# WHEN EVERY SECOND COUNTS, HONEYWELL DELIVERS.

ACCURATE, ON-TIME, AND FLAWLESS FULFILLMENT – THE FIRST TIME, EVERY TIME

With the growth of e-commerce along with rising consumer expectations for same-day delivery, today's distribution centers are under heightened pressure to speed order fulfillment and optimize their operations.

How are today's smartest DCs doing this? With Honeywell.

Only Honeywell has the breadth of innovative, connected products and workflow solutions that enhance workplace safety and productivity and improve enterprise performance. With Honeywell, you'll have a connected workforce that's faster, more accurate, and more flexible to meet changing demands – boosting DC performance, while reducing costs.
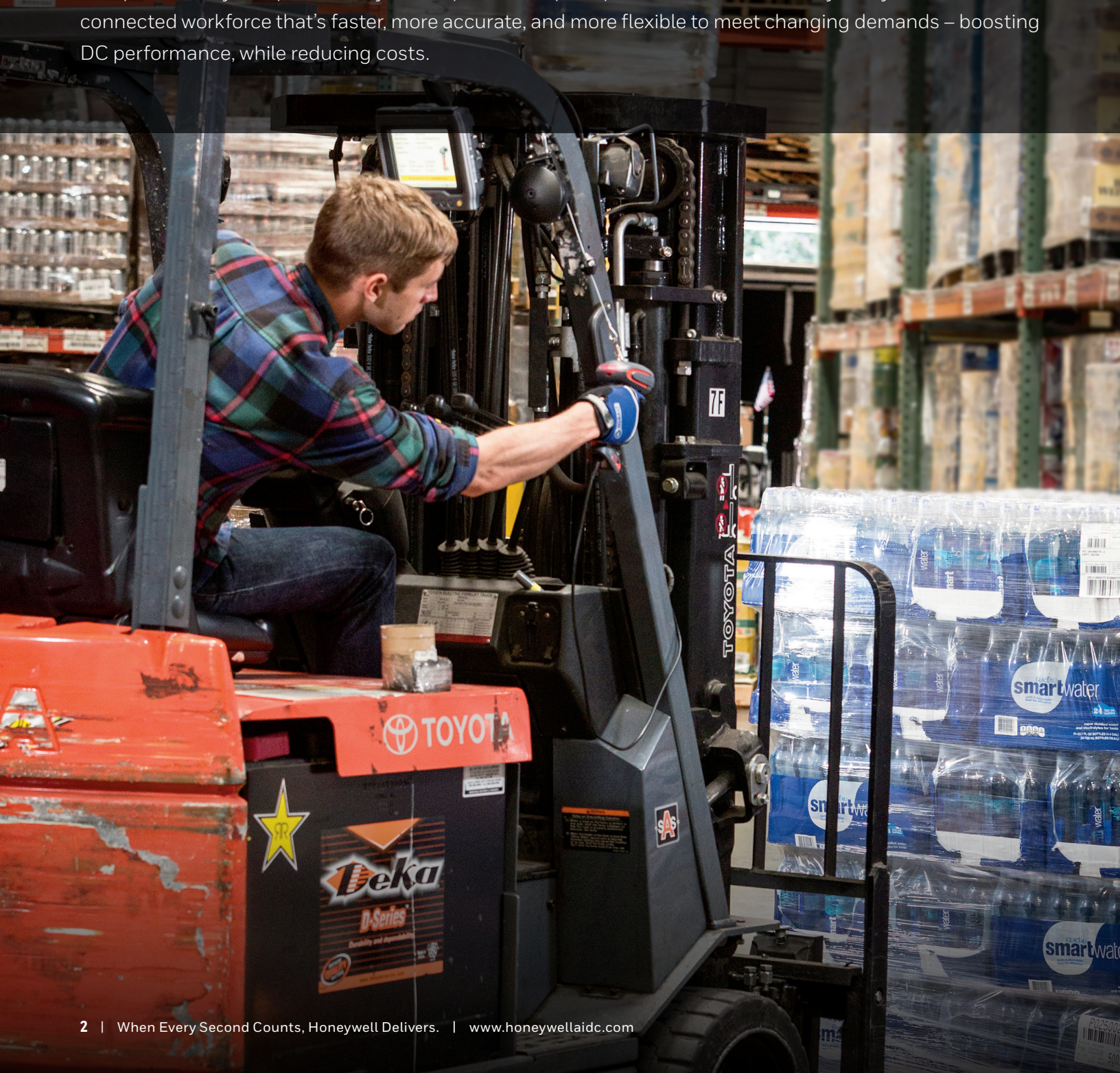
# Boosting DC Worker Productivity in a New Era of Connectivity

Honeywell's passion for productivity improvements drives our deep knowledge of distribution centers, and ensures that we're focused on the issues that make a real difference to your business: Discovering new ways to achieve operational efficiency and productivity, while also driving down labor costs.

