

# OpenText Shipment Monitor

Utilize IoT data to monitor the condition of goods or assets in transit



**Augment shipment tracking** with condition-based data



**Leverage sensor data** to report critical changes in temperature, humidity or shock



**Deliver new service levels** or offerings for customers beyond shipment tracking



**Audit supply chain partners** for cargo condition service levels

**For some products, such as pharmaceuticals or high-tech equipment, controlling environmental conditions in transit is more important than its physical location. If a fragile product is exposed to rough treatment or harsh temperatures, it could be lost to spoilage. Organizations need to leverage the data from environmental sensors to react to shipment conditions and alert all stakeholders.**

OpenText Shipment Monitor, an OpenText Connected Supply Chain solution, delivers condition-based monitoring to augment supply chain operations. Everything affecting goods in transit can be monitored in realtime, including temperature, humidity, location and product condition, so that immediate corrective action can be taken if an exception of aberrant conditions is reported. This provides much greater control in the shipment of perishable and high value goods with high levels of transparency and supply chain efficiency, while reducing the waste and damage of products in the supply chain.

## **Augment shipment tracking with condition-based data**

By adding IoT devices to cargo and assets, an organization can capture, manage and augment location-based services data to provide condition-specific visibility across the supply chain (see Figure 1).

*By 2023, at least 50% of large global companies will use AI, advanced analytics and IoT in supply chain operations.<sup>1</sup>*

*An international online retailer says monitoring shipments for impacts, tilts and temperature excursions helped it reduce damage by 90%.<sup>2</sup>*

*Studies have shown it is not uncommon for temperature to vary by 30% or more within a refrigerated trailer or container.<sup>3</sup>*

**Leverage sensor data to report critical changes in temperature, humidity or shock**

By employing IoT sensors to provide realtime condition monitoring of perishable items, such as food, or sensitive items, such as electronics, producers can improve or extend a perishable's shelf life and reduce spoilage of a shipment.

**Deliver new service levels or offerings for customers beyond shipment tracking**

Track and trace provides a level of safety to help ensure shipments are secure and authentic. Shipment Monitor provides an additional service level that assures established environmental safeguards are effective and maintained.

**Audit supply chain partners for cargo condition service levels**

Spot inefficiency patterns and track waste and costly spoilage due to mishandling or out of scope environmental settings. Historical and realtime data can be used to measure partner and system performance.

