



# Matrix COSEC

*Right People in Right Place at Right Time*

EXPECT MORE.

# Matrix COmplete SECurity



## Matrix COSEC

*Right People in Right Place at Right Time*

# Matrix Across the Globe



...and more

# What is COSEC?



Comprehensive Solution

Enterprises, SME, and SOHO



Multiple Credentials

Palm Vein, Fingerprint, RFID, and PIN



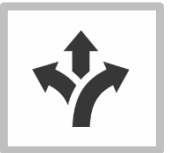
Complete Solution

Hardware and Software



Integrated Solution

3<sup>rd</sup> Party Hardware and Software Integration



Perfect Solution

Flexible, Scalable, Modular and Reliable

# What is COSEC?



Flexible

Flexible Software, Multiple Credential, Connectivity Options



Scalable

Expand Up to 65,000 Devices and 1 Million Users



Modular

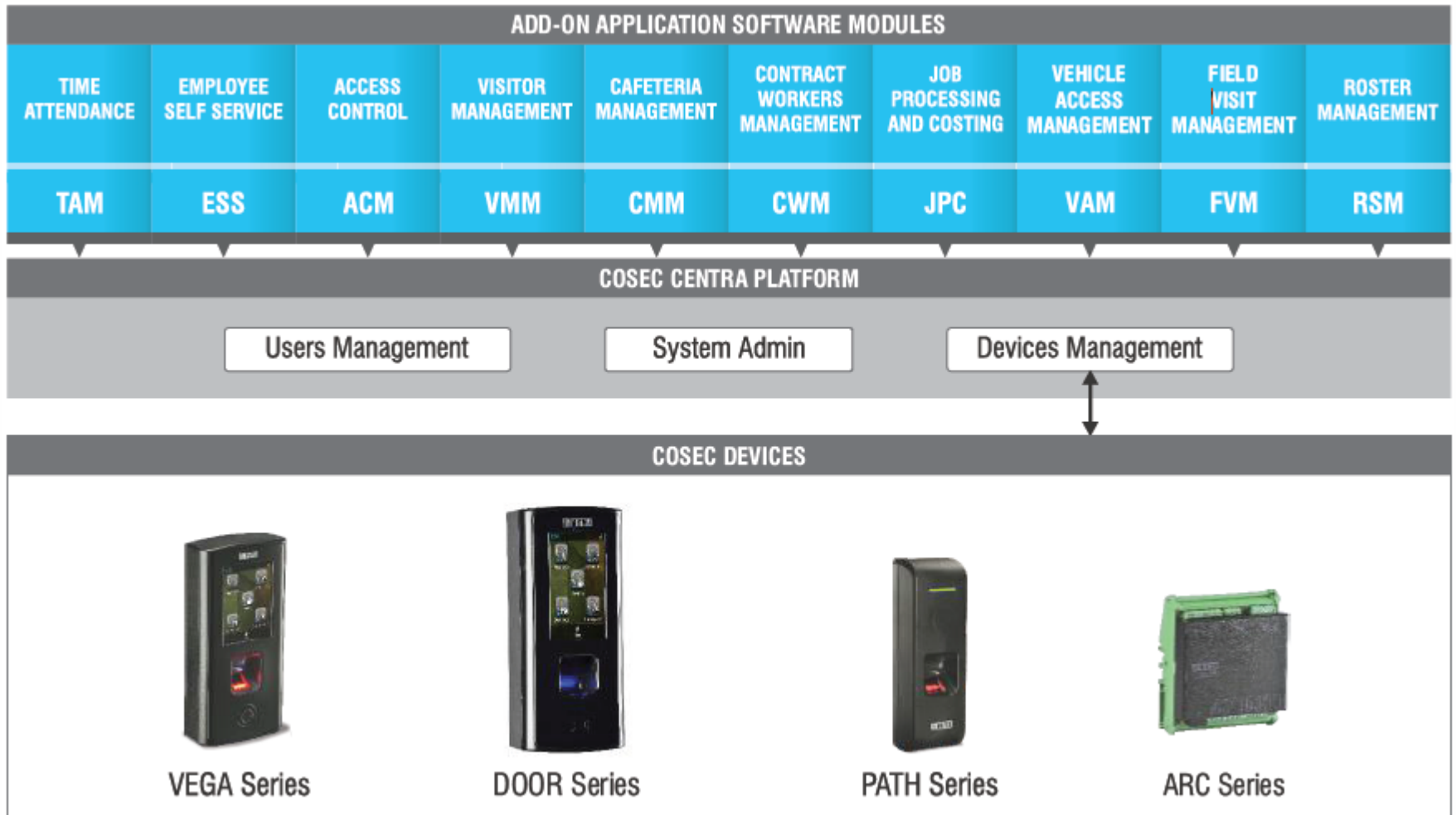
Add Software Modules any Time on Requirement



