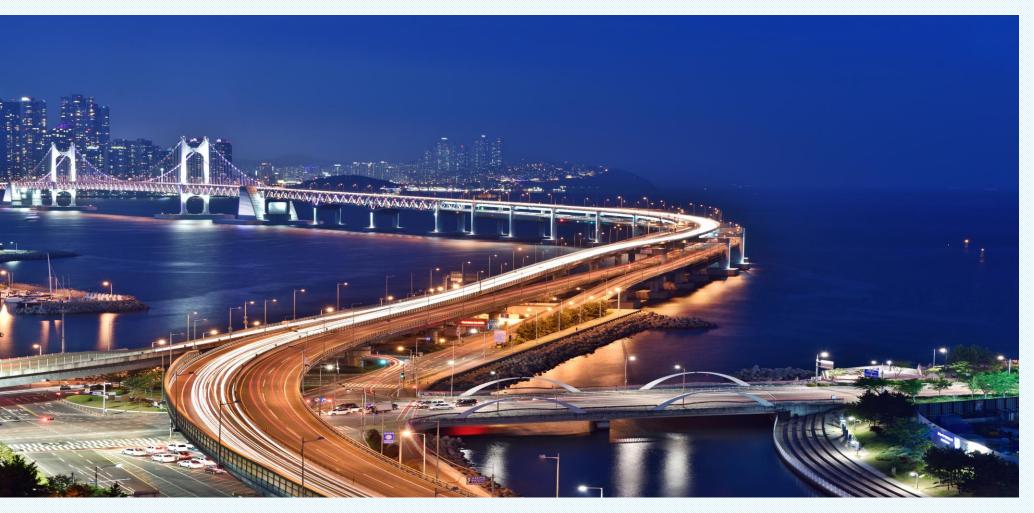
Smart Sensing Transport & Supply Chain

RFeye

Applying integrated Smart Sensing RFID Technology where it matters the most

Authorities, Supply Chain, Tolling, Multimodal Transport, Inventory & Assets Management, Warehouses & Stores.















Every day, our work helps business run smarter and improve processes, people's lives by bringing together the diverse range of Smart Sensing digital world. You get the benefit of working with industry experts who have a real understanding of your business.

We make it our business to conquer any logistical challenges you may be facing.

RFeye - Introduction



Successful track record in delivering turnkey RFID Projects from Design to Project Execution Consistent track record of most preferred Smart Sensing RFID company in the region with multiple recognitions

Core Solutions:





















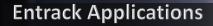


Services:

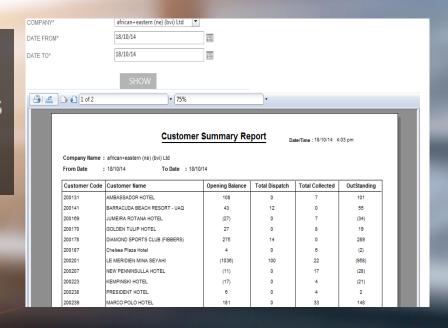
Smart digital technology is a key enabler in any business process to reduce costs, make faster and better decisions, and to increase workforce productivity. Innovation and transformation are often used synonymously, but they are different in the digital world. We evangelize innovation and learning, and help you apply it across your organization.



We offer smart pragmatic tools and insights that help resolve business problems, thus enabling organizations to achieve the competitive edge amid digital disruption.



- Supports hybrid technologies (Barcode, Passive & Active RFID, BLE, NFC, GPS)
- Support on multiple mobile devices OS including Windows Mobile 5+, Android, iOS
- Architecture allows for easy extensibility and integration
- Strong data presentation and reporting tool
- Granular security for greater control







Application Suite Device Integration RFID, Automatic ID Document / User Validation Long Range Asset Asset / User Validation Vehicle / Driver Identification Long Range Inventory Order Visibility Integration with Third Party ERP Systems



Hybrid, Bi-Lingual, Modular Architecture

TrackAsset

TrackPeople

TrackFile

Why Smart Sensing RFID EnTrack Asset?

- EnTrack Asset offers a strong asset tracking platform to build and maintain accurate
 Master Asset Registry.
- EnTrackAsset enables organizations gain visibility and control over their assets, for effective physical asset management.

