

opentext™

eBOOK

Augment B2B supply chain data with IoT to build an adaptive and resilient supply chain

Gain increased visibility and insights to improve supply chain and asset operations



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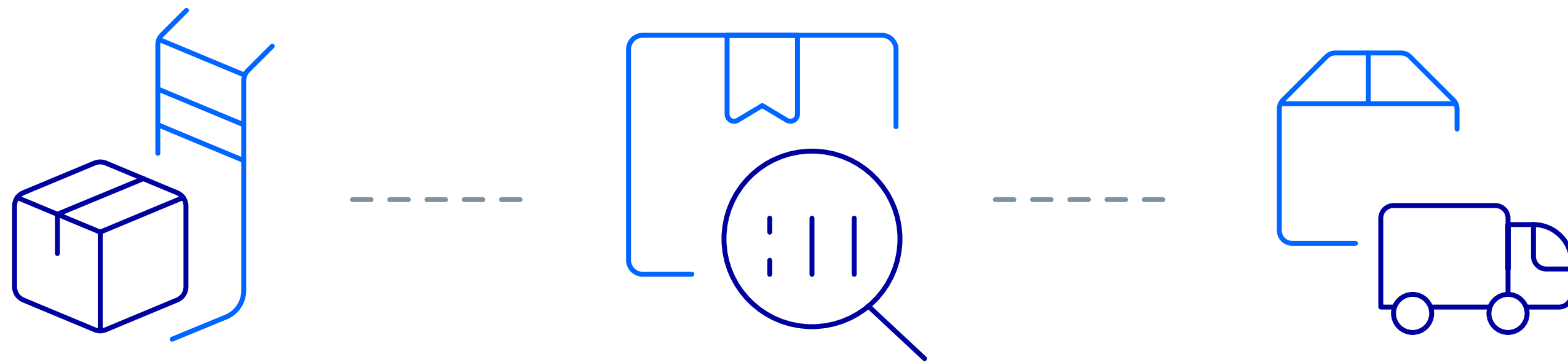
Introduction

B2B data is the heartbeat of the supply chain, augment it to build adaptive and resilient operations

What is the connected IoT supply chain?

The connected supply chain aggregates sensor information from pallets, containers, forklift trucks and multi-modal transport into a central IoT platform. Monitoring the position and condition of a shipment as they move through the supply chain provides a realtime view of where the shipment's location and condition.

Companies consistently strive to improve visibility across their supply chain operations. The Internet of Things (IoT) technologies offers supply chain connectivity to gather the visibility and insights to optimize operations. Supply Chain Directors not only gain realtime visibility of a shipment's current location but can monitor the shipment at every stage of its journey.