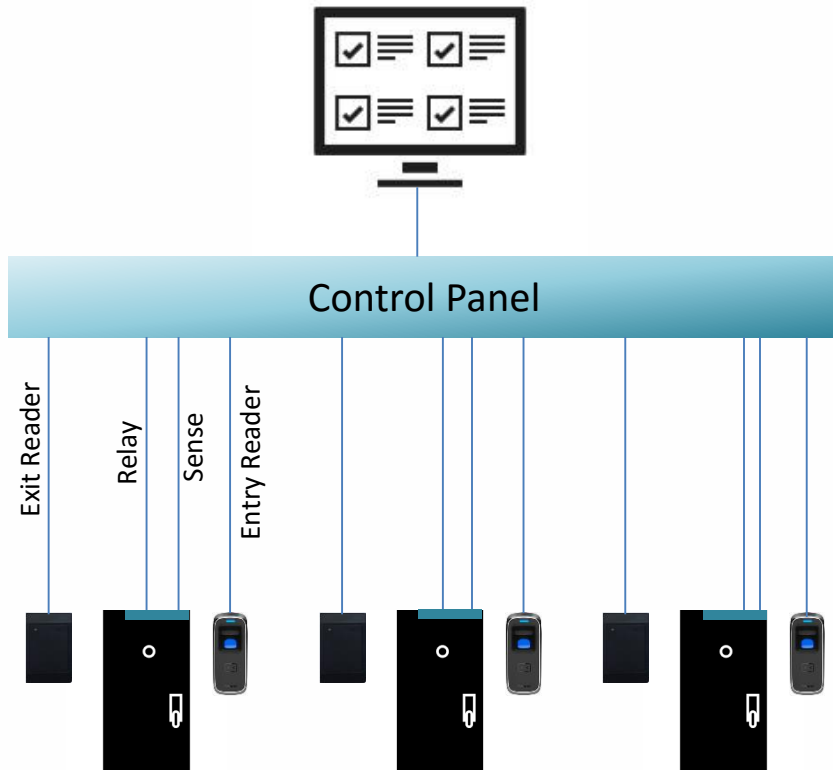
Reliable

IP based Architecture, Less Wiring and Web based Management

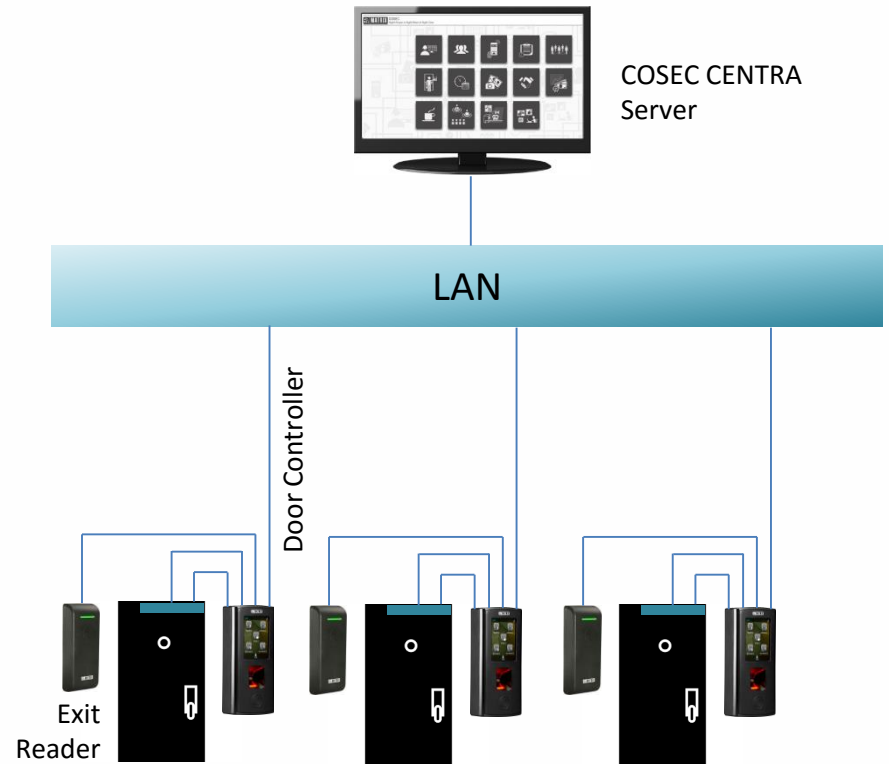
# COSEC Solution Architecture



# COSEC Distributed Architecture



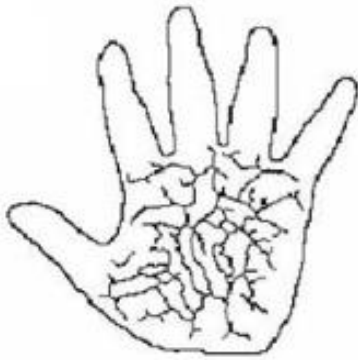
**Conventional Systems**  
Centralized Connectivity



**Matrix COSEC**  
Distributed Connectivity

# How are our Offerings Different?

# Multiple Credentials



Palm Vein



Fingerprint



RFID Card



PIN

# Real-time Data Transfer to Server



COSEC Door Controller  
Location 1

COSEC CENTRA Server

COSEC Door Controller  
Location X

- Data Transfer from Device to Server in **<1 Sec**
- Auto Push** Technology
- No Manual Download Required

