

## Simplifying the Shipment Journey

The Fast Lane:

Increasing Expectations in the Supply Chain

The shipping industry is facing new challenges. Fueled by consumer demands, e-commerce sales have continued to increase while last mile deliveries have grown more complicated. Customers expect faster shipping times and more convenient fulfillment options.

The result is that warehouses, distribution centers, and 3PLs are expected to grow their businesses as they run operations faster, cheaper, with 100% transparency, while achieving 99% accuracy.

**Inventory** in Motion

**23** packages

per person shipped globally each year<sup>1</sup>

> 2,760 packages

shipped every second<sup>1</sup>

## The Challenges

### **Rising Costs**

Mistakes can get expensive

The annual cost of chargebacks due to mistakes in shipping<sup>2</sup>

The annual cost of mis-picks to the average warehouse<sup>3</sup>

How much pick time increases with every error4

How much shipping costs increase when re-shipping and expediting late items4

### **Need for Skilled Workers**

Good help is hard to find

More than 50% of warehouse labor

resources are involved in order pick-pack-ship activity<sup>5</sup>

Labor costs constitute

operating budgets<sup>6</sup>

warehouse workers outpaces supply by a of most warehouse facilities

6:1 ratio

Demand for skilled

### What can decision makers do to successfully navigate these challenges?

# **One Simple Solution: RAIN RFID**

through:

**Drives value** 



#### Accuracy Minimize costly errors

and mis-shipments the first time

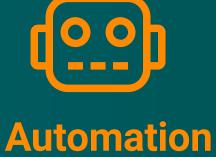


and streamline tracking and management tasks



#### Achieve traceability throughout the

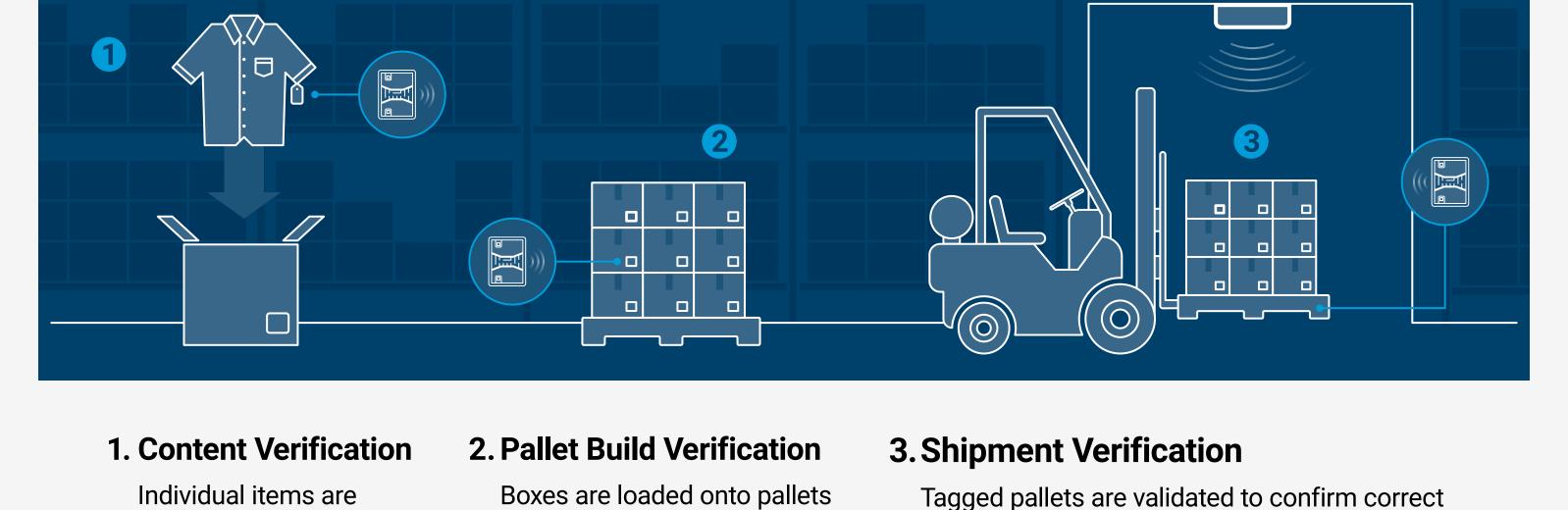
supply chain



### Eliminate manual,

error-prone data collection

**RAIN RFID in Action** 



#### validated against the order as they are packed.

#### Pallet contents are validated and ready for shipment.

Benefits

based upon shipment location.

#### truck. Inbound shipments are unloaded, validated, and received into inventory automatically.

outbound shipments before being loaded onto the

### Adding RAIN RFID to your shipping strategy can result in tangible ROI:

increase in shipping

reduction in picking

error rates<sup>6</sup>

improvement in

receiving time<sup>7</sup>

/picking accuracy<sup>7</sup>

productivity<sup>3</sup>

and chargebacks<sup>8</sup>

decrease in claims

order shipment accuracy 9



the cloud, through edge connectivity

devices, all the way to physical items.

Impini enables digital transformation by extending the Internet of Things from

www.impinj.com



Barcoding, an Impini Gold partner, is a supply chain automation and innovation company that helps organizations be more efficient, accurate, and connected.

With extensive subject matter expertise in data capture, labeling and printing, and mobile computing, we are trusted to build and manage solutions for some of the best IT and operations teams in the world. Founded in 1998, Barcoding is headquartered in Baltimore, Md., with offices across North America (Chicago, Houston, Seattle, Montreal, Toronto, and Vancouver).

Contact us to learn more www.barcoding.com



2020; 4. Fulfillment Companies, "The True Cost of a Mis-Shipment"; 5. Conveyco, "Top Order Fulfillment Key Performance Indicators," 2016; 6. Conveyco, "20 Warehouse Automation Statistics That'll Blow Your Mind," 2020; 7. Auburn University, RFID Lab Studies; 8. The SMS Group, "6 Ways RFID Technology Can Increase Operational Efficiency and ROI"; 9. GS1 US, "Project Zipper—EPC/RFID Retail Supply Chain Data Exchange Study," 2018