Operations Director's Guide to

2X Warehouse Receiving Productivity

with Mobile Powered Receiving Stations

NEWCASTLE SYSTEMS

ZEBRA
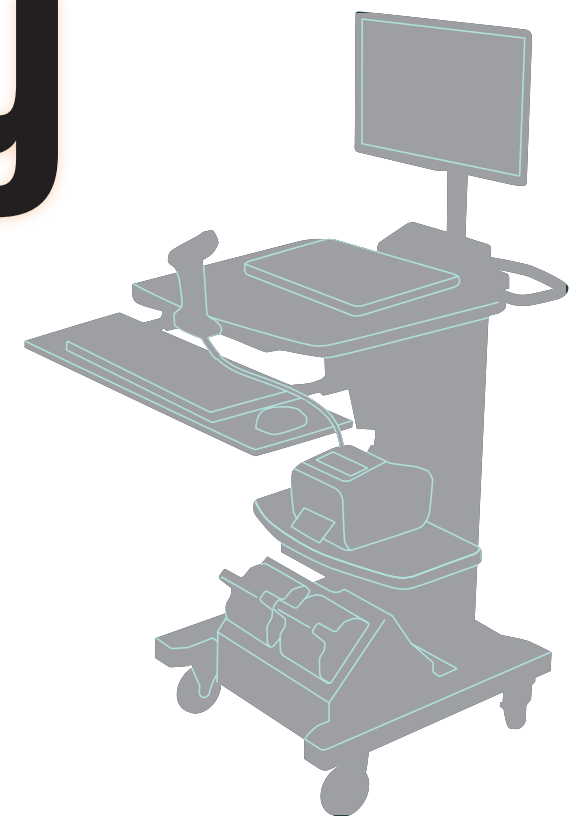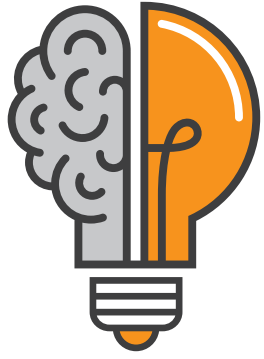
Working Smarter in the Warehouse

IMPROVING RECEIVING EFFICIENCY AND ACCURACY AFFECTS THE ENTIRE OPERATION

Pushed to do more with less, and to keep workers as productive as possible in the midst of a labor crunch, warehouse and distribution center (DC) managers need state-of-the-art tools that help them achieve their goals while also minimizing errors and ensuring high levels of customer satisfaction.

The receiving area is prone to errors—just one of which can have a tenfold impact across the rest of the warehouse or DC. Left to chance, the unoptimized receiving process not only erodes a material handler's overall efficiency, but it can also create key labor, productivity, and profitability issues.

Mobile powered receiving stations help managers boost stock to cycle time, eliminate improperly labeled products, and minimize inaccurate inventories while saving thousands of dollars in the process.

