

# VOICE SITE ANALYSIS

## Application Note

### SITE FACTS

Facility size: **720K square feet**

Number order selectors/shift: **75**

Number put away/replenishers/shift: **20**

Number shifts: **2**

FTE productive hours per shift: **7.25**

### ASSESSMENT AREAS OF FOCUS

#### People

Tools, technology and training to make your workers more efficient and effective.

#### Process Enhancements

Recommendations to optimize operations.

#### Physical

Areas for potential improvement not related to technology but impacts worker performance.

### KEY TAKEAWAYS

A bulleted executive summary of considerations noted during the DC Walkthrough follows. Some of the key items that would optimize the business in the distribution center are:

#### Order Selection

- 20% order picking improvement resulting in approximately \$147,000 annual savings.

- Eliminate time interacting with RF wearable and serial process steps.
- 64% fewer steps with Voice enabled workflow compared to RF handhelds.
- Provide workers access to information reducing travel and time away from task.
- Change the pick sequence within flow rack areas and decrease picking errors.
- 70% improvement in picking accuracy – approximately \$75,500 annual savings.
- Reduce travel by batch/cluster picking and re-slotting slow moving area.

#### Put Away And Replenishment

- 8 to 12% productivity improvement.
- 41% decrease in data confirmations representing approximately \$11,300 annual savings.
- Eliminate multiple devices (scanner, vehicle mounted computer).
- Help Increase safety and awareness.
- Help decrease equipment damage with Voice enabled workflow (no texting and driving).
- Provides Voice solution metrics on time spent on non-value added activities.

\* Data provided based on site analysis for a 720k square foot facility with 75 order selectors.

## 20%

Improvement in picking productivity

## \$147,000

Annual savings in order selection

## 64%

Fewer steps vs. RF handhelds

## 70%

Improvement in picking accuracy

## \$75,500

Approximate annual savings from reduced picking errors

## \$11,300

Approximate annual savings from productivity in put away and replenishment

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## RECOMMENDATIONS

- Implement pick right and pass on left to manage aisle congestion.
- Track root cause of problem totes to measure improvement efforts.
- Stagger 15-minute breaks to avoid straining network and wait time at printers.
- Move carton preparation from selectors to replenishment activity.
- Schedule service and adjustment for printers — consider Operational Intelligence for proactive asset management.

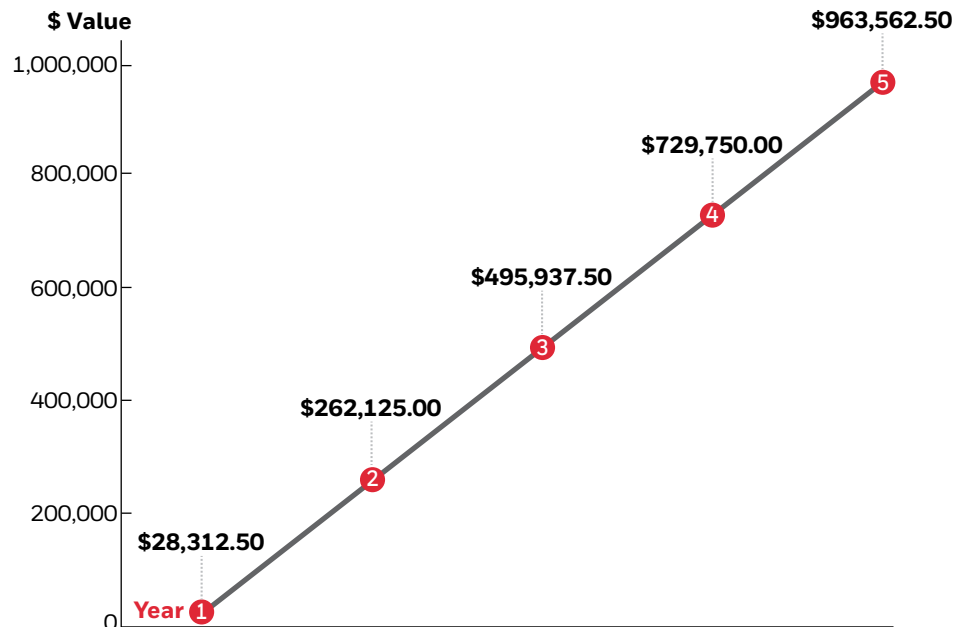
## ADDITIONAL POTENTIAL OUTCOMES

- Increased customer satisfaction.
- Increased employee safety and satisfaction leading to better employee retention.
- Reduced returns processing costs and loss.
- Reduced audit times and dock congestion leading to more on time shipments.
- Real-time operational metrics to better manage day to day activities.

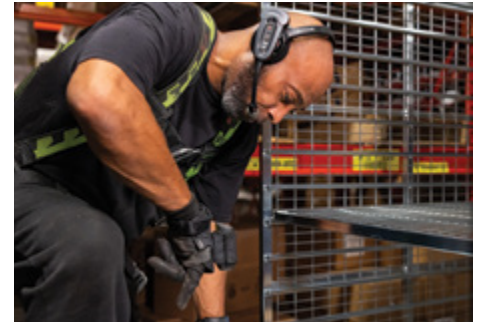
## SOLUTION AND RETURN ON INVESTMENT (ROI)

Voice solutions by Honeywell provide a sound return on investment while revolutionizing the workplace. Over a five-year period, the net savings per worker, per day may be \$5.14 with an accumulated savings of \$963,562.50.

### Accumulated 5-Year Savings



For more information about Honeywell Guided Work Solutions, contact a CDW Account Manager at 800.800.4239



### 5-YEAR ANALYSIS

Description	Per worker, per day
Solution cost	\$1.10
Savings	\$6.24
Net Savings	\$5.14

### SOLUTION AND ROI

Cost	ROI (in months)
\$205,500.00	\$10.55

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