**Extending and enabling the digital supply chain**

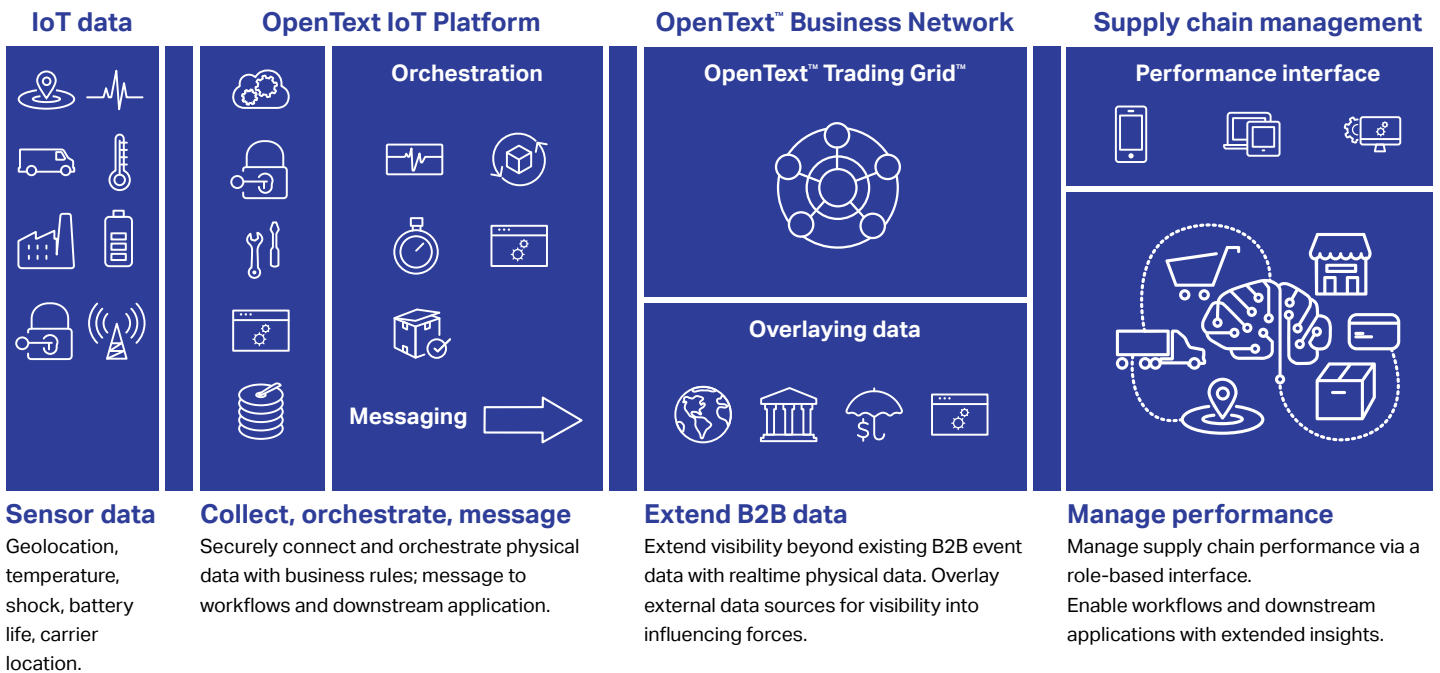
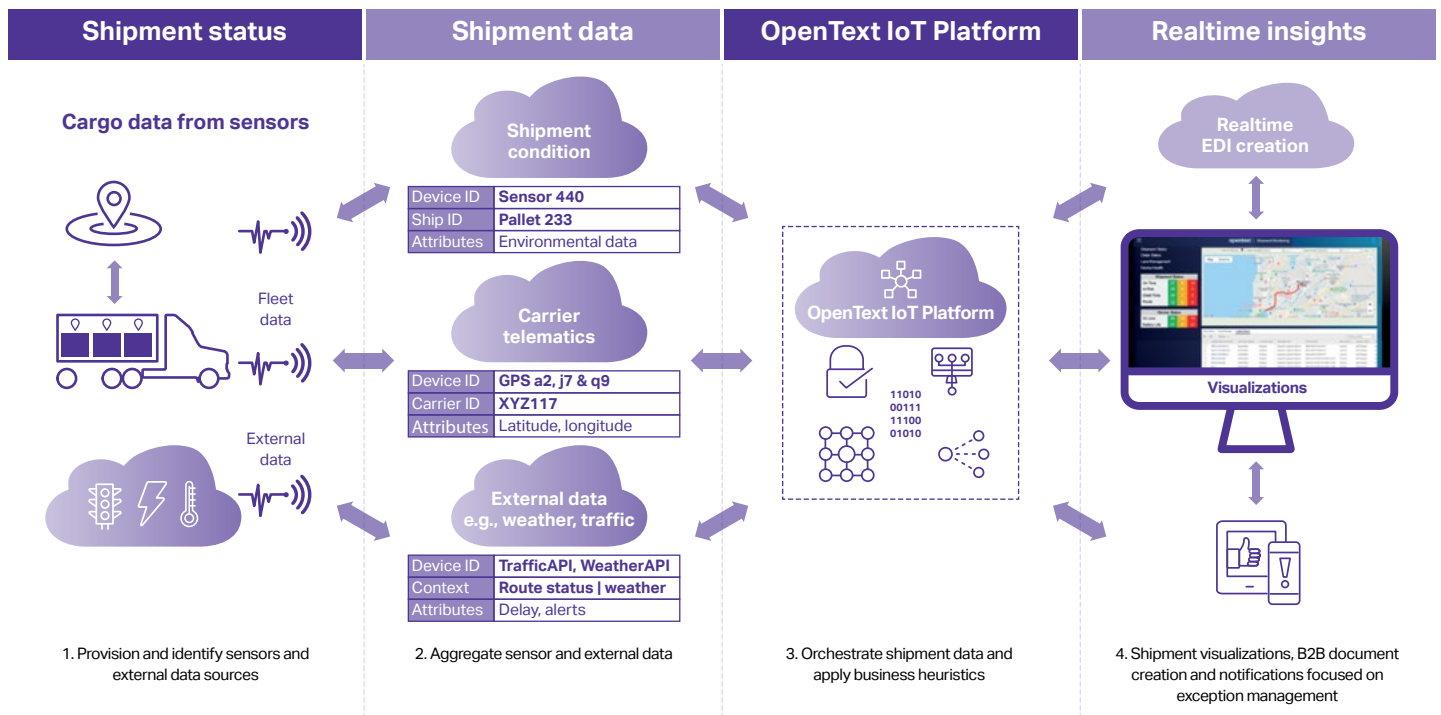


