

DIGGING INTO BIG DATA TO FINE-TUNE DC OPERATIONS



SMART SOLUTIONS FOR TRANSPORTATION



ASSET TRACKING



FLEET MANAGEMENT



REMOTE MONITORING

GPS-enabled devices on pallets offer more visibility into freight—where it's sitting, what condition it's in, and when it will be delivered. Temperature and humidity sensors alert to changing conditions that could potentially jeopardize a cold-chain shipment.

GAINING A CLEARER VIEW OF THE SUPPLY CHAIN PATH

This fusion of data from numerous sources throughout the supply chain offers distribution managers a greater view into how well facilities are performing against specific operational metrics like inventory flow. They can see where product is located, where it's getting hung up and at what point damage or extra costs may be occurring. This information can be used to help identify more efficient ways to move cargo from point A all the way to point Z.

When major risks that disrupt the supply chain flow are reduced, distribution centers can focus on building a planning and implementation strategy for the future, to keep DC operations running smoothly and deliveries on schedule.

CONNECTING MACHINES, DATA AND PEOPLE ACROSS THE SUPPLY CHAIN

All of this data doesn't mean a thing unless it's served within a meaningful context that gives logistics managers the actionable insight they need to improve performance.

The robust Verizon network is the backbone of a powerful machine-to-machine solution that securely connects devices, data and people across the supply chain. When you combine that with our cloud solutions, you can turn your data into the insight you're looking for.

By bringing together the technology that collects critical data and transforms it into action, Verizon helps transportation companies obtain a 360-degree view of everything in the supply chain pipeline to help make day-to-day operations more efficient, control costs and ensure faster deliveries.

Companies that can fully tap into the possibilities of connected machines will gain eye-opening insights to help optimize distribution, delivery routes and warehouse operations—and competitive advantage.

THE FIRST STEP TOWARD ALL-KNOWING DECISIONS: SEEING DATA FROM ALL OVER

When a recent DC Velocity survey¹ asked what performance metrics mattered most to distribution center (DC) professionals, "on-time shipments" once again topped the list. This year, companies are seeking to boost operations with an intense focus on keeping inventory flowing smoothly and quickly.

Multiply the number of connected devices, and the possibilities—and data—are virtually endless.

Shippers recognize the opportunity that big data offers, as they race to translate it into actionable insights to help save both time and money—and launch them ahead of the competition. In fact, over half the respondents in a preliminary study review published in DC Velocity,² said their organizations saw tremendous value in using big data.

TRANSLATING BIG DATA INTO BIGGER OPPORTUNITIES

So, what are shippers hoping to do with all this data? Recent surveys indicate that gaining clearer visibility into orders, shipments and inventory, improving transportation management planning, and enhancing transportation management execution are top goals.

KEEPING OPERATIONS ON TRACK AND DELIVERIES ON TIME

All this collected data gives managers a more in-depth glimpse into orders, stock and shipments to help reduce back orders and keep deliveries on schedule. Real-time fleet data, for example, offers a deeper level of visibility and control over what's happening on the road.

GPS devices in vehicles can track location, speed, idle time, fuel usage, engine diagnostics and other fleet management data. Having these critical details at hand helps reduce the risk of speed-related accidents, curb maintenance and fuel costs and identify potential problems before they escalate and derail operations.

MITIGATING LOSS IN AN UNPREDICTABLE, FLUID ENVIRONMENT

According to a recent study,³ economic losses from supply chain disruptions skyrocketed between 2009 and 2011. Knowing exactly where assets are at any point along the supply chain makes it easier to address possible issues and make any last-minute changes to help lower the risk of losing valuable goods.

Discover the many ways transportation solutions are helping businesses succeed:
VERIZONENTERPRISE.COM/TRANSPORTATION



Of course, tracking, monitoring and measuring have long been a critical part of the DC and transportation equation. With the surge of connected devices, it's becoming easier and more cost-effective to keep tabs on just about everything across the supply chain.

¹Survey

²"On the Up and Up" DC Velocity, 24 April 2013, <http://www.dccvelocity.com/articles/20130424-on-the-up-and-up/>

³Shippers Show Big Interest in Big Data" DC Velocity, 13 July 2013, <http://www.dccvelocity.com/articles/20130713-shippers-show-big-interest-in-big-data/>

⁴Key Findings: Supply Chain Disruptions" 2013 Third Party Logistics Study, <http://www.3plstudy.com/key-findings/supply-chain-disruptions/>

Network details and coverage maps at vzw.com.
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