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OpenText Shipment Track

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

Improve shipment monitoring throughout the supply chain

Avoid supply chain disruptions and associated indirect costs

Understand and manage supply chain performance

Streamline and reduce errors in supply chain interactions

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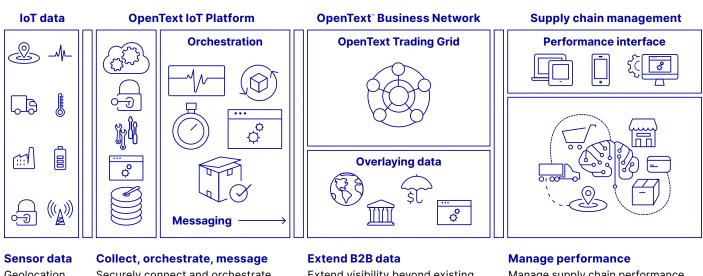
To contain costs and mitigate risk, supply chain leaders must gain insight into what's driving these trends and measure exposure to risk. With a top down look at the entire value chain, downtime can be minimized, supplies can be rerouted and disaster averted. Seamless, secure collaboration between multiple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

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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.

IoT data	OpenText IoT Platform	OpenText™ Business Network	Supply chain management
	Orchestration	OpenText Trading Grid	Performance interface
	Messaging →	Overlaying data	

Sensor data
Geolocation, temperature, shock, battery life, carrier location.

Collect, orchestrate, message
Securely connect and orchestrate physical data with business rules. Message to workflows and downstream application.

Extend B2B data
Extend visibility beyond existing event data with realtime physical data. Overlay external data sources for visibility.

Manage performance
Manage supply chain performance via a role-based interface; enable workflows and downstream applications with extended insights.

Figure 1: Extending and enabling the digital supply chain

OpenText Shipment Track components	
Secure Device Management	Enable zero-trust processes to scrutinize every person, system and device in the connected IoT ecosystem
Ecosystem Integration	Turn data into actionable intelligence with device interoperability and IoT data integration between people, systems and things
Unified Messaging	Extend business applications through IoT data stream orchestration to translate, route and govern messaging between disparate and legacy technology
Actionable Insights	Augment IoT data streams and applications with realtime, interactive, highly scalable IoT data analytics for actionable visualizations, reports and dashboard

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Overlaying data	Shipment data	OpenText IoT Platform	Realtime insights

Cargo data from sensors

Shipment location

Device ID	GPS 216
Context	Mack 734
Attributes	Lat │ Long

Fleet data

Carrier telematics

Device ID	GPS a2, j7 and q9
Context	XYZ117
Attributes	Lat │ Long

External data

External data e.g. weather, traffic

Device ID	TrafAPI, WeatherAPI
Context	Route status
Attributes	Delay │ Alerts

OpenText IoT Platform

11010 00111 11100 01010

Realtime EDI creation

Visualizations

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
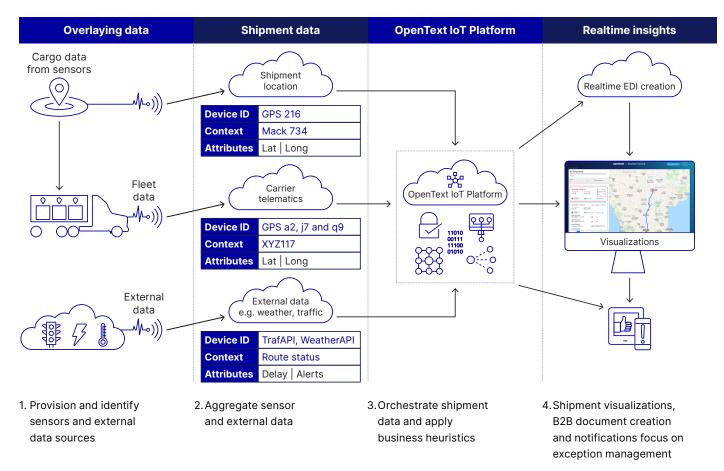
Figure 2: Visualizing shipping track

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]

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

Powered by OpenText™ Business Network and the OpenText Internet of Things Platform, Shipment Track is an OpenText Connected Supply Chain solution that enables end-to-end shipment and asset visibility in the extended supply chain. Beginning with an identity-centric approach to IoT, Shipment Track identifies the people, systems and things in a supply chain ecosystem. It gives pervasive, realtime visibility into shipments and assets as they travel from the point of origin to the final destination. If any disruptions or delays occur, the B2B documents can be edited or refreshed to reflect the current state of the shipment or asset.

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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

Visualize shipment tracking

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.[5]

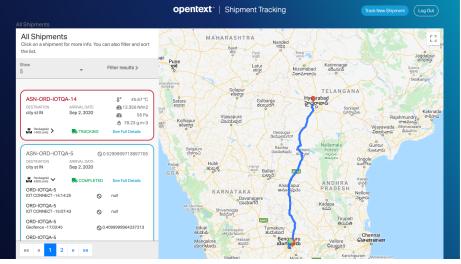⮕ Learn more

OpenText Industrial IoT Platform »

Connected IoT Supply Chain »

Secure Device Management »

Ecosystem Integration »

Unified Messaging »

Actionable Insights »

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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**.

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Sources

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

3 Gartner, Innovation Insight for Internet of Things in Supply Chain, July 24, 2019.

4 IDC, IDC FutureScape: Worldwide Supply Chain 2019 Predictions, October 2018.

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