# Automatic Template Distribution



COSEC CENTRA Server

No Need to Enrol again on other Locations



LAN/WAN/3G



Enrolment  
from Location 1



Location 2

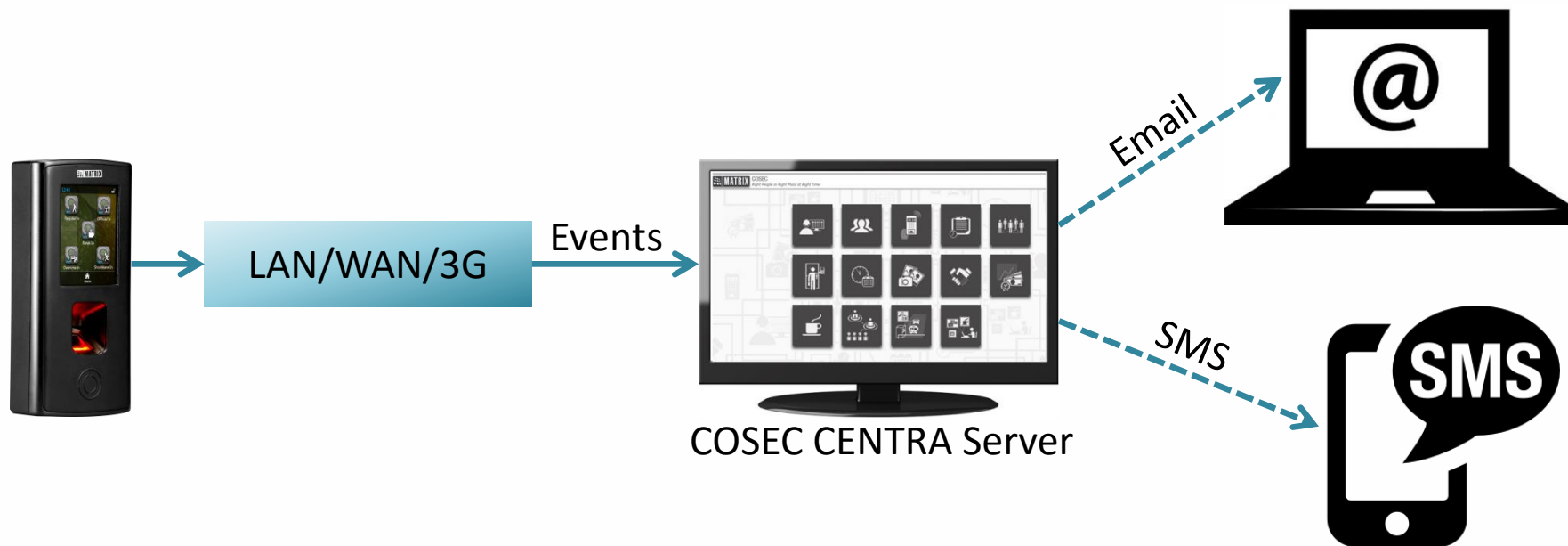


Location 3



Location X

# Real-time Notifications



SMS and Email Notifications

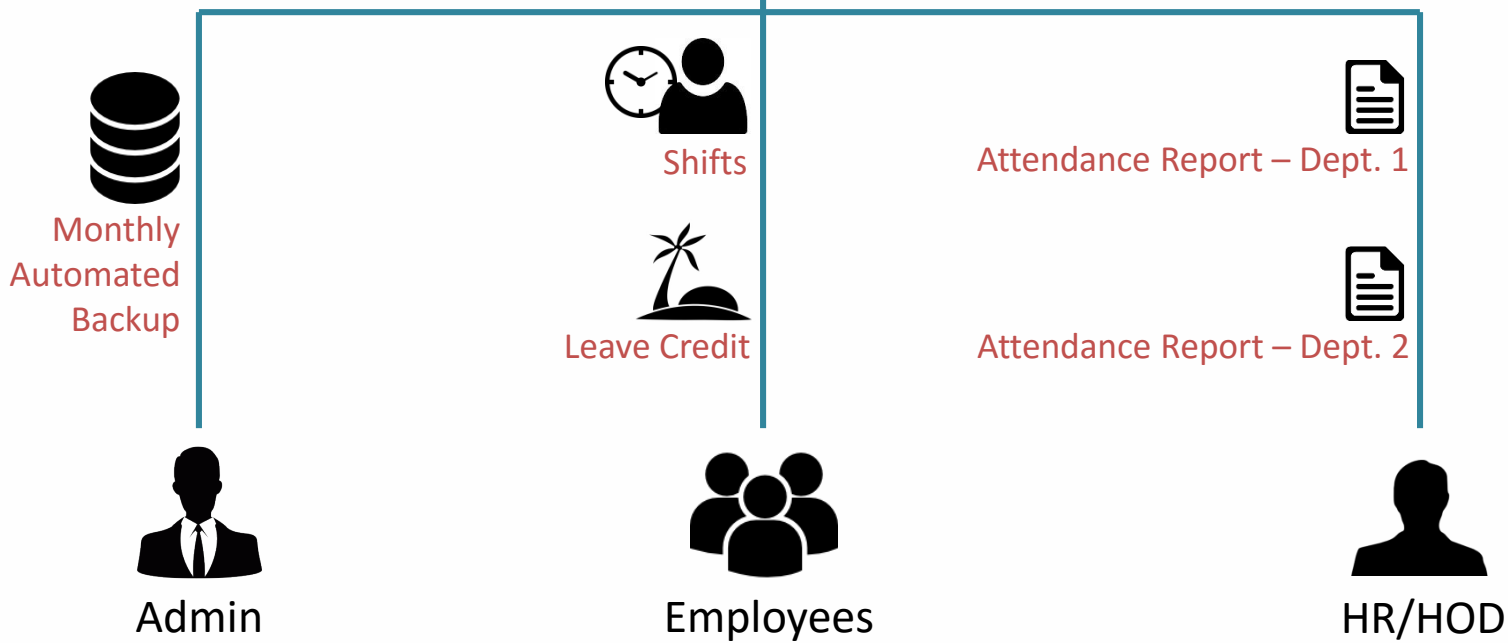
To User or Reporting Officer

Alerts for Attendance, Leave and Access Related Events

# Scheduler Services



COSEC CENTRA Server



...and more

# Multiple Connectivity



3G/4G



Wi-Fi



Ethernet/  
PoE



USB

# No Extra Power Supply for Lock and Reader



- **Benefits:**
  - Resistant to Dust
  - Level of Protection from Liquid
  - Suitable for Weather Proof Installations
- **IP65 Certified Products**
  - COSEC VEGA Series
  - COSEC PATH Series



# Templates



## Capacity

Up to 10 Fingerprint Templates per User

Up to 2 Palm Templates per User

# Templates



## Storage

9600 Fingerprint Template Storage

Most Powerful Device

# Templates



## Dual Template Algorithm



# Mobile based ACTA Solutions



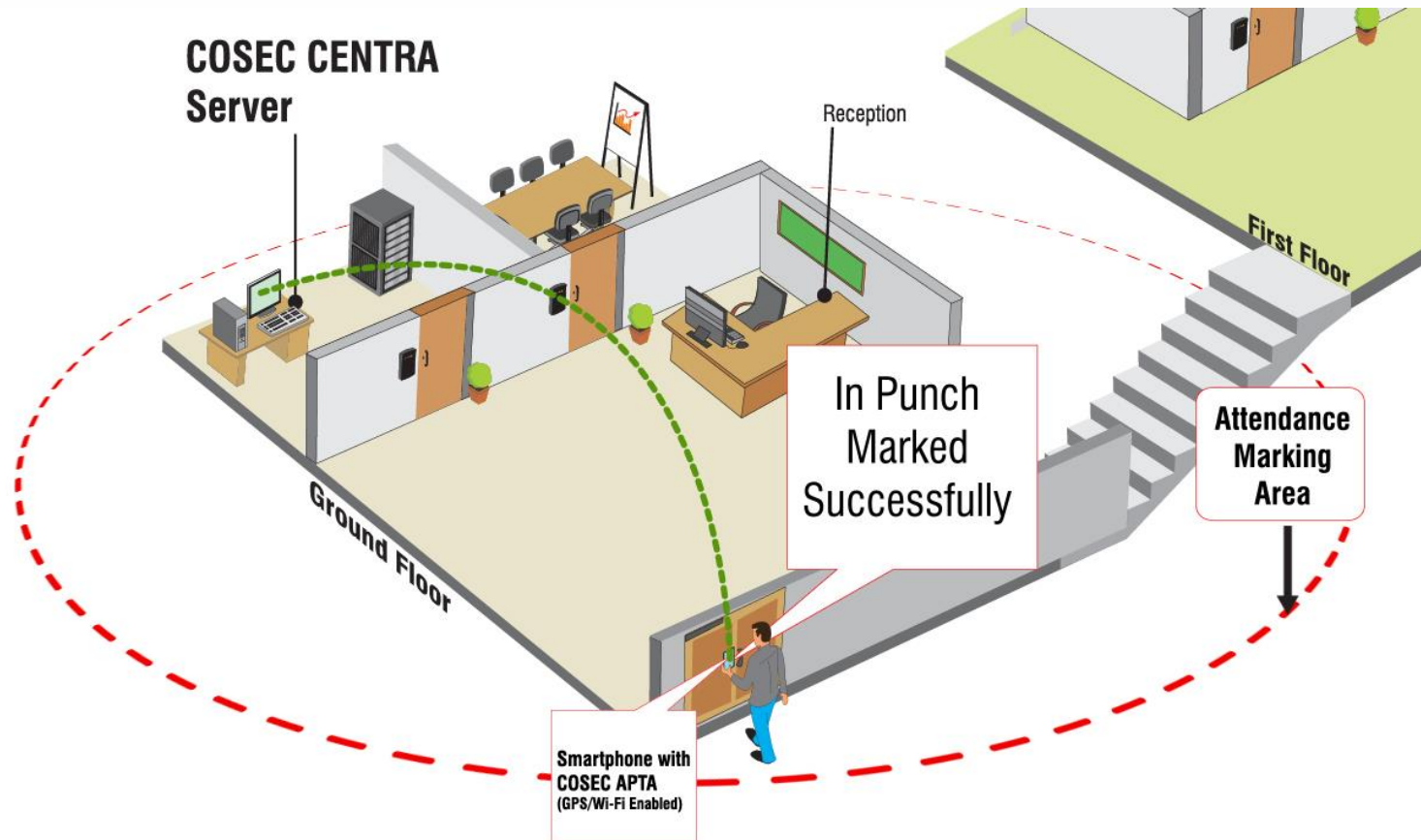
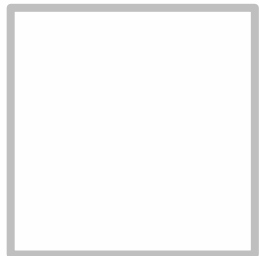
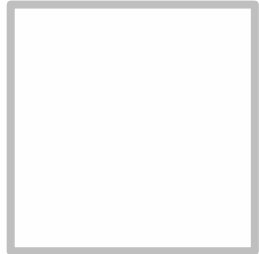
Time-Attendance and Access Control Application

