

# SMART RFID WAREHOUSE MANAGEMENT & ANTI-THEFT SOLUTION

Track. Control. Verify. Protect.

An integrated RFID-based warehouse solution that provides real-time item identification, inventory tracking, automated gate verification and anti-theft protection — fully integrated with WMS/ERP and CCTV/VMS.



-  IDENTIFY ITEMS
-  TRACK MOVEMENT
-  VERIFY AUTHORIZED EXIT
-  PREVENT THEFT

*Smarter  
Warehouses  
Brighter  
Businesses*



RFID  
TRACKING



WMS/ERP  
INTEGRATION



AUTOMATED  
VERIFICATION



CCTV  
EVIDENCE



ANTI-THEFT  
PROTECTION

SMART WAREHOUSES. **STRONGER BUSINESSES.**



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# HOW THE SMART WAREHOUSE WORKS

A complete end-to-end process, from receiving to dispatch.

*From  
Operations  
to Opportunities*

1

## RECEIVING



Receive items  
into the warehouse.

2

## RFID TAGGING



Tag each item  
with RFID  
(Item Level).

3

## STORAGE & PUT-AWAY



Track and store  
items in **real-time**.

4

## INVENTORY (HANDHELD)



Fast and accurate  
inventory using  
RFID handheld.

5

## PICKING



Ensure correct  
item picking.

6

## RFID VERIFICATION (GATE)



Automatic verification  
at exit gates.

7

## DISPATCH



Approved items  
ready for dispatch.



Unlike conventional barcode scanning,  
RFID can identify **multiple tagged items**  
**automatically** and **simultaneously**.

“ Know what entered.  
Know where it is.  
Control what leaves.”



**AUTHORIZED**  
Allow Exit



**UNAUTHORIZED**  
Alarm + CCTV +  
Security Alert

# SYSTEM ARCHITECTURE

Fully integrated RFID, WMS/ERP  
and CCTV solution.



## KEY BENEFITS

- Real-time visibility
- Higher accuracy
- Enhanced security
- Faster operations
- Seamless integration
- Complete audit trail

TECHNOLOGY TODAY  
A SAFER TOMORROW

## SOLUTION AT A GLANCE



4

RFID Gates



16

Antennas



2

Handheld Readers



12

CCTV Cameras



1

Central Server



1

Security Dashboard

SCALE.  
INTEGRATE.  
PROTECT.



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**CSC**

SMARTER SPACES. BRIGHTER TOMORROW.

# AUTOMATIC VERIFICATION AT EVERY EXIT

Prevent unauthorized material movement  
with real-time alerts and video evidence.



WMS Authorization  
10 Items Approved



RFID Gate Detection  
11 Items Detected



**UNAUTHORIZED ITEM DETECTED**



Red Light + Siren + Beacon



CCTV Recording + Security Alert  
Automatically linked to the event



## CCTV INTEGRATION

RFID Event → VMS  
Relevant Gate Camera  
→ Video Bookmark



Camera 1  
Gate Overview



Camera 2  
Person & Items



Camera 3  
Exit / Loading

## EVENT RECORDING



**AUTHORIZED**  
Allow Exit

➤➤➤ Items match WMS authorization.



**UNAUTHORIZED**  
Alarm + CCTV + Security Alert

➤➤➤ Items do not match WMS authorization.

“ Know what entered.  
Know where it is.  
Control what leaves.”

# MORE THAN ANTI-THEFT COMPLETE WAREHOUSE VISIBILITY

Enhance security, accuracy and efficiency across your entire operation.



## Enhanced Security

Detect unauthorized material movement and prevent theft.



## Inventory Accuracy

Real-time and reliable stock information.



## Item Tracking

Know the exact location of each item in real time.



## Faster Inventory

Quick stock take with RFID handheld readers.



## Video Evidence

Automatic link with CCTV recordings.



## Management Visibility

Monitor movements, alarms and warehouse activity via a unified dashboard.



## Complete Audit Trail

Full history of transactions, users and material flow.



## Operational Efficiency

Streamline processes and reduce manual work.

“ Know what entered.  
Know where it is.  
Control what leaves.”

### FROM TRADITIONAL WAREHOUSE

- ✗ Barcode & Manual Checking
- ✗ Separate CCTV
- ✗ Limited visibility
- ✗ Higher risk of errors and theft
- ✗ Time-consuming stock take

### TO SMART WAREHOUSE

- ✓ RFID + WMS/ERP Integration
- ✓ Automated Verification
- ✓ CCTV/VMS Integration
- ✓ Real-Time Security & Visibility
- ✓ Complete Audit Trail
- ✓ Higher Efficiency & Productivity



PEOPLE  
SPACES  
PRODUCTIVITY  
TOGETHER



SUSTAINABLE  
OPERATIONS



READY  
FOR FUTURE  
GROWTH



Smarter  
Warehouses  
Brighter  
Businesses