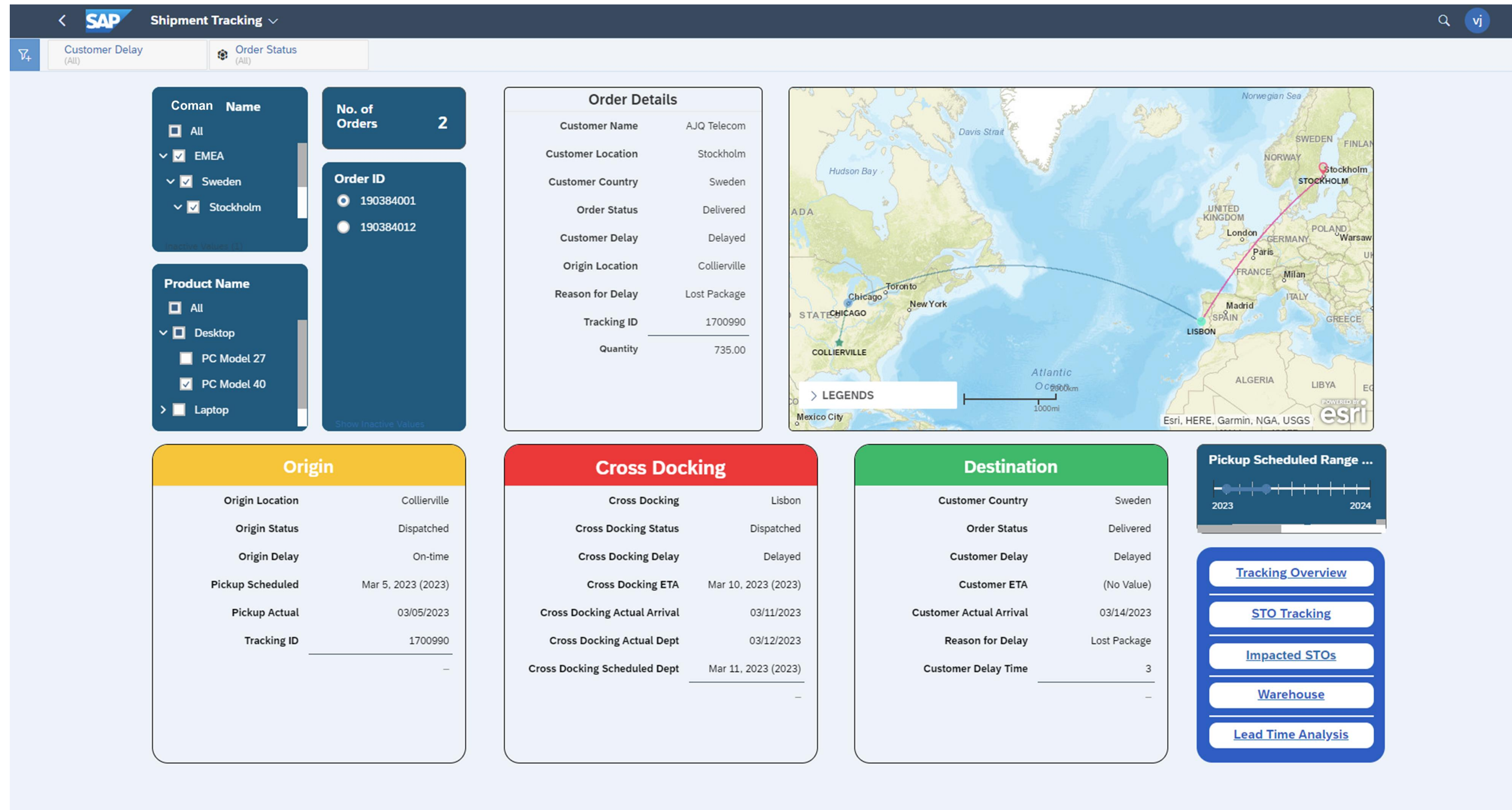
Summarized view of Shipments



Track shipments and slice and dice data by multiple attributes such as shipping plant / contract manufacturer, receiving plant, product name, etc. Filter by attributes such as delayed POs / on-time POs, etc.