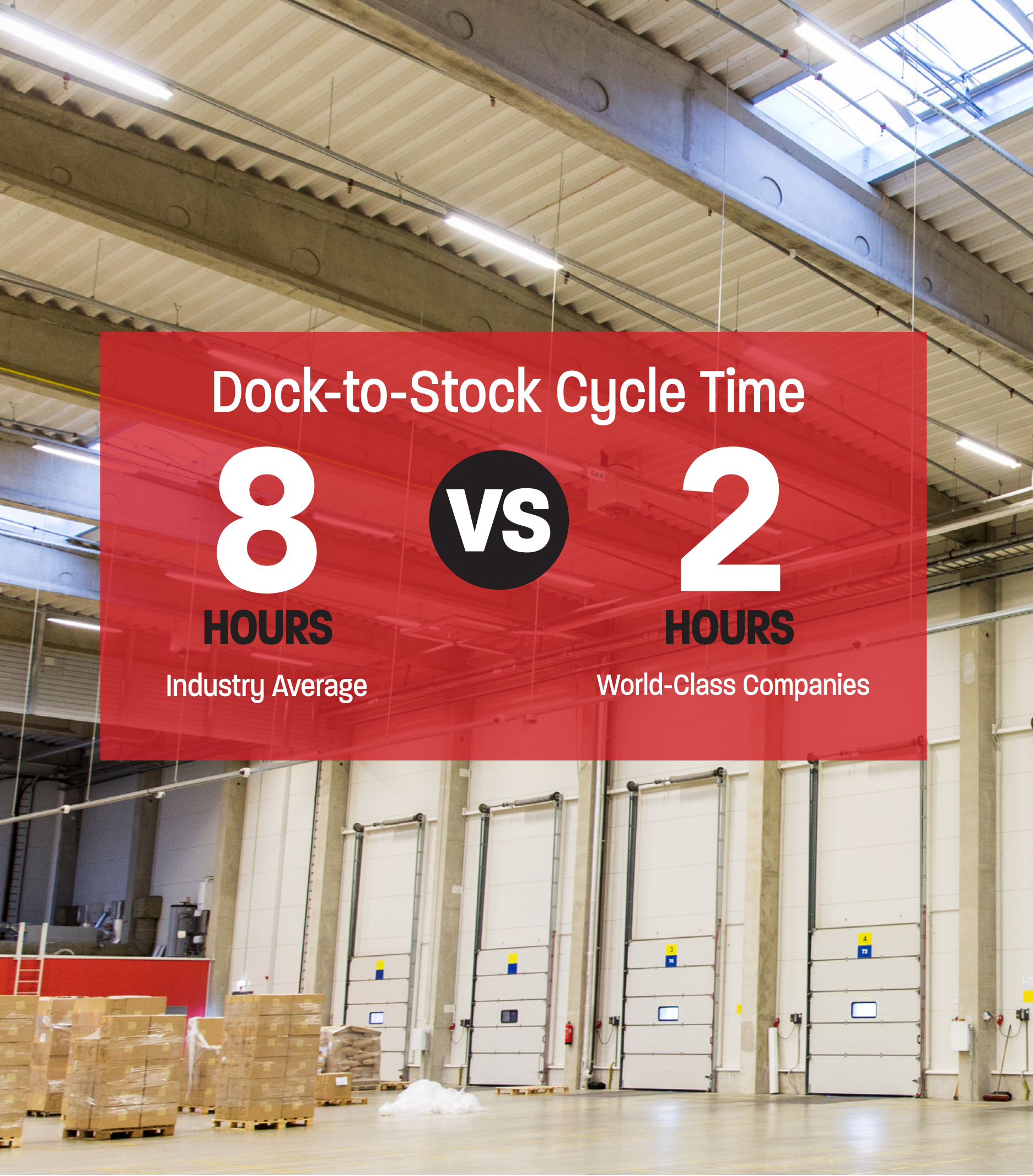## Mobile Powered Receiving Stations:

MINIMIZE
Inaccurate Inventories

REDUCE
Improperly labeled products

REDUCE
Labor costs by up to $10k / worker
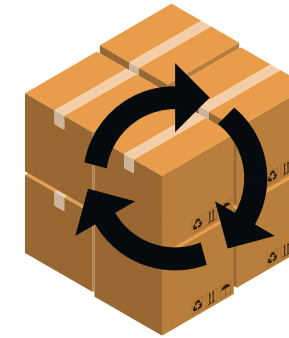
Improving Dock-to-Stock Cycle Time

## Dock-to-Stock Cycle Time

8 HOURS Industry Average

VS

2 HOURS World-Class Companies

BOOSTING DOCK-TO-STOCK TIME LEADS TO SIGNIFICANT LABOR SAVINGS

Organizations across all industries are seeking ways to speed up receiving, moving shipments off their loading docks as quickly as possible. World-class companies have a dock-to-stock time of two hours or better, but the industry average is more like eight hours (at best).

Product waiting to be received is very costly as it impacts inventory turns, customer service, and order cycle times. It also creates space issues and congestion in companies that can't handle the volume.

A leading Global 3PL recently implemented Mobile Powered Stations into its process. By enabling its workers to bring computers and printers directly to the point of work, the company gained an overall labor savings of $17,000 per month.
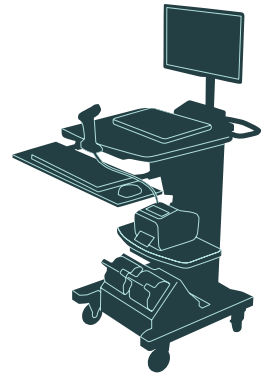
What are Mobile Powered Receiving Stations?

REDUCE LABOR BY AS MUCH AS $10,000 PER WORKER BY AVOIDING BACK-AND-FORTH MOVEMENT

Designed to provide true mobility anywhere in a facility, mobile-powered workstations are helping warehouse and DC managers solve their most pressing pain points while also enhancing worker productivity.

Whether the goal is to cut down on the amount of time spent walking back-and-forth to retrieve labels and paperwork, eliminate the time spent bringing product to a workstation for processing, or give workers access to a full PC or laptop out on the DC floor, a mobile workstation helps achieve those goals—and more.

