

# SECURED INDUSTRIAL CAMPUS SYSTEM

Smart Employee Safety, Attendance & Emergency Response Infrastructure



SAFETY



ATTENDANCE



EMERGENCY  
RESPONSE



WORKFORCE  
MONITORING



SECURITY



OPERATIONAL  
DISCIPLINE

Presented By

**Abhinav IT Solutions Pvt. Ltd., Pune**



# INDUSTRY CHALLENGES

## CURRENT INDUSTRIAL CHALLENGES



Employee Safety



Industrial Security



Workforce Monitoring



Emergency Response



Operational Discipline

## PROBLEM



Mobile phone usage is restricted in industrial areas.



# ALERTO SOLUTION

## ALERTO SECURED INDUSTRIAL CAMPUS SYSTEM

TRANSFORMS EMPLOYEE ID CARD INTO:



Smart Attendance Device



Emergency SOS Trigger



Workforce Tracking System



Security Monitoring Solution



Safety Communication Platform



# SYSTEM COMPONENTS

## A. ALERTO SMART I-CARD











-  Employee Identification
-  Wireless Communication Technology
-  Emergency SOS Button
-  Attendance Identity
-  Zone Mapping Capability



Works even in environments where mobile usage is restricted.

## B. GATEWAY DEVICES

Gateway devices are installed at:

-  Main Gates
-  Production Floors
-  Warehouses
-  Utility Departments
-  Security Checkpoints
-  Parking Areas
-  Restricted Zones
-  Emergency Exits



These gateways continuously communicate with nearby ALERTO I-Cards and transmit data to the central monitoring system.



# AUTOMATIC SMART ATTENDANCE

## CONTACTLESS ATTENDANCE



Automatic Entry & Exit Detection



Real-time Attendance Recording



No Biometric Touch Required



Centralized Attendance Records

## BENEFITS



Faster Entry



Reduced  
Manipulation



Contactless  
Process



# DEPARTMENT & ZONE MONITORING



Department-wise Presence



Zone-wise Tracking



Movement Monitoring



Restricted Area Detection



Unauthorized Access Attempts

## SUITABLE FOR



Chemical Plants



Factories



Manufacturing Units



Complete visibility of employees across departments & zones.



# EMPLOYEE SOS EMERGENCY FACILITY

## ONE-CLICK EMERGENCY SUPPORT



Each **ALERTO** I-Card contains a dedicated SOS emergency button.

**In case of:**

## EMERGENCY SITUATIONS



Accident



Injury



Medical  
Emergency



Fire  
Incident



Unsafe  
Conditions



Threat  
Situation



Machinery-related  
Emergency



The employee can immediately press the SOS button.



# EMERGENCY RESPONSE WORKFLOW

## SOS ACTIVATION PROCESS



## ALERT SENT TO



Security  
Team



Control  
Room



Supervisors



Emergency  
Response Staff

## ADVANTAGES



Faster Response Time



Reduced Emergency Confusion



Improved Worker Safety



Better Rescue Coordination



# LONE WORKER SAFETY

## PROTECTION FOR ISOLATED WORKERS



Security Guards



Maintenance Engineers



Utility Operators



Night Shift Workers



Remote-area Staff

## BENEFITS



Last Known  
Location



Instant  
Emergency Alerts



Improved  
Safety



Their movement remains visible through gateway infrastructure.

*In emergency situations:*

Last detected location becomes available  
Emergency alerts can be triggered instantly

SOS



# Security Guard Activity Monitoring

## Key Monitoring Areas



Patrol Timings



Checkpoint Visits



Missed Patrol Points



Movement Routes



Delay in Rounds

## Benefits



Better Discipline



Improved Security Accountability



Digital Patrolling Records



Prevention of Fake Patrolling



# Emergency Evacuation Support

## Emergency Types



Fire



Gas Leakage



Industrial Accident



Chemical Emergency



Natural Disaster

## Management Can Identify



Employees Still Inside Premises



Missing Personnel



Zone-wise Employee Presence



Evacuation Status



Quick Identification. Safe Evacuation.  
Every Life Matters.

# Visitor & Contractor Monitoring

## Categories



Visitors



Contractors



Vendors



Temporary Staff

## Tracks



Entry & Exit  
Timings



Restricted Zone  
Access



Visit Duration



# Community Communication + Women Employee Safety

## Community Communication



Emergency Flash Messages



Voice Alerts



Department-wise Communication



Emergency Broadcast Notifications

## Women Safety



Immediate SOS Alerts



Faster Security Response



Increased Confidence & Trust



# Benefits to Industry

## Safety Benefits



Faster Emergency Response



Better Worker Protection



Improved Evacuation Management



Reduced Emergency Handling Time

## Administrative Benefits



Automated Attendance



Staff Activity Monitoring



Digital Workforce Visibility



Better Contractor Management

## Security Benefits



Patrol Monitoring



Restricted Zone Control



Emergency Tracking



Real-time Movement Visibility

## Organizational Benefits



Higher Employee Confidence



Improved Company Image



Better Operational Discipline



Stronger Workplace Trust

# Conclusion

**ALERTO** Secured Industrial Campus System combines:



Safety



Smart Monitoring



Emergency  
Response



Attendance  
Automation



Security  
Management

**Result:**



Safer Work  
Environments



Faster Emergency  
Response  
Capability



Smarter Industrial  
Administration



Stronger Employee  
Confidence

For Demonstration &  
Technical Discussion



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# Thank You



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