For Employees and Managers

Track Attendance Using GPS



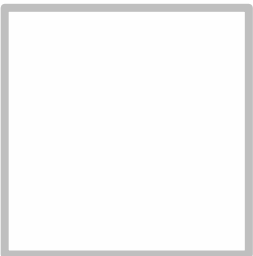
## Automatic Attendance Marking through Wi-Fi/GPS



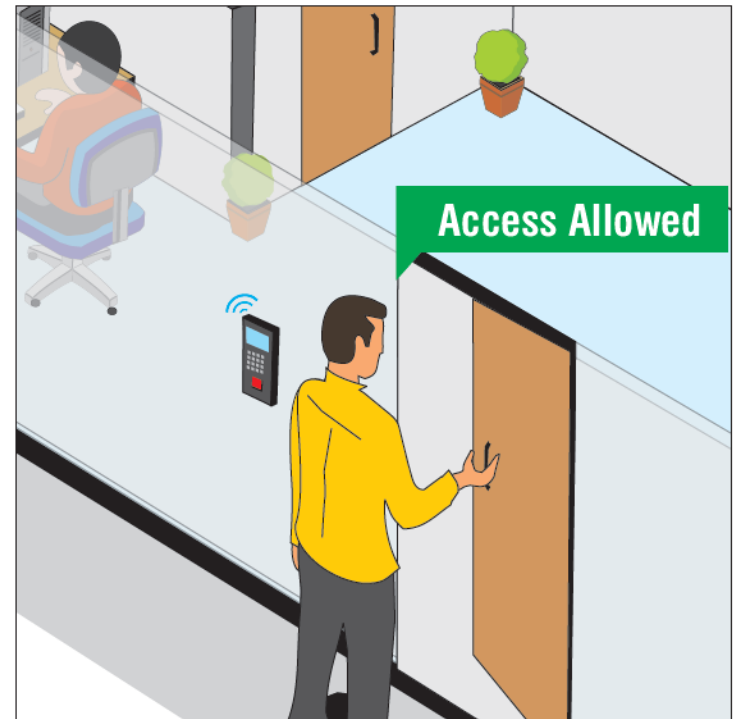
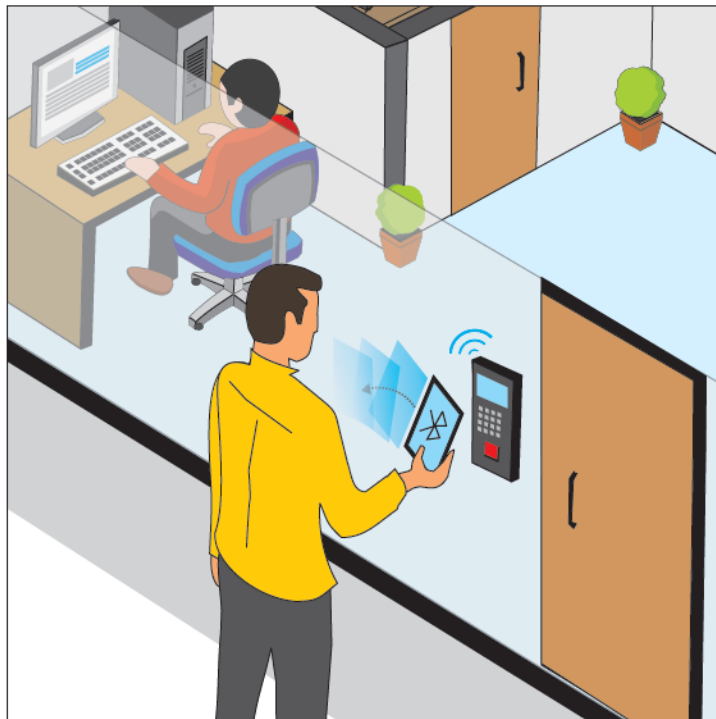
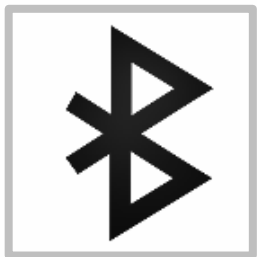
# Mobile based ACTA Solutions