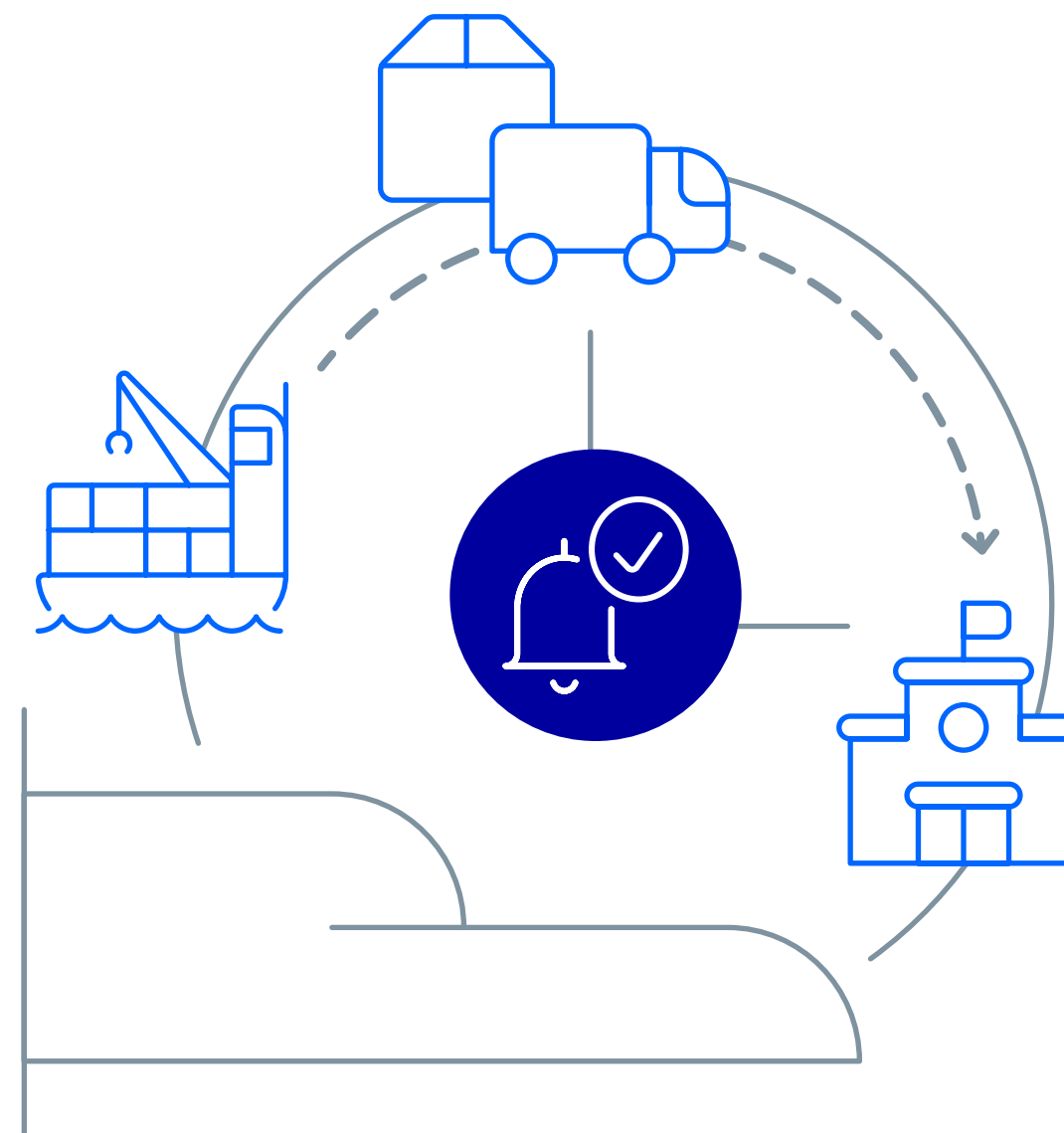
Shipment Intelligence

Optimize intelligence across the supply chain.

OpenText Shipment Intelligence enables action by closing gaps in logistic flows and status of supply chain data. It connects demand and shipment information from supply chain enterprise applications such as ERP/TMS. It establishes a process to request ETA and/or location data from carrier or logistic provider's telematic platforms. Enabling and linking freight management systems to shipment and B2B documents and augment with status updates from driver management applications (simple Web mobile app (SPA), or integration to carrier's mobile app). Integrate shipment data across modalities (e.g., truck to shipyard, to ship, to offload, to truck and to final delivery) to close existing gaps in supply chain visibility.

Deliver real-time notifications that detail changes in ETA and/or location, condition and/or status code. Using an identity-centric approach to these supply chain notifications will be secure and directed communications.

Visualize near term and realtime supply chain data. OpenText Shipment Intelligence offers supply chain leaders a solution to visualize the volumes of data from B2B transactions from solutions like OpenText Trading Grid in conjunction with IoT-sources to make informed decisions and send directed notifications.



Shipment Track

Supply chain disruptions happen every day. 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.

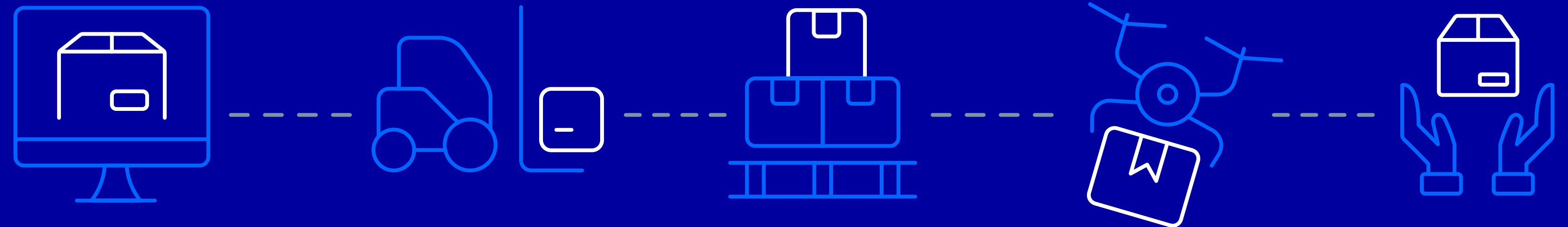
Leveraging the Internet of Things (IoT) helps streamline supply chain operations and increase visibility by digitally tracking shipments and assets. With OpenText Shipment Track, companies can use IoT-driven track-and-trace to connect

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.