Honeywell research reveals that the average amount of unproductive time per 8-hour work shift has actually increased by 7 minutes since 2012, rising from 15 minutes to 22 minutes. And, with approximately 134 mispicks happening every week, the average company is losing over $459k per year.

When it comes to quantifying the value that gaining back mere seconds on unproductive workflows presents to overall efficiency, a DC with a minimum of 50 workers is losing close to 3,000 hours a year in productivity.

Honeywell has made a big difference for supply chain leaders around the globe – enhancing safety and productivity for over 500 million workers annually. Our data capture and workflow solutions have shaved over 6 hours on dock-to-stock times, leading to over $20 billion in savings for our customers.
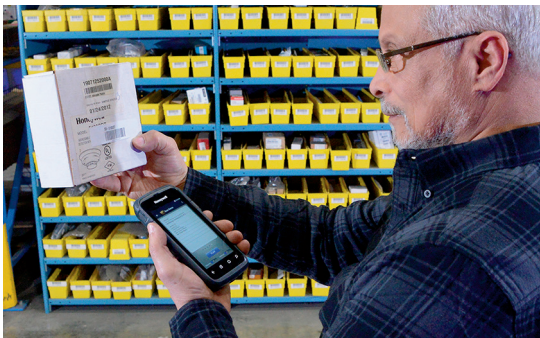
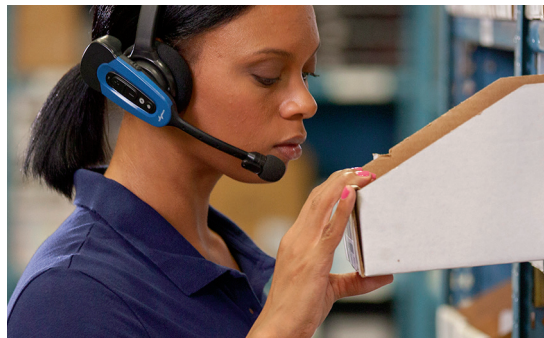## How Honeywell Is Helping the World's Leading DC Operations
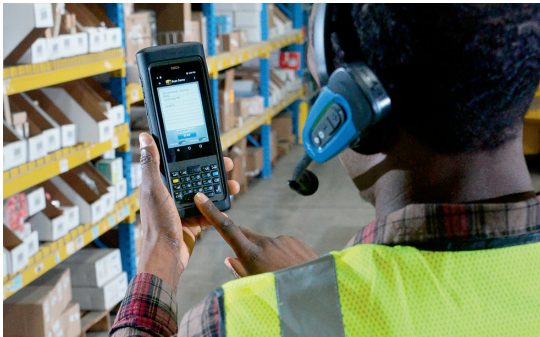
500M+ WORKERS YEARLY are more productive and safer due to Honeywell solutions

6 HOURS REDUCTION in dock-to-stock time from Honeywell solutions and workflow improvements

99.99% IMPROVEMENT in picking accuracy by moving from paper-based processes to Honeywell mobility and voice solutions

+$20B ANNUALLY SAVED in productivity and accuracy from Honeywell voice solutions

---

SOLUTIONS FOR THE CONNECTED DC WORKER

Welcome to your Distribution Center – redefined. Only Honeywell gives you technology that easily connects your people, assets, and processes to drive greater productivity, agility, and efficiency throughout your supply chain and DC.

Receiving

The receiving process is arguably the most important process in the DC: All downstream workflows depend on the accuracies and efficiencies achieved during receiving. Accurate data entry at this phase is critical for preventing costly cascading errors. Honeywell helps make receiving both rapid and extremely accurate with scanning that ensures accurate first-time barcode reads, even for codes that are damaged or difficult to read. Likewise, Honeywell mobile printing enables workers to correctly label products and pallets without wasting time walking to and from printer stations. These types of optimizations ensure immediate action and accurate data from the start, safeguarding your downstream workflows as well as driving quality control and vendor compliance.