## QR Code based Access Control



## Bluetooth based Access Control



# Smart Identification



Firstly, User Shows RFID Card in which Fingerprint Template is Stored



Device Temporarily Stores the Fingerprint Template

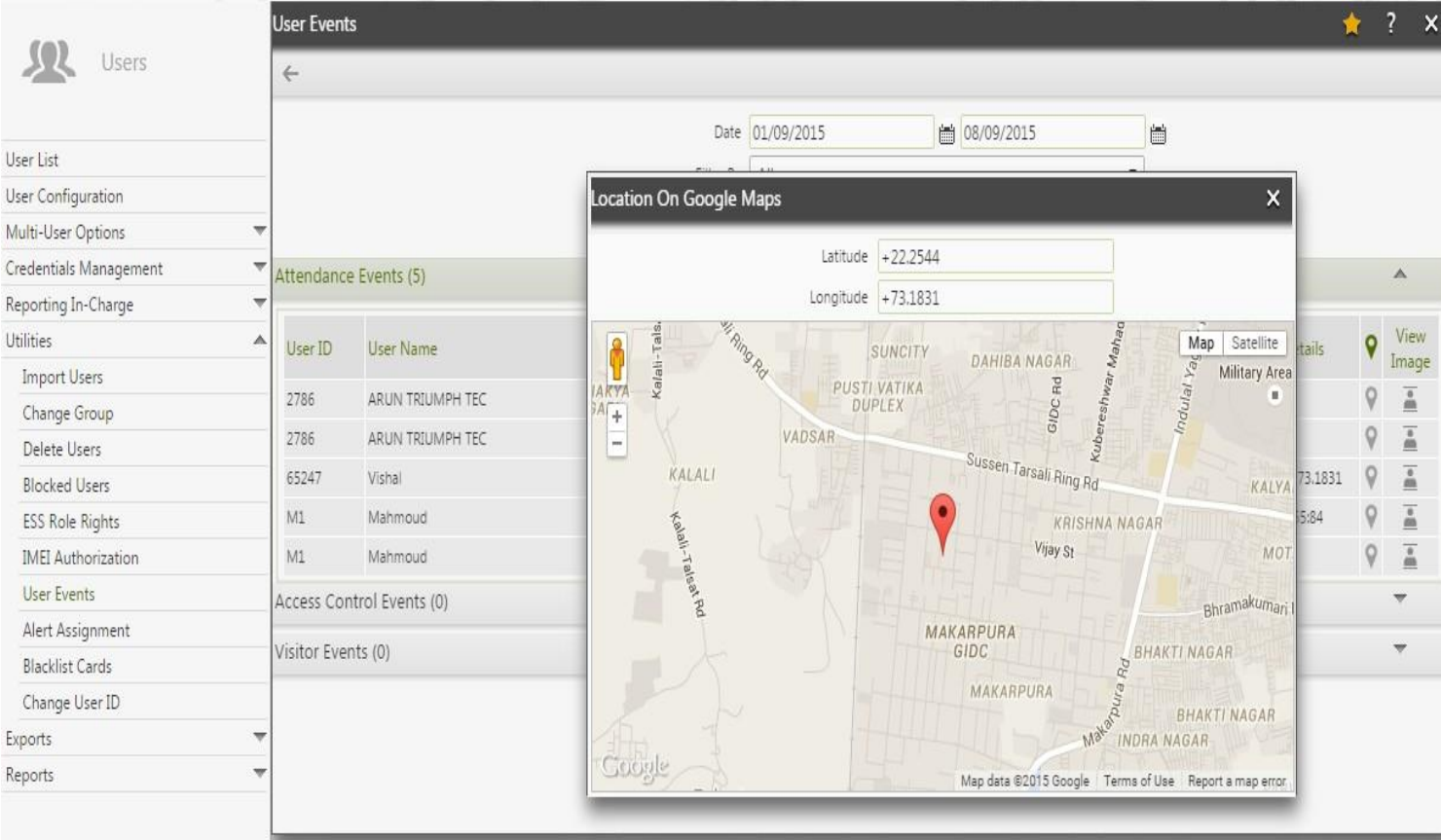
User Punches after Showing the RFID Card



Device Matches the Punch against the Temporarily Stored Fingerprint Template



# GPS Location Tracking



**User Events**

Date: 01/09/2015 to 08/09/2015

**Attendance Events (5)**

User ID	User Name
2786	ARUN TRIUMPH TEC
2786	ARUN TRIUMPH TEC
65247	Vishal
M1	Mahmoud
M1	Mahmoud

**Access Control Events (0)**

**Visitor Events (0)**

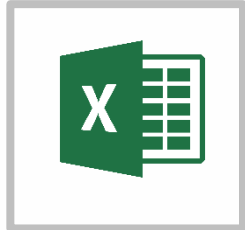
**Location On Google Maps**

Latitude: +22.2544  
Longitude: +73.1831

Map data ©2015 Google

Synchronization of COSEC APTA with COSEC Server

# Customized Reports and Charts



MS-Excel  
MS-Excel Data



PDF



XML



Rich Text  
Format



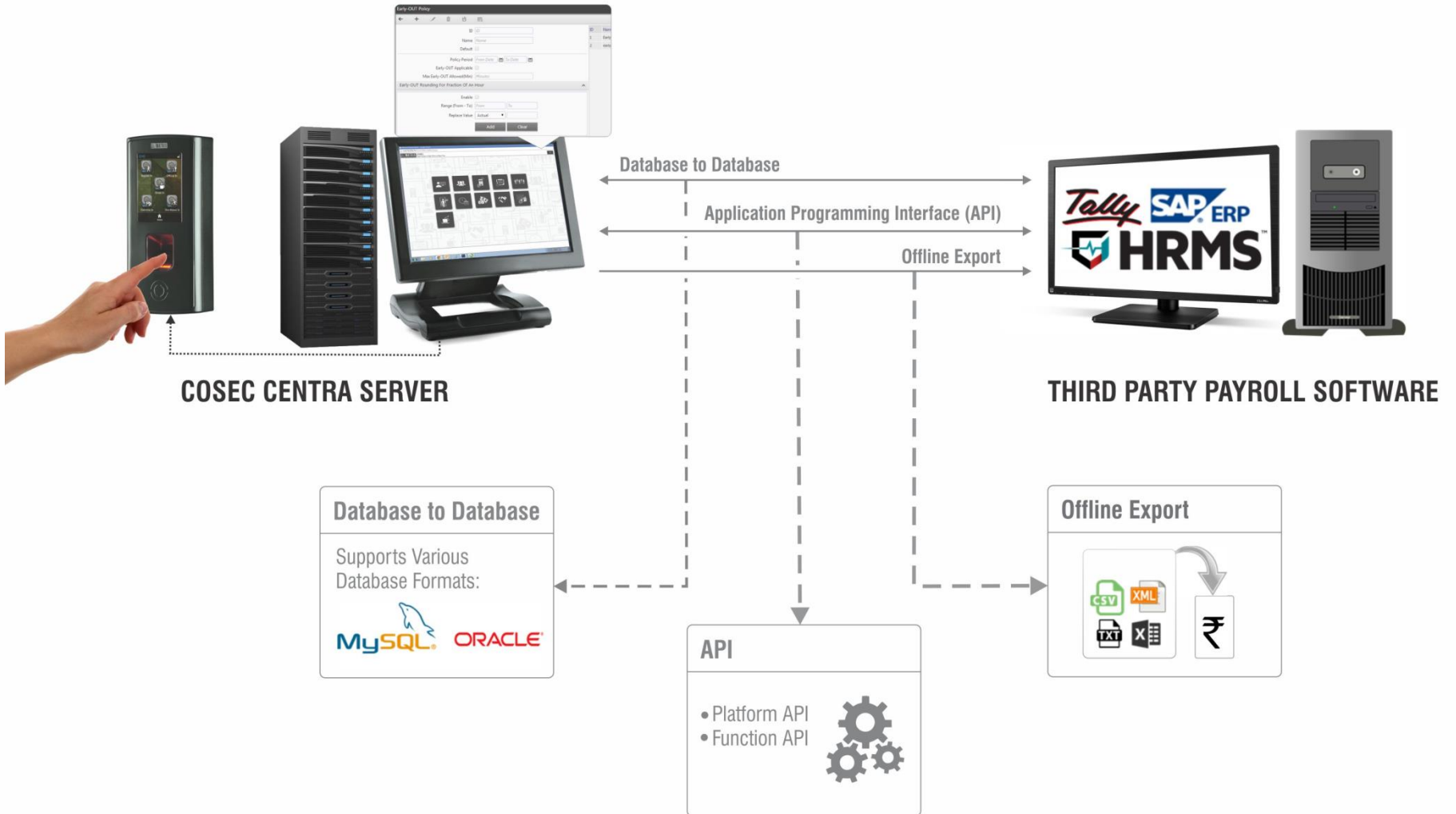
RTP



MS-Word  
MS-Word Editable

- 200+ Reports and Charts
- Customized Report Generation
- Apply Filters to Generate Specific Report