Operating in any environment equipped with a hard floor and Wi-Fi, mobile workstations fill a critical need in today's fast-paced warehouse or DC, where reducing man hours, errors, touch points, and paper are money-saving necessities.

ERGONOMIC
Adjustable for employees of all sizes

RECHARGEABLE
Full-shift capacity; hot-swappable

CUSTOMIZABLE
Configure station to your unique needs

Receiving Software

Wireless Zebra Barcode Scanner

High Performance Zebra Printer

Mobile Receiving Station
(Newcastle Systems NB Series Cart w/ PowerSwap Nucleus Lithium Power System)

" They are the best thing I have ever placed into my receiving process for productivity, flexibility, and function!!"

JOE H.
PARTS LOGISTICS MANAGER

Mercedes-Benz

50 PERCENT

Reduction in 'Costly Motion' Using Mobile Powered Receiving Stations

2x Worker Productivity by Taking Fewer Steps

REDUCE LABOR BY AS MUCH AS $10,000 PER WORKER BY AVOIDING BACK-AND-FORTH MOVEMENT

By minimizing unnecessary "touches" and the number of steps that workers have to take on the warehouse floor, managers can essentially double workforce productivity while also eliminating costly waste. It's really simple math. If you cut your motion in half, you can double productivity.

If workers are forced to walk back and forth to printers or wait around for orders or information to come from upstream departments, the wasted hours start to accumulate pretty quickly.

In an operation where thousands of cartons are coming into a facility on a daily basis, for example, printing and retrieving label for those cartons one pallet—or even one truckload—at a time generates hundreds or even thousands of extra steps.

Direct Relief Speeds Up Handling of Healthcare Supplies
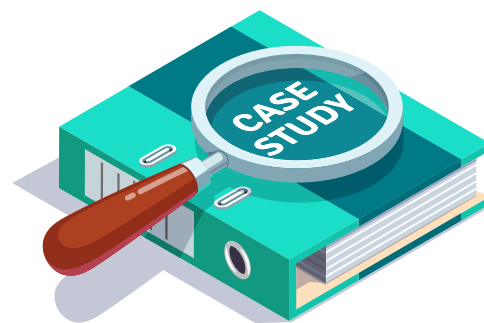
|			
🧳	**Direct Relief**	📍	**Santa Barbara, California**
ℹ️	**Non-profit medical supply distributor**	⚠️	**Limited storage space; fast shipping is important**

Direct Relief has been providing medical supplies to the needy of the world for nearly 70 years. To improve speed while still maintaining accuracy, Direct Relief recently moved to paperless processing and implemented Newcastle Systems' mobile carts with integrated power supply. The 12 carts are currently used for inbound receiving, double-checking picked orders, and as mobile pack stations.