ILLUSTRATIVE SOLUTION SCREENSHOTS

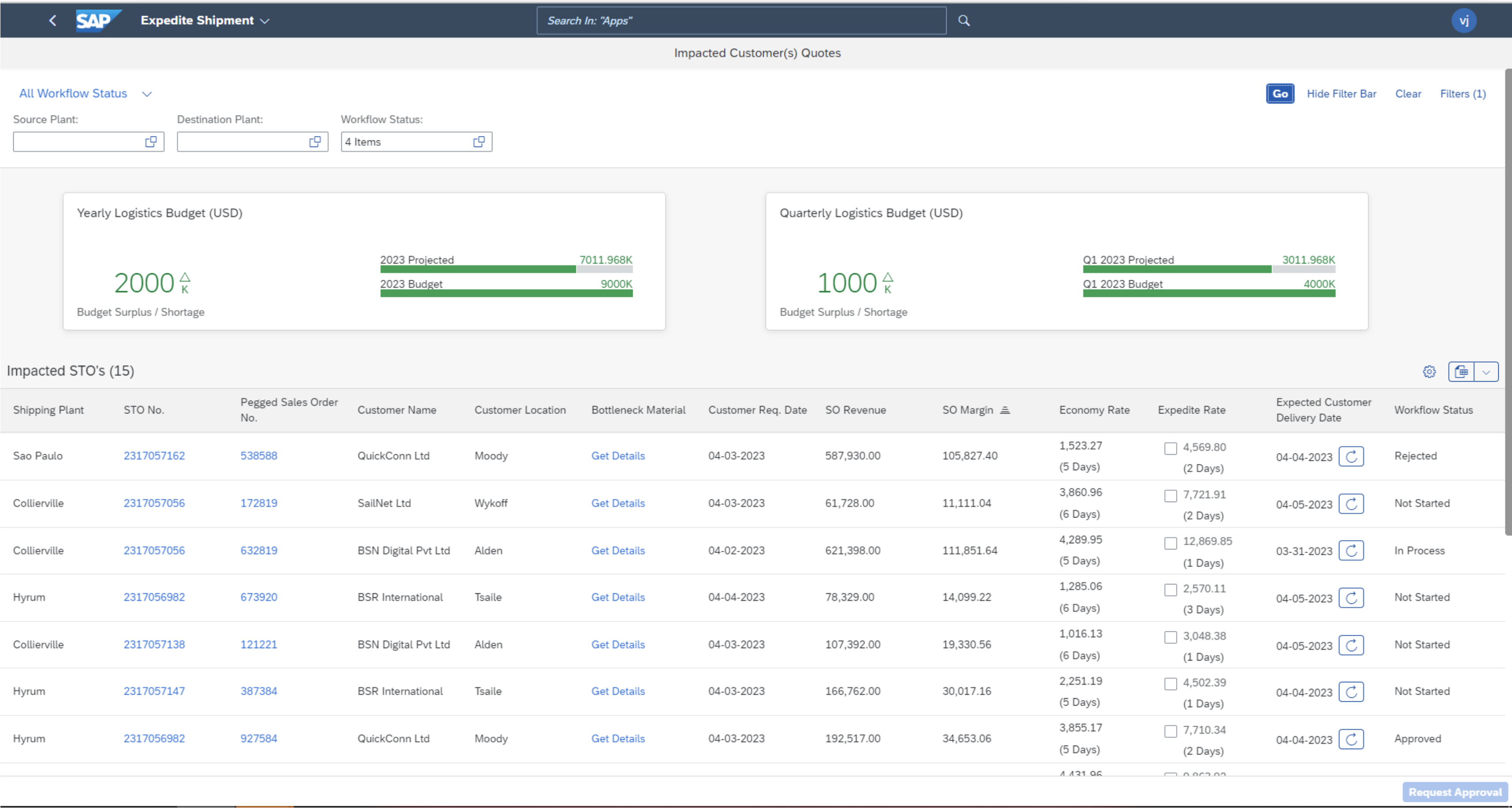
Track Shipments by Different Attributes



- Ability to drill down to the shipment for any other information
- Track shipments in real time along with critical filters such as a list of delayed shipments, on-time shipments, etc.
- Additional details like expected delivery dates, delay in number of days, reason, etc., based on a combination of ASN and carrier checkpoint data

ILLUSTRATIVE SOLUTION SCREENSHOTS

Provide Alerts on Shipment Delays and Recommend Ways to Expedite



- List of alerts where POs delayed are impacting customer sales orders (for MTO as well as MTS) by leveraging pegging relationships from supply chain planning systems
- Ability to monitor budget and expedite orders based on an approval workflow across multiple levels based on dollar thresholds

VALUE PROPOSITION

More than Visualization and Analytics

End-to-end decision-making with actions driven directly in the SAP ERP systems based on approvals.

Not Only Connected with ERP Systems

Connected with planning systems providing capabilities to identify customers impacted by interplant shipment delays proactively.

Not Just Status Tracking

Carrier integration for getting the possible ways of expediting shipments and the cost of expediting.

More than Early Warning of STO Delays

Comprehensive impact analysis of STO delays. Automated identification of customer orders impacted by STO delays with possible mitigation steps.

More than Lead Time Visibility

Analysis of frequently occurring problems and proactive recommendations on changing the planned route lead times for planning.

Beyond Extended Visibility

End-to-end tracking of:

- Planning exceptions and proactive identification of delays
- Carrier integration and shipment status tracking
- STO tracking as well as last mile tracking
- Impacted customer orders with ways to expedite downstream shipments

ABOUT BRISTLECONE

The Leading Provider of AI-Powered Application Transformation Services for the Connected Supply Chain

Our offerings cover end-to-end supply chain utilizing technology-agnostic solutions



Supply Chain Planning



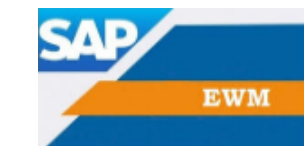
**Sourcing &
Procurement**



Supply Chain Execution



**Logistics & Warehouse
Management**



**Business
Advisory**

**Implementation &
Technical Services**

Managed Services

Gartner Rated

Leader in Supply Chain

25+

Years as Trusted
Partner

\$19 Billion

Part of Mahindra Group

2,600+

Supply Chain and
Procurement
Consultants

1,000+

Customer
Engagements

100+

Enablers and
Accelerators



INDUSTRIAL

Manufacturing
High-Tech
Semiconductor



CONSUMER

Retail
CPG
Durables



LIFE SCIENCES

Pharmaceuticals
Medical Devices
Healthcare



TECHNOLOGY

Software & Platforms
Fintech
Edtech



Let's Keep The Conversation Going

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