# Integration – Software



# Integration – Hardware



# Integration through Auxiliary Ports



## Aux IN Port



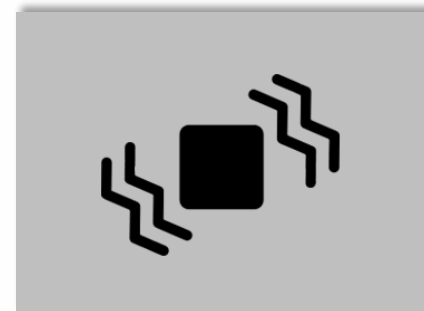
Fire Alarm



Motion Sensor



Seismic Sensor



Vibration Sensor

## Aux OUT Port



Siren



Hooter

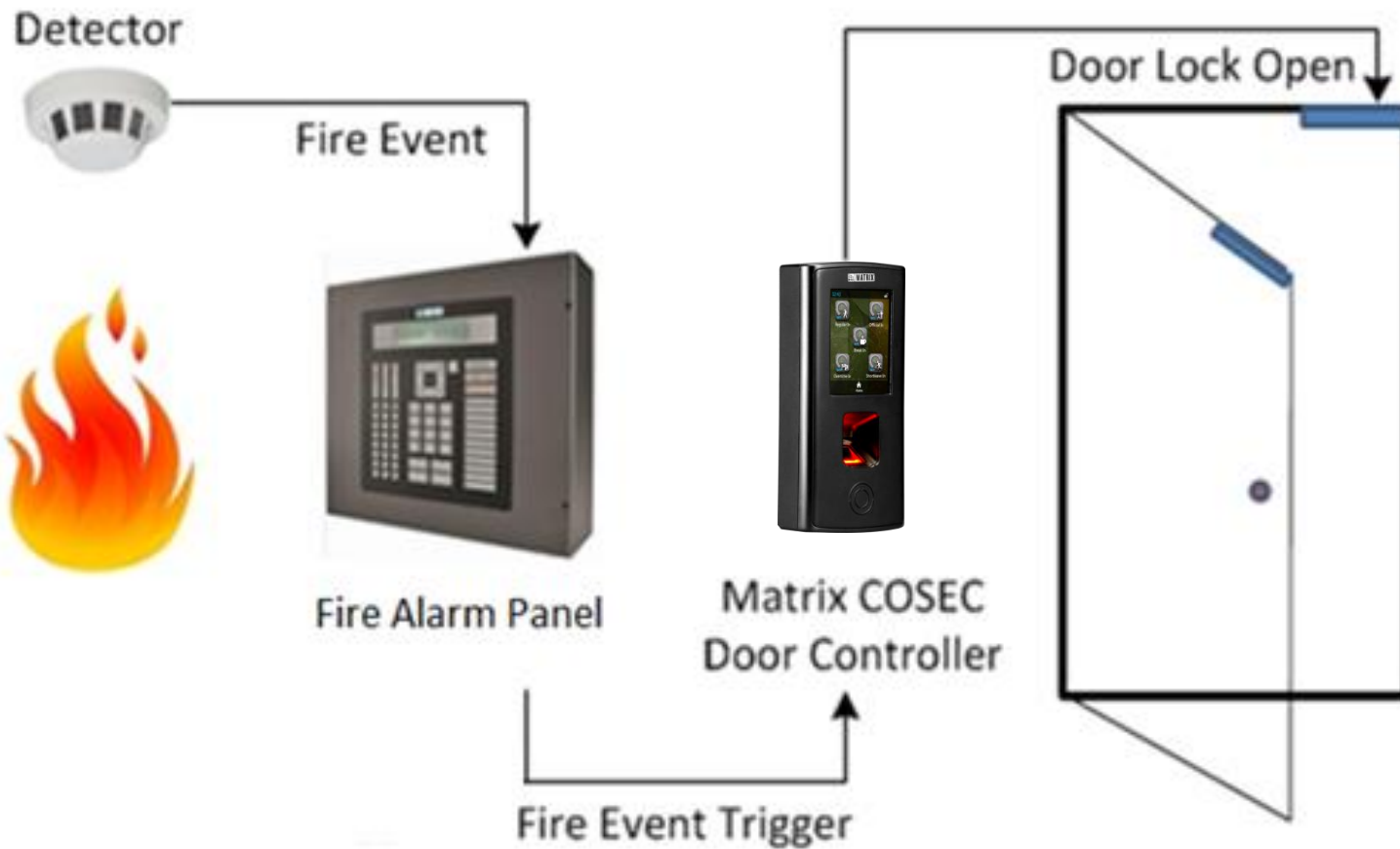


Sprinkler

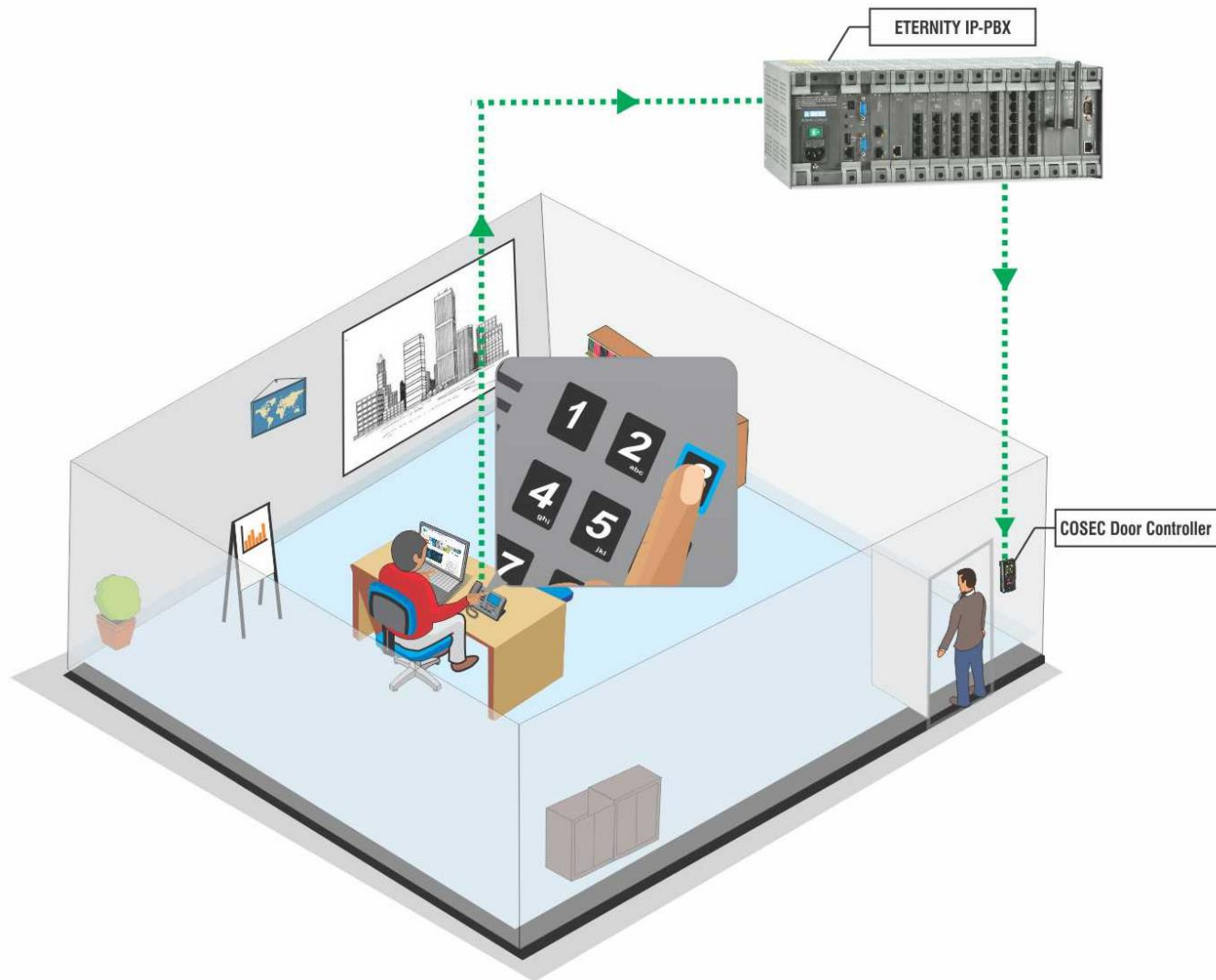
# Integration with Video Surveillance System



