OpenText Shipment Track

Leverage IoT to monitor goods in transit, minimize supply chain disruption, optimize inventory levels and reduce risk, fraud and diversion

Solution overview

Late deliveries in a lean manufacturing environment can lead to millions of dollars in plant downtime. Many companies compensate for this by padding lead times, resulting in excess inventory and poor cash flow.

Leveraging the Internet of Things (IoT) helps streamline supply chain operations and increase visibility by digitally tracking shipments and assets. With OpenText Shipment Track, companies can use IoT-driven track-and-trace to connect shipment and assets throughout the supply chain and monitor movements in realtime. Data from sensors and other IoT devices can be augmented with supply chain data, such as warehouse and transactional information, to provide more granular visibility.

Improve monitoring of shipments and assets as they move through the supply chain

By adding IoT devices to cargo and vehicles, an organization can capture, manage and augment IoT data to provide visibility across the supply chain (see Figure 1).
Avoid supply chain disruptions and associated indirect costs

To contain costs and mitigate risk, supply chain leaders must gain insight into what’s driving these trends and measure exposure to risk. With a top down look at the entire value chain, downtime can be minimized, supplies can be rerouted and disaster averted. Seamless, secure collaboration between multiple systems and partners allows both manufacturers and suppliers to respond in realtime.

Understand and manage supply chain performance

Organizations must maintain high levels of efficiency and optimize effectiveness of a supply chain. To do so, risks must be identified and quantified. An optimized supply chain allows a company to quickly assess a supplier’s ability to meet financial, legal, safety, quality and environmental regulations and expectations.

By 2023, at least 50% of large global companies will use AI, advanced analytics and IoT in supply chain operations.3
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Streamline and reduce errors in supply chain interactions

For manual data entry, the typical error rate is a staggering one in every 300 characters.¹ And, the average shipper typically loses $50,000 to $150,000 a year due to invoice mistakes by carriers.² Eliminating data entry errors and language barriers not only improves supply chain processes but also opens up new markets.

Associated service options available

- Supply Chain Consulting Services
- IoT Consulting Services
- OpenText™ Managed Services

By 2023, talent shortages in the supply chain of 75% of the top 500 manufacturers worldwide will be largely mitigated by the use of supply chain digital assistants.⁴

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### Overlying data

<table>
<thead>
<tr>
<th>Cargo data from sensors</th>
<th>Shipment data</th>
<th>OpenText IoT Platform</th>
<th>Realtime insights</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Device ID</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Context</strong></td>
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<tr>
<td><strong>Attributes</strong></td>
<td>Lat</td>
<td>Long</td>
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<td><strong>Carrier telematics</strong></td>
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<tr>
<td><strong>Device ID</strong></td>
<td>GPS a2, j7 and q9</td>
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<tr>
<td><strong>Attributes</strong></td>
<td>Lat</td>
<td>Long</td>
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</tr>
<tr>
<td><strong>External data</strong> e.g. weather, traffic</td>
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<tr>
<td><strong>Device ID</strong></td>
<td>TrafAPI, WeatherAPI</td>
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<tr>
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<tr>
<td><strong>Attributes</strong></td>
<td>Delay</td>
<td>Alerts</td>
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</table>

1. Provision and identify sensors and external data sources
2. Aggregate sensor and external data
3. Orchestrate shipment data and apply business heuristics
4. Shipment visualizations, B2B document creation and notifications focus on exception management

**Figure 2: Visualizing shipping track**

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*By 2023, talent shortages in the supply chain of 75% of the top 500 manufacturers worldwide will be largely mitigated by the use of supply chain digital assistants.*⁴
Track in process goods

- Track and visualize the location of high value shipments to prevent loss or damage
- Support expedited cargo
- Track high value raw minerals, hazardous materials and custom manufactured parts
- Track in process shipping containers across the supply chain to prevent disruption

71% of transportation and logistics organizations use IoT to track the location of vehicles and cargo, helping to identify smarter routes, avoid congestion and reduce fuel usage.  

About OpenText

OpenText, The Information Company, enables organizations to gain insight through market leading information management solutions, on-premises or in the cloud. For more information about OpenText (NASDAQ: OTEX, TSX: OTEX) visit: opentext.com.

Sources
2. Transport Pro, Human Error Takes Toll on Global Supply Chain, July 2018.