



zippany onsoonRF

IOT REAL-TIME RFID ECOSYSTEM



LONG RANGE

15 ft
up to 25 ft



SUPERIOR READ RATE

170 tags per
second



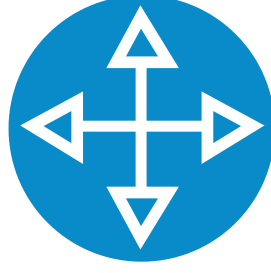
6 HOUR FULLY INSTALLED

Easy and fast



99.9% ACCURACY

UP AND RUNNING
24/7 with 99.9%
accuracy



WIDE AREA COVERAGE

1 unit per 100 sq ft
suggested

CONTACT

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OUR TEAM

Bring your in-store inventory accuracy up from 60-70% to 99% via our globally patented RFID light bulb sensors. As easy as replacing a light bulb!

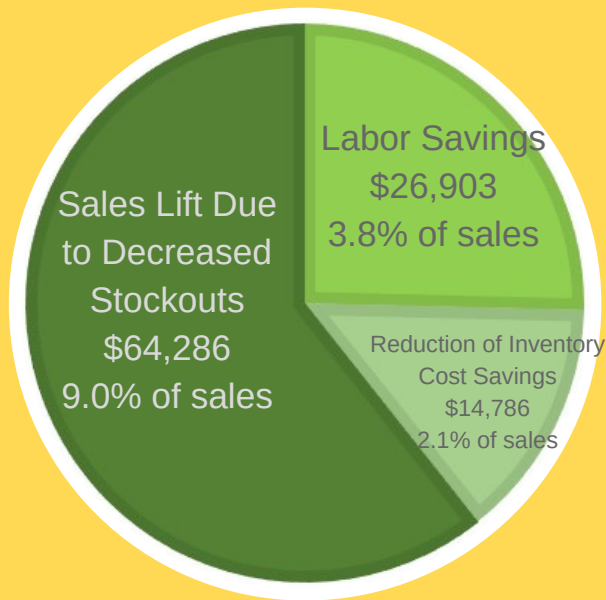
Ask us what we are doing with other leading global retailer innovators to successfully deploy Digital Transformation for true Omni-Channel.



MONSOONRF

AMERICAN APPAREL CASE STUDY

Store Results:



BENEFITS

American Apparel has greatly benefited due to the implementation of its RFID solution. First, American Apparel staff no longer has to use handheld readers; their inventory process is fully automated, which means that staff can dedicate more time to customer service, and making sales.

Customers and management now have 100% visibility of the store. Each item's movement can be tracked within 30 seconds. Employees are able to easily locate items, and management is able to have accurate, real-time information about in-store products, all while expending less time and effort finding and inventorying items. This complete store visibility helps prevent theft and loss and provides useful data to allow stores to test their merchandising effectiveness.

Corporate Impact:

\$22,594,853

[for a custom analysis on your corporate impact: hello@monsoonrf.com](mailto:hello@monsoonrf.com)

CUSTOMER

- Faster check out process
- Omnichannel fulfillment
- "My size is on the shelf!"
- Cool interactive displays
- More knowledgeable and helpful staff
- Immediate recognition of my preferences

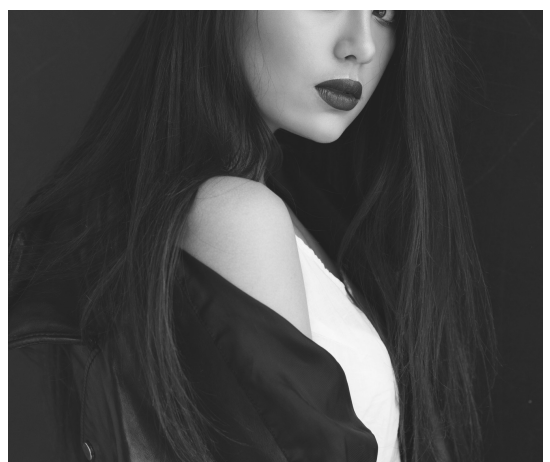
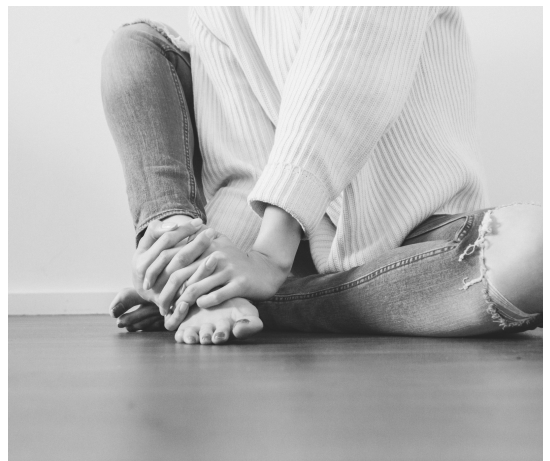
RETAILER