Picking

Picking is by far the most labor-intensive process in the DC and also the most error-prone – which makes it an ideal workflow for operational improvements. As e-commerce becomes the norm and enterprises adopt multi-channel fulfillment practices, picking operations need the flexibility to both ship pallets to a retail store and ship individual items directly to a consumer's doorstep. For fast-moving pallet picking, our industry-leading vehicle-mounted computers paired with our near/far imaging industrial scanners eliminate the root causes of inefficiency with large screens, powerful processors, and numerous industry-first innovations devised specifically for the DC. Likewise, for rapid case picking and/or piece picking, Honeywell technologies seamlessly incorporate Vocollect™ voice solutions, which are proven to dramatically improve productivity with unbeatable hands-free, eyes-free speed and accuracy.

Putaway and Replenishment

A DC pallet's initial location influences all the processes that follow. A Warehouse Management System's (WMS) algorithms for putaway and replenishment can only ensure location accuracy if the operator has the tools to accurately confirm the transaction by rapidly scanning a location label or speaking a check digit for the rack or floor location. Honeywell technology is specifically designed to drive speed and accuracy in this process with features such as aggressive scanning performance at virtually any distance and fully mappable device keypads. Even when a transaction requires an operator to change forklifts, Honeywell vehicle-mounted computers can be hot-swapped alongside the worker, ensuring that every second counts. Likewise, Vocollect Bluestreak™ and SoundSense™ technologies accelerate performance with unmatched speech-recognition accuracy in noisy environments.

Inventory Control

Inventory-control practices throughout the distribution center are vital to the accuracy of overall inventory, which is monitored closely by auditors. By using mobile computers and/or Vocollect voice solutions to access inventory systems and perform counts, workers can conduct inventory in real-time, eliminating the notoriously costly efforts and errors of periodic manual counts that are conducted via time-consuming paper and data-entry processes.

Packing and Shipping

Packing stations and pallet-build areas require speed and precision to complete and ship orders. Desk space must be optimized, and scanning technology must be responsive, accurate, and ergonomic so that workers see these tools as essential, and not a hindrance to the process. Thanks to many years of experience in DC deployments, Honeywell scanning and printing solutions for the DC are proven to meet and exceed all these requirements, driving superb user acceptance and performance. Honeywell's AutoCube™ dimensioning solution provides real-time, accurate dimensioning information to outbound shipping systems so that shippers can minimize costs and maximize profits in their outbound workflows. Furthermore, Vocollect voice solutions enable workers to operate both hands-free and eyes-free, ensuring that associated tasks such as relabeling, repacking, and taping are completed more quickly and intuitively than with any other technology option.

A BROAD PORTFOLIO OF SOLUTIONS DESIGNED FOR THE DC

More than 80 percent of global transportation and logistics companies that are seeking an AIDC solution choose Honeywell. That's because we have the broadest technology and solution capability in the AIDC industry, including:

Scanning – Superior durability and reliability, with water- and dust-proof housings and rubberized to reduce damage from falls. Choose from laser, linear image, and area image industrial scanners for fast and accurate scanning, the first time and every time.

Handheld and Vehicle-Mounted Computing – Built ultra-rugged for the DC environment, with industry-leading drop and tumble specs and cold storage environment options. With full touch and keypad form factors and near/far range scanning based on your application needs.

Fixed and Mobile Printing and Media – From desktop to industrial to mobile, the clear choice for a wide variety of labeling applications in the DC and in the field.

Voice Solutions – Vocollect voice solutions are innovative workflow performance technologies designed for the warehouse and DC. Vocollect gives you best-in-class voice-enabled workflow processes and streamlines your mobile workforce. The result? Higher levels of operating efficiency, helping you run a better business with voice.

RFID – Ideal for applications such as inventory cycle counts, omni-channel order fulfillment, receiving new product, and pick lists – lightweight yet rugged for tough DC environments.

Managed Services and Break-Fix Repair – Device deployment, depot, and helpdesk support, along with mobile device management (MDM) administration.

We also feature a broad portfolio of **workflow software solutions** designed to automate critical DC processes. For example, our directed-work solutions are proven across thousands of customer deployments worldwide to increase worker productivity and reduce errors – with *up to a 35% increase in worker productivity and over 99% improvements in task accuracy*.

In addition, Honeywell Intelligrated provides intelligent material handling solutions that drive fulfillment productivity for logistics providers around the world. These connected solutions increase reliability, improve utilization, and maximize productivity, today and in the future. To learn more, please visit the Intelligrated website at www.intelligrated.com.

THE HONEYWELL MOBILITY EDGE PLATFORM:

Reduce Complexity. Regain Your Edge.