Benefits recognized across multiple departments:

- Accounting & Finance: Enable true cost control and **audit-proof inventory**. Improve asset accounting with customized and ad-hoc reports of asset locations, physical verification, status, and history.
- IT: Support life cycle management and scale more efficiently.
- Facilities & Security: Protect critical information on devices. Improve physical security by preventing assets from leaving premises and keeping designated assets out of unauthorized areas
- Operations: Quickly locate critical equipment and achieve real-time physical asset inventory.













Smart Sensing Transport & Supply Chain









Passive & Active RFID Infrastructure

Applying integrated Smart Sensing RFID Technology where it matters the most - Transport Authorities & Supply Chain,

Tolling and Multimodal Transport, Inventory, Assets Management, Warehouses & Stores.





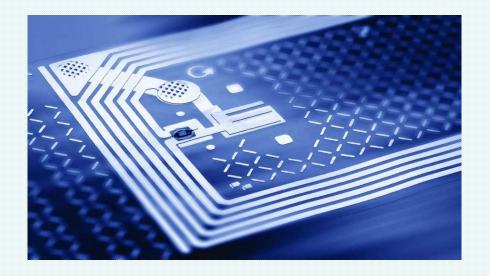




RFID Passive Tags / Labels & Readers

Tags

- Multiple label sizes (2x1, 2x2 inch, etc.)
- Multiple label/ Tag types based on Asset surface and other factors





Handheld Readers

RFID PERFORMANCE

- Standards Supported: EPC Class 1 Gen 2; EPC Gen2 V2
- RFID Engine: Zebra Proprietary Radio Technology
- Fastest Read Rate 600+ tags/sec
- Batch Mode Memory: Store 40,000+ RFID Tags, 500 barcode
- Operating Temp. -10°C to 40°C / 14°F to 104°F
- Storage Temp. -40°C to 70°C / -40°F to 158°F





RFID Passive Tags / Labels & Readers

- Selectable: 4 Bi-static or 4 mono-static antenna ports on one platform
- Enhanced security features (SSH/SSL) for data transmission
- Protocol Support LLRP, Bytestream
- Tag Protocol EPC Gen2, ISO18000-6C
- Extended Gen 2 memory support
- EN 302-208 v1.2, RoHS compliant
- External Interfaces 10/100 Base T Ethernet, RS232 (console), USB Host – Type A, USB Client – Type B, Digital 12 GPI/O
- OS Windows CE 5.0

Features

- **Enterprise-Class**
- Performance Delivers high-performance RFID data capture and communication in dense reader environments
- Construction Aluminum Die Cast
- Manageability SNMP, Air-beam
- **Application Hosting**









Fixed

Antenna &

Readers





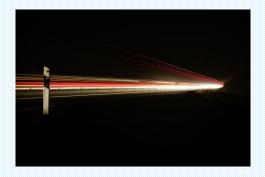




Real-time Tracking with BLE

Applying integrated Smart Sensing RFID Technology where it matters the most - Transport Authorities & Supply Chain,

Tolling and Multimodal Transport, Inventory, Assets Management, Warehouses & Stores.













Barcode Infrastructure

Applying integrated Smart Sensing RFID Technology where it matters the most - Transport Authorities & Supply Chain,
Tolling and Multimodal Transport, Inventory, Assets Management, Warehouses & Stores.

Barcode Labels & Readers

Tags

- Multiple label
- Multiple polymer materials for long lasting labels
- Metal mount tags different form factors
- For Metallic assets/Laptops etc.