By 2023, at least

50%

of large global companies will use AI, advanced analytics and IoT in supply chain operations.¹



Shipment Monitor

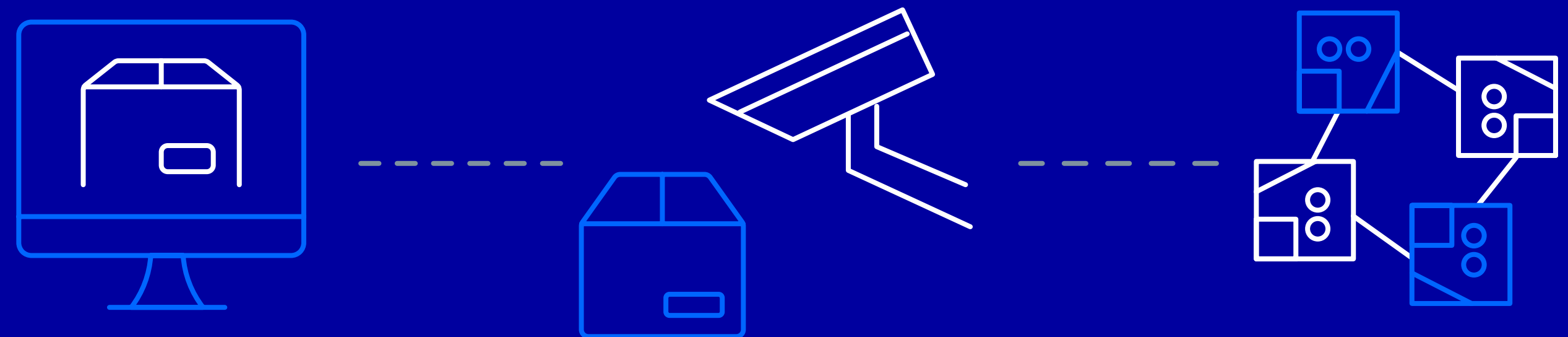
Building upon Shipment Track, OpenText Shipment Monitor delivers condition-based monitoring to supply chain operations. Every aspect affecting goods in transit can be monitored in real time, including temperature, humidity, location, and product condition, so that immediate

corrective action can be taken if an exception of aberrant conditions is reported. This provides much greater control of 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.