For DCs transitioning from Windows Mobile® to Android™, Honeywell offers peace of mind and a lower total cost of ownership with its Mobility Edge™ platform. Mobility Edge is a unified hardware and software platform that accelerates mobile device deployments, optimizes performance, and extends product lifecycle – with support through Android R.

For Connected Supply Chains

Get the Job Done with Visibility, Accuracy, and Efficiency

Honeywell Connected Supply Chain solutions help you know and drive your supply chain to optimal scalability, sustainability, and performance. They give you data-driven insights on inventory management, worker efficiency, and risk and loss control to grow your supply chain as well as optimize its size and profitability. Customers using these solutions have experienced:

INVENTORY:
- 60% reduction in days of inventory supply
- 99+% on-shelf compliance (vs. 96% industry average)
- Improved inventory accuracy to >90%

LABOR:
- Up to 30% increase in labor productivity
- Up to 80% reduction in training time
- Up to 90% reduction in errors

LOSS AND RISK:
- 50% reduction in waste due to freight losses
- 75% decrease in claims processing effort
- 40% faster turnaround of vehicles in maintenance
- 10% decrease in deadhead hauls

For Connected Workers

Get the job done fast, right, and safe.

Honeywell Connected Worker solutions deliver real-time contextual information to help your workers make faster and better decisions – benefiting your bottom line. Your workers will have actionable insights to increase their throughput, productivity, and safety. Customers using these solutions have experienced:

COMPLIANCE:
- 25% reduction in compliance costs
- Increased use of proper personal protective equipment
- Better protection of workers when incidents do occur

PRODUCTIVITY:
- 30% improvement in data capture speed
- 40% reduction in error rate
- Less paperwork for more task-focused work

SAFETY COSTS:
- 40% reduction in lone worker incidents
- $1 to $3 million avoidance of per-site costs from fewer incidents and fines

## CONNECTED SUPPLY CHAIN SOLUTIONS

Voice in the DC

Speeds task accuracy and improves worker productivity by voice-directing workers through complex, error-prone tasks. Because voice-directed work makes DC workers' jobs easier and more intuitive, it has also been proven to enhance worker satisfaction and safety.

Connected Freight

Developed in partnership with Intel, the Connected Freight solution enables companies to connect, track, and protect high-value shipments and products throughout their operations. It improves contract compliance and reduces damage, resolves spoilages, and minimizes theft by allowing you to achieve pallet to case tracking.

Movilizer for Track & Trace

Movilizer for Track & Trace allows companies to better track and protect their critical shipments – enabling better regulatory compliance and improved supply chain and asset visibility – so you can defend your brand and prevent fraud, and gain greater brand loyalty and sales.
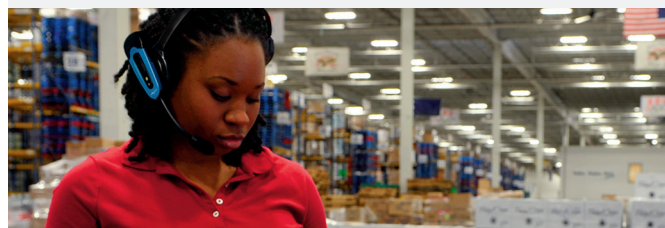
CONNECTED WORKER SOLUTIONS

Voice Maintenance and Inspection

Like other Honeywell voice solutions, Voice Maintenance and Inspection leads to dramatic increases in worker efficiency (20% to 70%), accuracy, and satisfaction. It also provides DCs with greater enterprise visibility because they can compare each site side by side, standardize workflows for optimization, and distribute process changes quickly and reliably.

Movilizer for PMCS

The Honeywell Movilizer cloud-based solution connects your back-end systems to your internal and external technicians, helpdesks, planners, supervisors, and service managers, your customers, and even to your equipment in one single interconnected mobile application. This equipment-centric cloud offering enables your technicians to always have access to any equipment information, driving up to a 40% increase in asset uptime and 30% increases in asset utilization with over 99.9% asset availability.

ONLY HONEYWELL.

Only Honeywell has the breadth of innovative, connected products and workflow solutions that enhance workplace safety and productivity and improve enterprise performance.

Contact us today to find out what your business can achieve with Honeywell:

Call 800-582-4263 or visit www.honeywellaidc.com.

For more information

www.honeywellaidc.com

Honeywell Safety and Productivity Solutions

9680 Old Bailes Road
Fort Mill, SC 29707
800-537-6945
www.honeywell.com

Honeywell