Figure 1: Extending and enabling the digital supply chain

Powered by OpenText™ Business Network and the OpenText Internet of Things Platform, Shipment Monitor enables end-to-end shipment and asset condition monitoring in the extended supply chain. Beginning with an identity-centric approach to IoT, Shipment Monitor identifies the people, systems and things in a supply chain ecosystem. It gives pervasive, realtime environmental condition visibility into shipments and assets as they travel from the point of origin to final destination. If any disruptions or out of scope conditions occur, the B2B documents can be edited or refreshed to reflect the current state of the shipment or asset and the appropriate stakeholders alerted.

- Supply Chain Consulting Services
- IoT Consulting Services
- OpenText™ B2B Managed Services

## Visualizing OpenText Shipment Monitor



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

OpenText Industrial IoT Platform

Secure Device Management

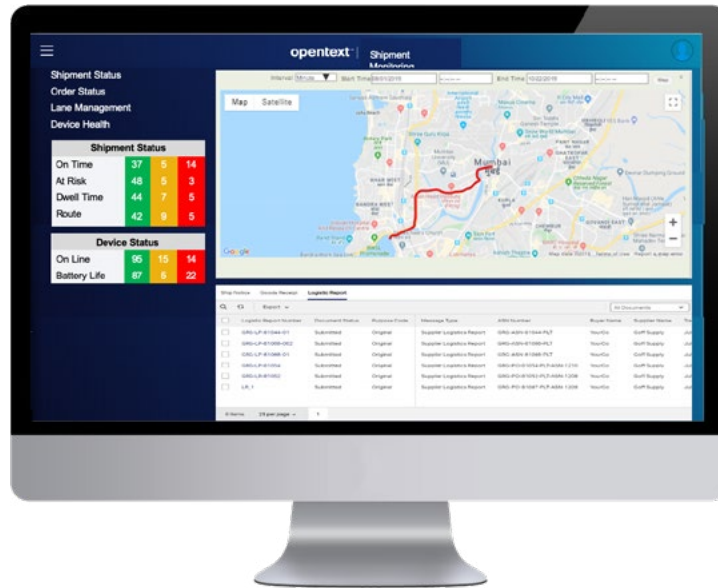
Ecosystem Integration

Unified Messaging

Actionable Insights

Blog

## Visualizing OpenText Shipment Monitor



### Monitoring in process goods

- **Tracking and visualizing** the location and condition of high value shipments to prevent loss or damage.
- Support climate, light or shock sensitive cargo.
- Tracking high value raw minerals, hazardous materials and custom manufactured parts
- Track in process shipping containers across the supply chain to prevent spoilage or damage

1. Gartner, Innovation Insight for Internet of Things in Supply Chain, July 24, 2019.  
 2. SupplyChainBrain, Assessing the Total Cost of Supply Chain Damage, May 2018.  
 3. ChainLink Research, Carton-level Temperature Tracking for Cold Chain Pharmaceuticals - Why Now? August 28, 2012.