Handheld Readers

Integrated Mobile Barcode Reader

- · Barcode reading or Imaging
- 4G HSPA+, 802.11a/b/g/n, Bluetooth
- IP65 and IP67 per IEC specification

Features

- Windows Embedded Handheld 6.5 Professional
- Compact Handheld and Easy to handle
- High Performance, Multi-Modal hand held
- DRM Support
- 8 ft./2.4 m drops per MILSTD 810G





Smart Sensing RFID Solution Components



BLE Readers

- For Real-time zone based visibility
- Deployment of BLE fixed readers at Entry/ Exit points
- Critical zones identified



Mobile Reader Application

- Check in/out
- Stock taking & location





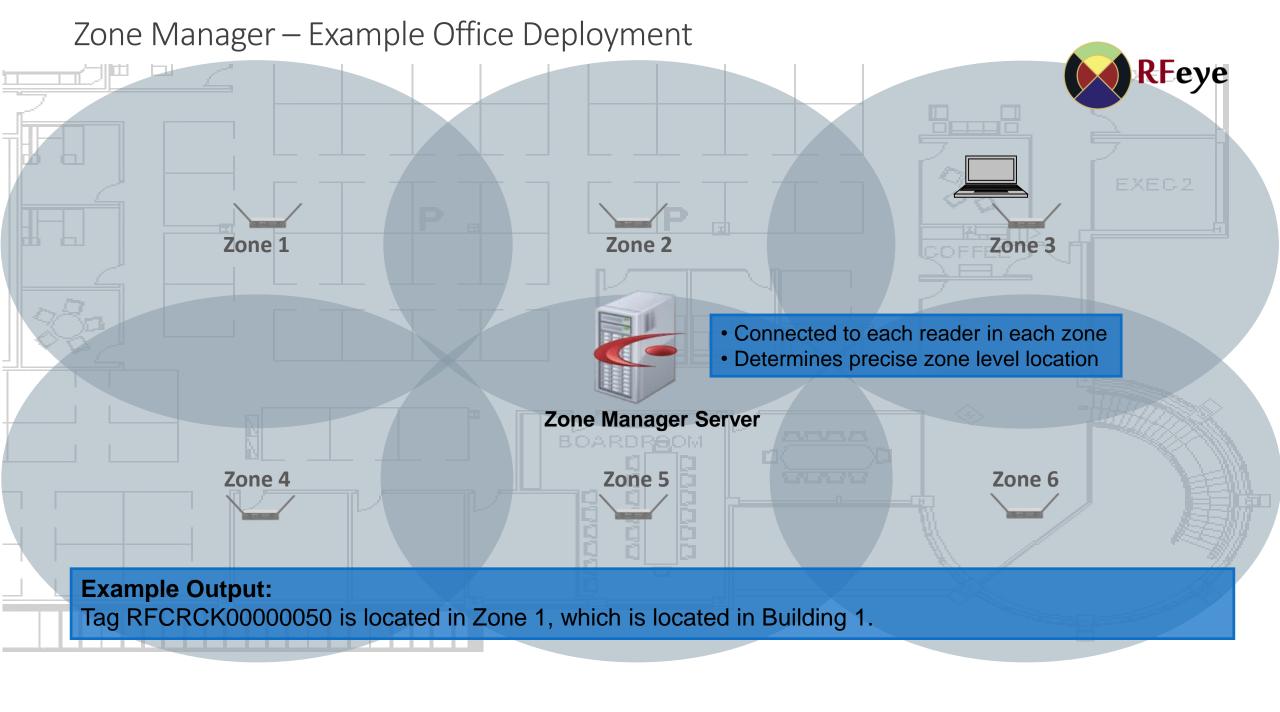
Tags





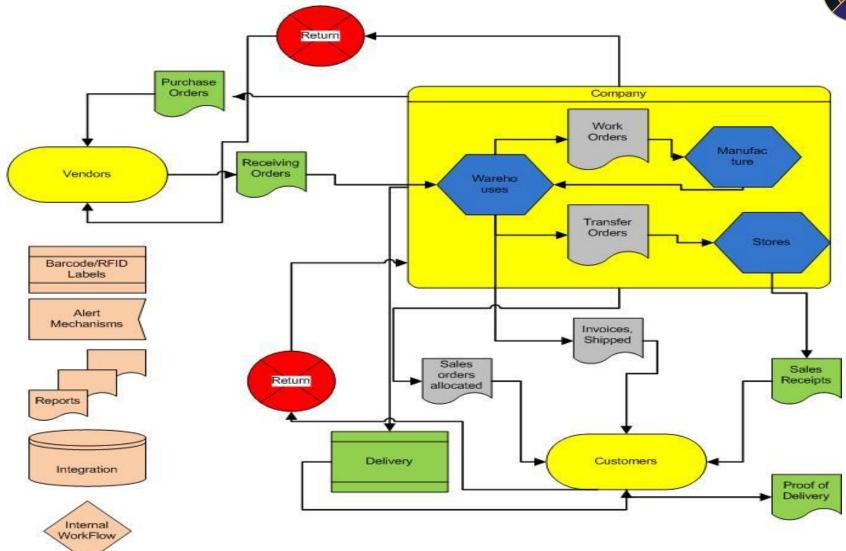






Inventory System - Workflow





Smart Sensing Inventory in Warehouse & Stores

Warehouse Management

Combination of fixed and hand held terminals along with printer are placed at the warehouse area to tag the items upon its arrival in the warehouse. With put-away and transfer management in place, warehouse inventory management and intra item transfers are managed effectively