Direct Relief's combination of paperless processing along with the carts has led to some impressive results. "In the first month that it went live," says Tighe,"we had an increase of 40% of the number of batches that we received. We did them more accurately and in 20% less time. We've also been able to cut the time it takes to pack and ship by almost 70% due to the increased efficiency."
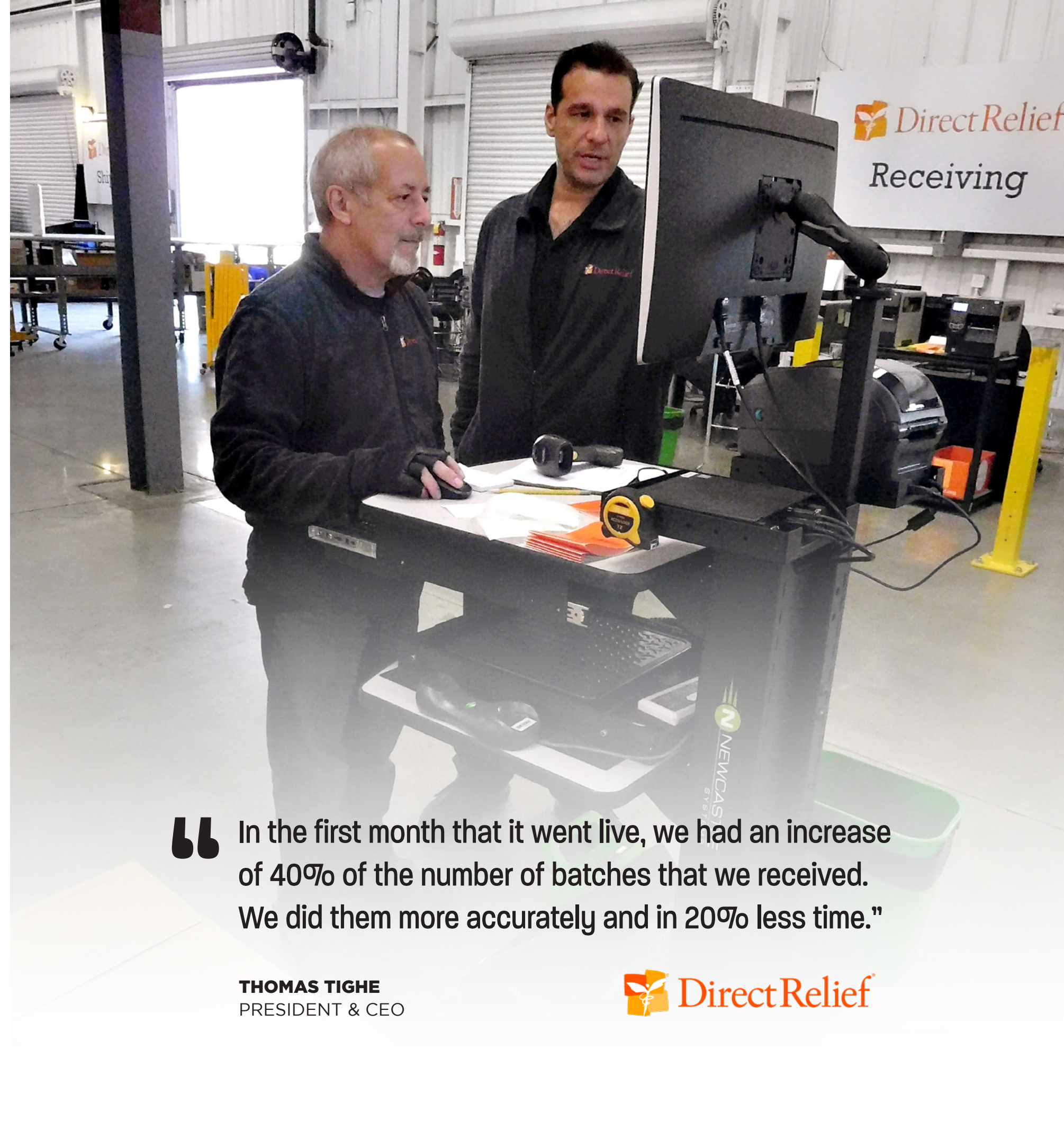
> " In the first month that it went live, we had an increase of 40% of the number of batches that we received. We did them more accurately and in 20% less time."

THOMAS TIGHE
PRESIDENT & CEO

DirectRelief

Calculating the ROI for Mobile Powered Receiving Stations

YOUR COMPANY WILL SEE POSITIVE ROI IN 4-6 MONTHS.

It's easy to underestimate how much time is spent walking back and forth to fixed printers, computers, scales and other equipment, but it is a costly practice. By eliminating just eight minutes of walking per hour, thousands of dollars can be saved over the course of a year.

		Multiple Facilities
Number of minutes (per hour) spent walking to a static printer or computer desk	8	8
Average labor rate (w/ benefits) per hour	$22	$22
Number of work hours per week	40 hours	40 hours
Number of mobile stations you want to implement throughout your facility	5	100
Average cost of mobile powered workstation	$3,000	$3,000
▼ YEARLY SAVINGS ▼		
$$ saved per year when walking is eliminated	$30,507	$610,133
Hours saved per year	1,387	27,133
Number of months to pay back initial workstation purchase	5.9	5.9

Calculate your potential savings at: **newcastlesys.com/ROI**

NEWCASTLE SYSTEMS

Newcastle Systems is an innovator of workplace mobility solutions for many of the world's leading retail and operations companies.

As the leading provider of Mobile Workplace© solutions, Newcastle Systems provides the means to dramatically improve your employee and facility productivity without major changes to your infrastructure, software or processes.

A Newcastle Systems' Mobile Workplace© facility requires less equipment and less power to do the same work as a standard workplace configuration.

THE VALUE NEWCASTLE SYSTEMS BRINGS TO YOU:

- 75% Reduction in Overtime
- $7,500+ Reduction in Labor Costs per Operator
- 63% Increase in Receiving Volume
- 30% Increase in Picking Rates
- 90% Reduction in Labeling Errors
- ROI in 4-6 Months

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