- Reduction of inventory **>10%**
- Sales lift **2 - 10%**
- Eliminate 3rd party audit costs **100%**
- Higher floor space utilization **>20%**
- Shrink reduction **>50%**
- Omnichannel fulfillment models **>2%**

MANUFACTURER

- Elimination of mis-shipments **>99%**
- Faster inventory stock taking **>99%**
- Greater inventory accuracy **>50%**

Source: SML



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AMERICAN APPAREL CASE STUDY



TESTIMONIALS

The Intel Impinj powered solution delivers on the dream of hands-free, full-time inventory visibility. We get accuracy that is as good or better than with hand held readers, in real-time and with less work. We have been amazed at the effortless accuracy of the system to not only deliver counts but also item locations. This enables a wealth of possibilities in our roadmap towards a robust omnichannel shopping experience for our customers."

— Stacy Schulman, CIO American Apparel



OUR PARTNERS



Supported Tag/ Protocol EPCglobal Gen2 (ISO 18000-6C) with
DRM ISO 18000-6B (optional)

Lighting Power: 10W, Input Voltage: 120V Lifetime: 50000 Hrs,
Lumens: 610LMS Color Temperature: 2700K, CRI: 90

Reader Protocol MonsoonRF Protocol, Firmware upgradable

UHF RFID Antenna 2 integrated Antennas: Directional (for
Reading) + Omni (for wireless communication with 915MHz)

DATA SHEET

LANTERN-T

9

DBI
Antenna Gain

>15

DB
F/B Ratio

7

WATTS
DC Power Max (at 5 Volts DC)

< 1.3

VSWR

50

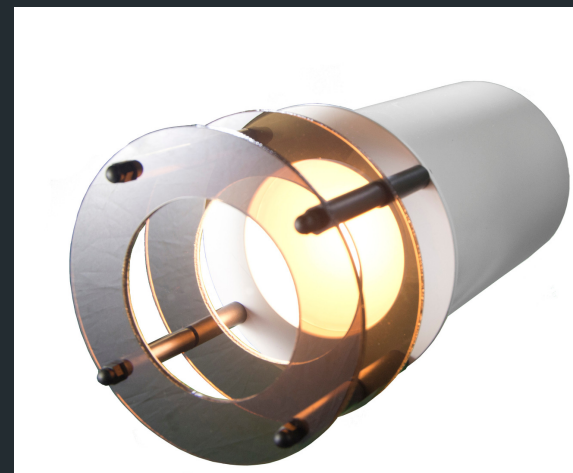
OHMS
Impedance

120

DEGREES
Beam Width

>15

**DB CIRCULAR
POLARIZATION**



DATA SHEET

LANTERN-T

RF Power 36 dBm Max (4 watts EIRP)

Dense Reader Management Dense reader mode, Auto event triggering and event management

Frequency FCC 902-928 MHz (Americas) ETSI 865.6-867.6 MHz (EU) KCC 917-920.8 MHz (Korea) TRAI 865-867 MHz (India) ACMA 920-926 MHz (Australia)
Channel Spacing 500 KHz

Electrical Power UL approved AC/DC convertor module
90VAC to 250VAC, 50 - 60 Hz input
5V 2.4A / 5V 1.0A dual DC output

Communications (Data/Control/Wireless) 1. Wi-Fi 2. 802.11S MESH Network 3. Custom 915 MHz

Physical Factors

Dimensions BR30 Equivalent Light Fixtures
Weight 2 Lbs (0.91Kg)

Environments

Operating Temperature -20C to +55C (- 4F to +131F)
Storage Temperature -40C to +85C

Performance

Max Read Rate Up to 200 tags/second/reader
Max Read Distance Up to 25 feet (7.6 meters)
Max EPC ID Length 128 Bits

Regulatory FCC 47 CFR 15.247; UL, ROHS Compliant