Exit Monitoring – Adding Loss Prevention

Fixed readers are installed at all entrances/exits, including the dock doors and the doors between the back store and the sales floor. The readers detect when items enter or leave the store, and when transition happens between the back and the front of the store.



Handheld Readers

Retailers tag certain categories of items with RFID, Barcode or Serial Number and then the store associates walk around and take inventory using handheld readers.

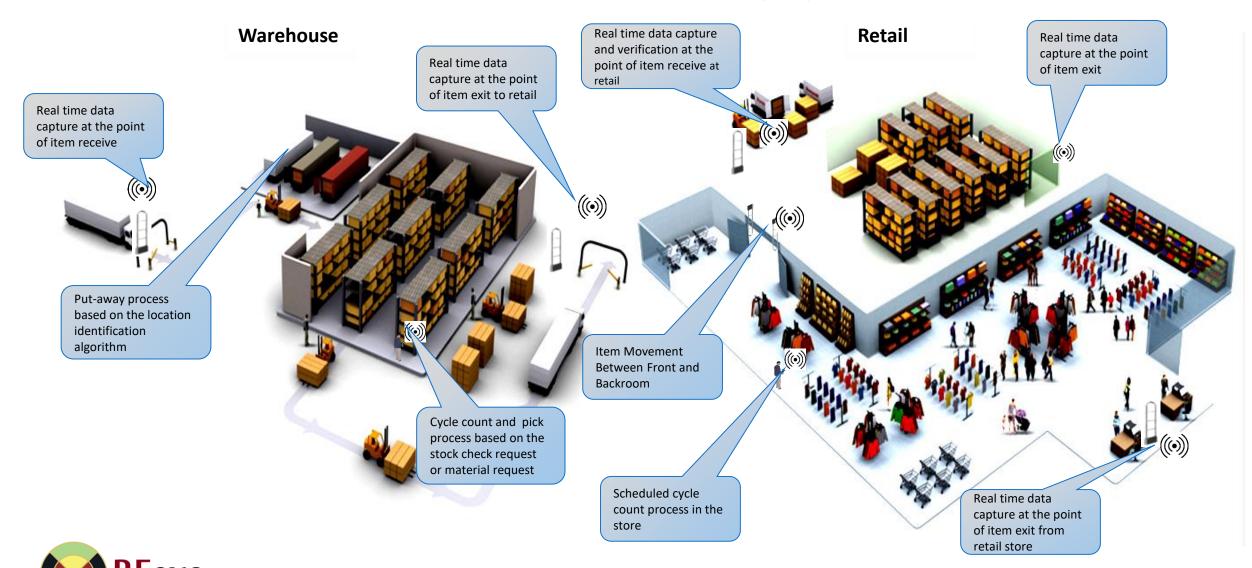


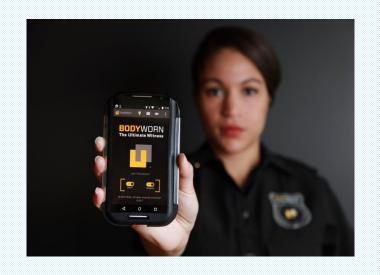
Whole Store/Area Illumination

Readers are optionally be placed throughout the whole store, often mounted in the ceiling and continuously read the items in the store. This can not only tell you that an item is in the store, but where in the store each item is located. This has the potential for extremely precise locating and counting, but at a high cost.



