

# The power of clarity in operations and logistics

## DXC OmniLocation™

Leverage your IoT data in real time to cut waste, optimize routes and predict trends.

### Benefits

- Head off supply chain disruptions and lower safety stocks, reducing costs.
- Optimize routes, tasks and scheduling.
- Maximize asset utilization by monitoring the movement, activity and interaction of people, machines and vehicles.
- Reduce asset ownership costs through the recording, analysis, prediction and active control of assets in two-way communications.

### Key industries

- Transportation
- Life Sciences
- Healthcare
- Manufacturing
- Mining
- Public Sector
- Military
- Oil & Gas

### How visible is your supply chain?

A surprising number of companies with large supply and distribution chains are flying blind. Nearly 70 percent of organizations surveyed by the Business Continuity Institute said they do not have full visibility into their supply or distribution chains.<sup>1</sup> That means they can't see where their people, assets, shipments and vehicles are positioned. And even if they could, they wouldn't have the context to know whether their assets were optimizing productivity, safety and security. Executives and analysts have even less visibility into the distribution chain or into customer utilization and maintenance of products.

Meanwhile, supply-chain and distribution-chain losses are skyrocketing due to rising labor costs, regulatory requirements in transportation and volatile fuel prices.

However, your company has the ability to develop sophisticated, agile, data-rich supply chain operations that can give you insights into the issues your supply chain faces and help you identify new opportunities.

### Optimize productivity, safety and security

The process begins with ascertaining where you are in the internet of things (IoT) digital transformation journey. Creating layers of visibility that build upon each other helps provide a predictable rate of return for incremental investments while minimizing the risks of technology

dependence and obsolescence.

This requires a platform that is agile, flexible and scalable.

DXC OmniLocation digitizes infrastructure, assets and operations and provides the business rules to manage them, giving you clear visualization of your operations. OmniLocation's near-real-time environment and enterprise data integration offer you contextual business insights and metrics that quantify the impact of interruptions to your business operations and supply chain. OmniLocation uses geomatics — the analytics and management of geospatial data — to provide enterprise decision support, and features:

- **Complete geospatial visualization.** We help manage global transportation system metadata and monitoring by mapping, in 2D and 3D, interiors (indoor-to-shelf) and exteriors (from outer space to underground and undersea). We help you monitor your supplier, shipment, inventory value, volume and status.
- **Track, trace and trend data ingestion and transformation.** OmniLocation helps you track assets, vehicles, people and shipment locations, performance, health, availability and fit to purpose. With real-time analytics and multichannel notification, you can trace history, track behavior and predict trends.

<sup>1</sup> Business Continuity Institute (BCI) Supply Chain Resilience Report 2017 (sponsored by Zurich Insurance Group)

- **Active controls.** OmniLocation can take remote control of machines and machine-to-machine autonomic controls, and helps with planning and re-planning of logistics.
- **Resource workflow planning and management.** Built-in business intelligence helps you with predictive transportation analytics and task, team, schedule and route optimization.
- **Open and flexible architecture.** You get flexible, industry-recognized options for hosting, including software as a service (SaaS); managed; bare metal; integration with Azure IoT, AWS IoT, IBM Bluemix and HPE Universal IoT Platform; and a common content and analytics stack.

#### **Deliver measurable results**

DXC Technology's innovative approach combined with industry-leading expertise has helped numerous organizations realize measurable results:

- A **global manufacturer** wanted help monitoring its entire physical footprint and supplier network to respond quickly to disruptive events. For the company, OmniLocation enables autonomous monitoring for 14 different events and sends email or SMS alerts within a minute of event postings by government or other sources. DXC digitized the client's global footprint and suppliers within 4 weeks.
- A **mining company** configured the OmniLocation platform to combine two radio frequency identification (RFID) systems, high-resolution imagery and real-time telematics for asset management. This enabled the company to manage the security and availability of "dumb" assets while

managing the performance of smart assets spread across a 180-square-kilometer (69.5 square miles) remote mine site.

- A **travel and transportation company** improved fleet maintenance by collecting data from onboard diagnostics (OBD) devices, providing dispatchers and fleet managers with vehicle maintenance alerts in real time to reduce maintenance costs, potential vehicle breakdowns and the resulting supply chain disruptions.

#### **Gain deeper insights into your physical assets**

Near-real-time analytics, notifications and insights can head off disruptions and allow you to lower safety stocks. Better, more accurate communication of the state, status and performance of operations improves your relationship with suppliers, distributors and customers to enhance your revenue opportunities.

We can help you implement an open, repeatable technology stack for quick diagnosis and controls. Among many benefits, this approach helps optimize routes, tasks and scheduling. Implementation and returns are fast. Our QuickStarts approach delivers results within just 4 weeks, including software installation and configuration, as well as real-time autonomous events tracking, among many other functions.

Our OmniLocation solution provides advanced situational awareness and intelligence to:

- **Eliminate visibility gaps.** Quickly initiate process, technology or operational improvements to address supplier and transport issues.

- **Maximize asset utilization.** With end-to-end track-and-trace capabilities, you can maximize the utilization of your enterprise assets by monitoring the movement, activity and interaction of people, machines and vehicles.
- **Reduce asset ownership costs.** Using predictive asset management, you can optimize real-time asset utilization and lower the total cost of asset ownership through the recording, analysis, prediction and active control of assets in two-way communications.

#### **Get help with your transformation journey**

The digital transformation journey includes many stages, from mastering consumption to autonomous asset tracking, from expert analysis and opportunity diagnosis to mastery achieved through artificial intelligence-predicted events, prescribed processes and cognitive plans.

DXC's OmniLocation solution, surrounded with our deep industry expertise, is designed to help you master each step of that journey, enabling you to create an unprecedented level of insight into your supply and distribution chains.

Contact DXC today at [www.dxc.technology/contact\\_us](http://www.dxc.technology/contact_us) to learn how we can help you assess current supply chain visibility gaps or engage in a proof of concept for your environment.

#### **Learn more at [www.dxc.technology/analytics](http://www.dxc.technology/analytics)**

#### **About DXC Technology**

DXC Technology (DXC: NYSE) is the world's leading independent, end-to-end IT services company, serving nearly 6,000 private and public-sector clients from a diverse array of industries across 70 countries. The company's technology independence, global talent and extensive partner network deliver transformative digital offerings and solutions that help clients harness the power of innovation to thrive on change. DXC Technology is recognized among the best corporate citizens globally. For more information, visit [dxc.technology](http://dxc.technology).