Studies have shown it is not uncommon for temperature to vary by

30%

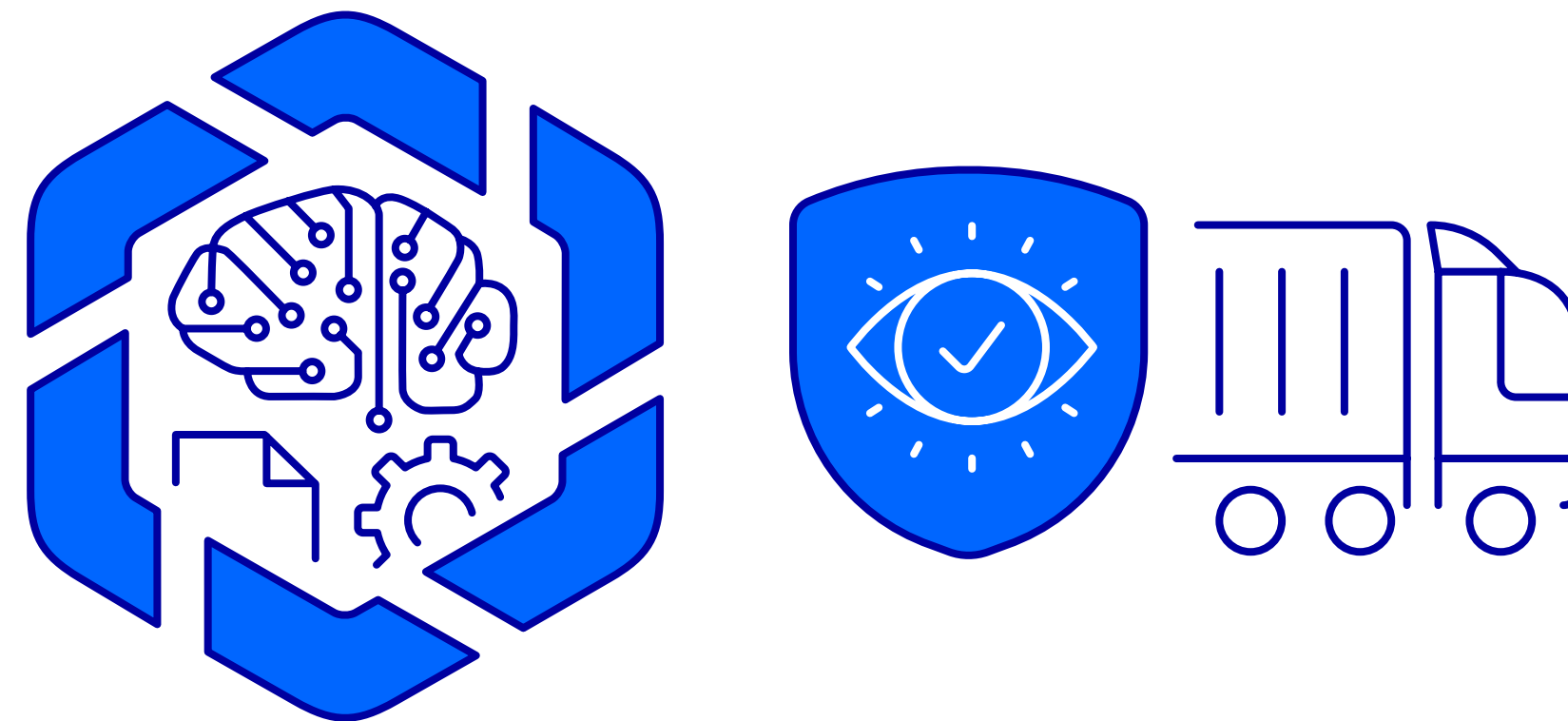
or more within a refrigerated trailer or container.²



Shipment Insights

OpenText Shipment Insights offers supply chain leaders a solution to visualize the volumes of data from B2B transactions and IoT-sources to make informed decisions. As supply chains extend to new markets and geographies, utilizing location-based data in conjunction with condition-based data to visualize trends can improve operations and customer experience.

Shipment Insights adds an additional layer of information to supply chain visibility, such as weather, demographic, economic and social media analysis. This realtime, external insight augments near term B2B data to provide insight and report product demand.



“Information from B2B documents is the heartbeat of a supply chain. A recent IDC report stated that “the best supply chains will be those that have the ability to quickly analyze large amounts of disparate data and disseminate business insights to decision makers in realtime or close to realtime.”³

³ IDC, Unlock the Value of Your Supply Chain Through Embedded Analytics, August 2017.



Conclusion

OpenText's portfolio of IoT-driven track and trace solutions provides a solid foundation for organizations to continue their digital transformation towards a completely autonomous supply chain. It allows companies to put in place the building blocks to digitally monitor and manage their supply chain and logically add capabilities when required to drive business agility, flexibility and innovation.

IDC has stated that IoT is a game changer in the supply chain⁴. It is changing the way that companies manage inventory, address overall supply chain visibility, and enable responsiveness.

Download this [white paper](#) to learn how disruptive technologies, such as the Internet of Things (IoT), enable intelligent and connected supply chains. From simple track and trace solutions that record and report shipment location data to shipment monitoring, where the environmental (temperature, vibration or humidity) IoT-sourced data are giving realtime insights and creating real-world benefits.

Accelerate your upgrade and reduce risk by working with OpenText Professional Services. [Let our experts work with you](#) to assess the current environment and prepare recommendations for a successful upgrade, whether on-premises, in the OpenText Cloud, in other company's clouds or in a hybrid environment. Customers who have Professional Services-led upgrades report up to 75% fewer queries to Customer Support.

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⁴ IDC, Digital Transformation Drives Supply Chain Restructuring Imperative, September 2019.