Warehouse & Retail Tracking System









Smart Sensing Inventory

SOLUTION COMPONENTS - Warehouse - Operations - Stores - MIS Dashboard













Warehouse Module

- Setting up Master Data
- Hardware Definition and Mapping
- Purchase Order Data Import
- Unique ID Generation
- PO Scanning and Verification
- Item Put Away Process
- Periodic Cycle Count
- Transfer Order Data Import
- Item Picking Process
- Item Verification at W/H Exit

Print/Date Presentation Component

- Label Print
- Label Reprint
- On Hand Report
- Cycle Count Reporting
- Purchase/Transfer Order Details
- Verification Report
- On-hand inventory dashboard

Store Module

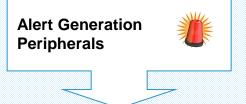
- Item Receive at the Entrance
- RFID Fixed Portal Item
 Verification (optional)
- Internal Item Transfer Front room and back room
- Periodic Cycle Count (Stock Check)
- Item Search
- Data Export to third party system



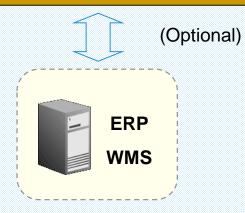






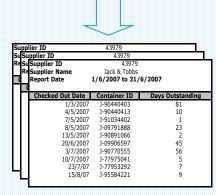


ENTRACKINVENTORY





Visibility Dashboards



Reports



Professional Services

Generic scope:

Physical verification and Data capture

Asset Tagging (RFID/Barcode)

Asset Mapping & Reconciliation

Benefit:

Accurate Master Asset registry/ database

Tighter asset control and lower replacement costs

Demonstrate, audit and document regulatory compliance

Advantage:

Project Management Experience & Expertise

Relevant experience and understanding.



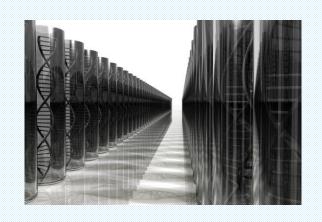




SOLUTION HARDWARE &

PERIPHERAL COMPONENTS









RFID Printer



Used for encoding and printing RFID tags which will be used to stick on to the apparels. The input data to the printer is fed from EnTrackInventory application. With thermal transfer option, this generally uses RFID labels and thermal ribbons as consumables for print purpose.

RFID Fixed Readers



Fixed readers can be placed at different location based on the tracking accuracy to be achieved. Normally, the reader and antennas will be placed at the entry and exit gates. It may also be placed at locations which demands automated RFID readings.

RFID Hand Held Terminals



RFID HHTs will be used in warehouses and stores for all major processes which includes receive, put-away, picking, cycle count and item search. Mobile application will be running on this devices which helps in performing the processes.

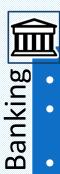
Wi-Fi Setup and Optional Alarms



The infrastructure might optionally require the Wi-Fi/3G set up at different locations to enable real time connectivity of HHT's to central server. Optional alarm can be deployed to alert if any unauthorized movement happens through the gates.



EnTrackAsset Tracking/ Tagging Client by Industry (not an exhaustive list)



- ADIB
- Bank Muscat
- Al Hilal Bank
- Al Khalij Bank
- GTB, Nigeria



- Government • Abu Dhabi Accountability Authority
 - Sharjah Cultural Authority
 - Tawteen Council
 - DAFZA Freezone Authority
 - DSOA
 - KHDA
 - Dubai Airport
 - Doha Airport



- Education • Weil Cornell Medical College
 - GEMS Education
 - Dr. YSR Horticultural University
 - JNTUA



- Westin Hotel, Hospitality Abu Dhabi
 - Anantara Hotel & Resort, Abu Dhabi
 - Jannah Hotel
 - Saadiyat Beach Club
 - Abu Dhabi Golf Club
 - TAJ Dubai
 - Rosewood Abu Dhabi



Media • twoufour54

• Abu Dhabi Media (ADM)



Telecommunication

- VIVA
- Ooredoo
- Du





Smart Sensing RFID Technology & Management Consulting (Marketing & Supply Chain)

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