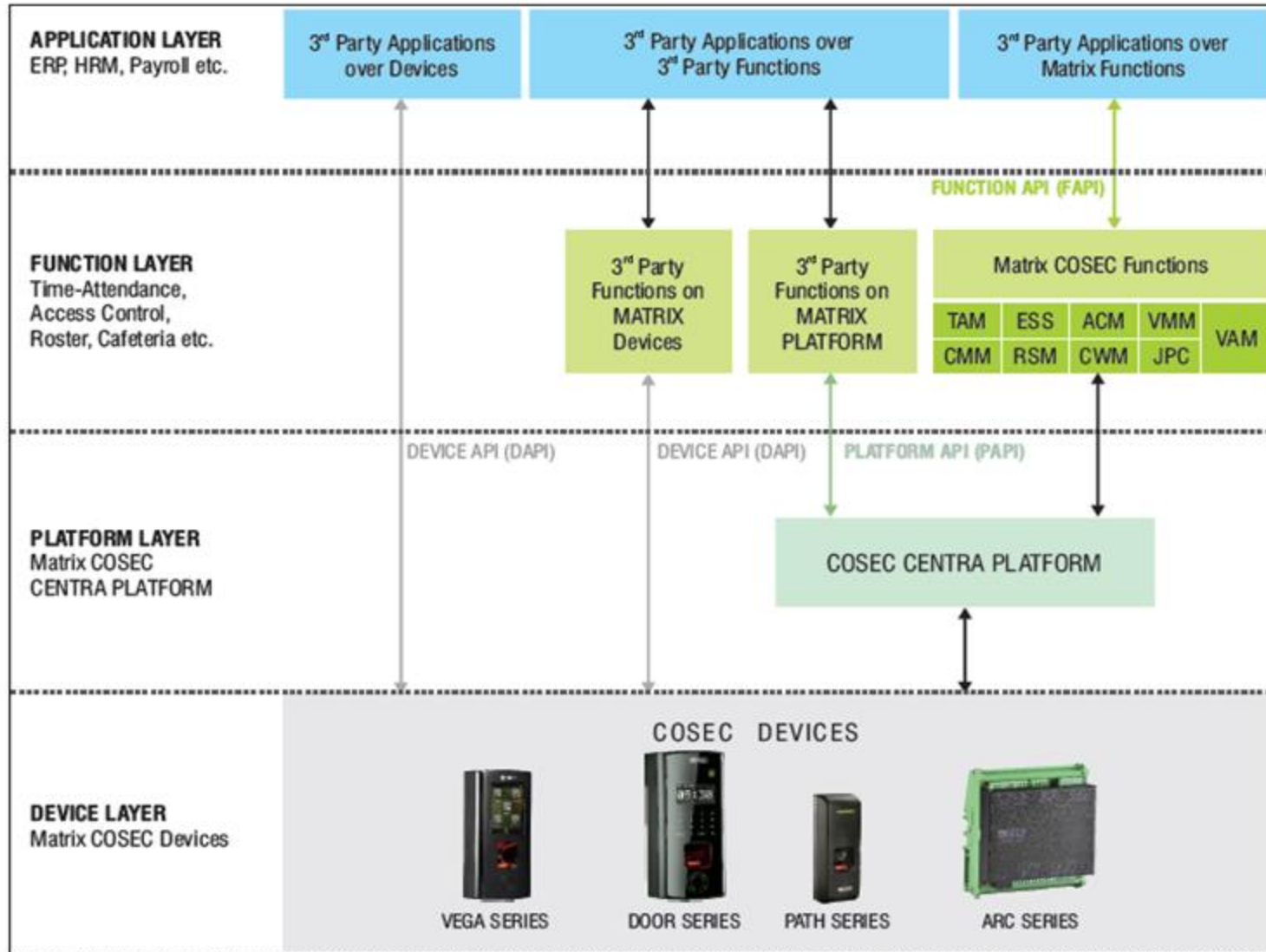
# Integration with Fire Alarm System



# Integration with PBX



# COSEC API

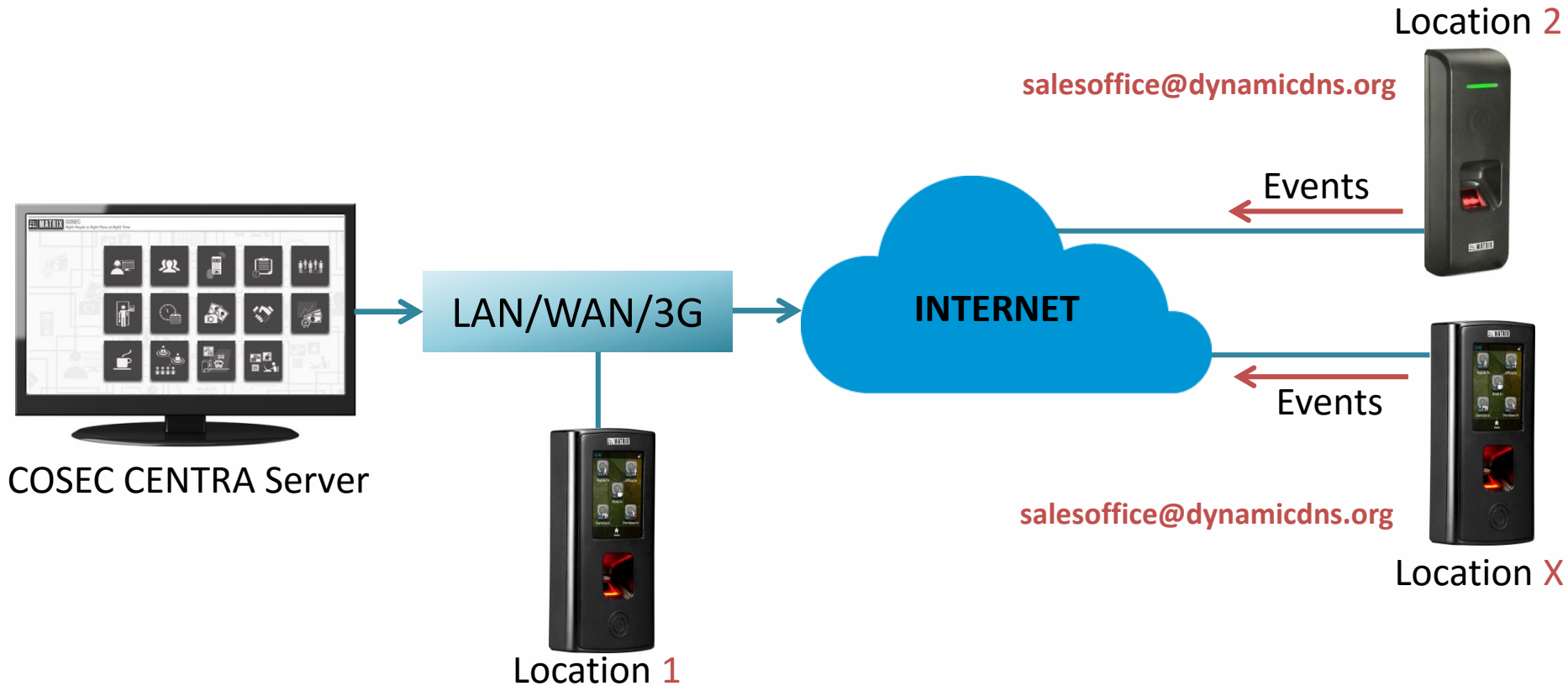


# Use of Dynamic DNS

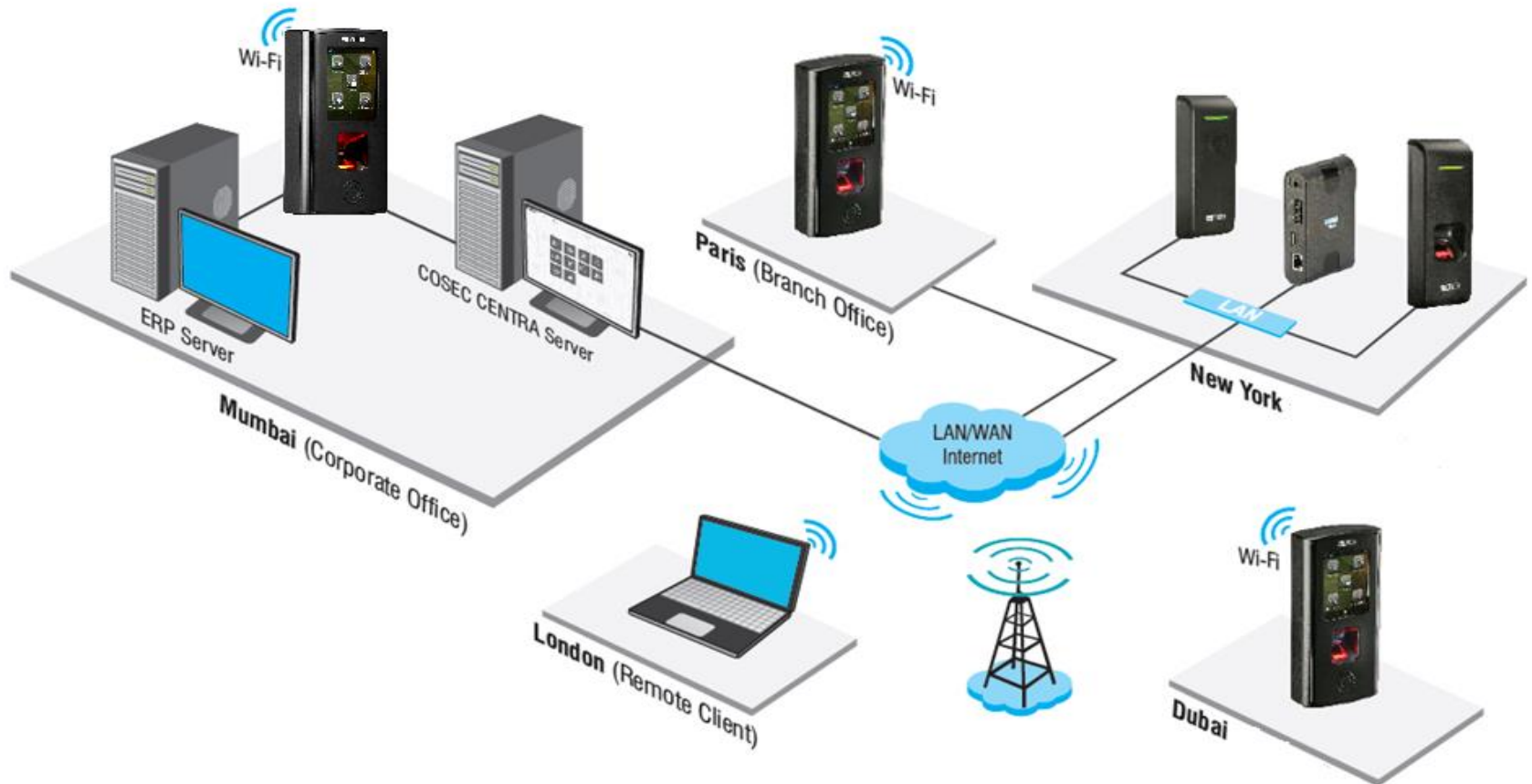


Eliminates Need of Static IP

Automatic IP Allocation



# Multi – Location Solution



# Target Audience



Corporates



Government



BFSI



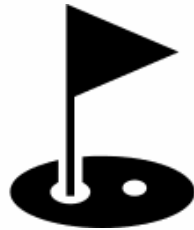
Enterprises



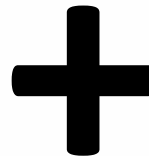
Education



Hotels



Sports Clubs



Healthcare



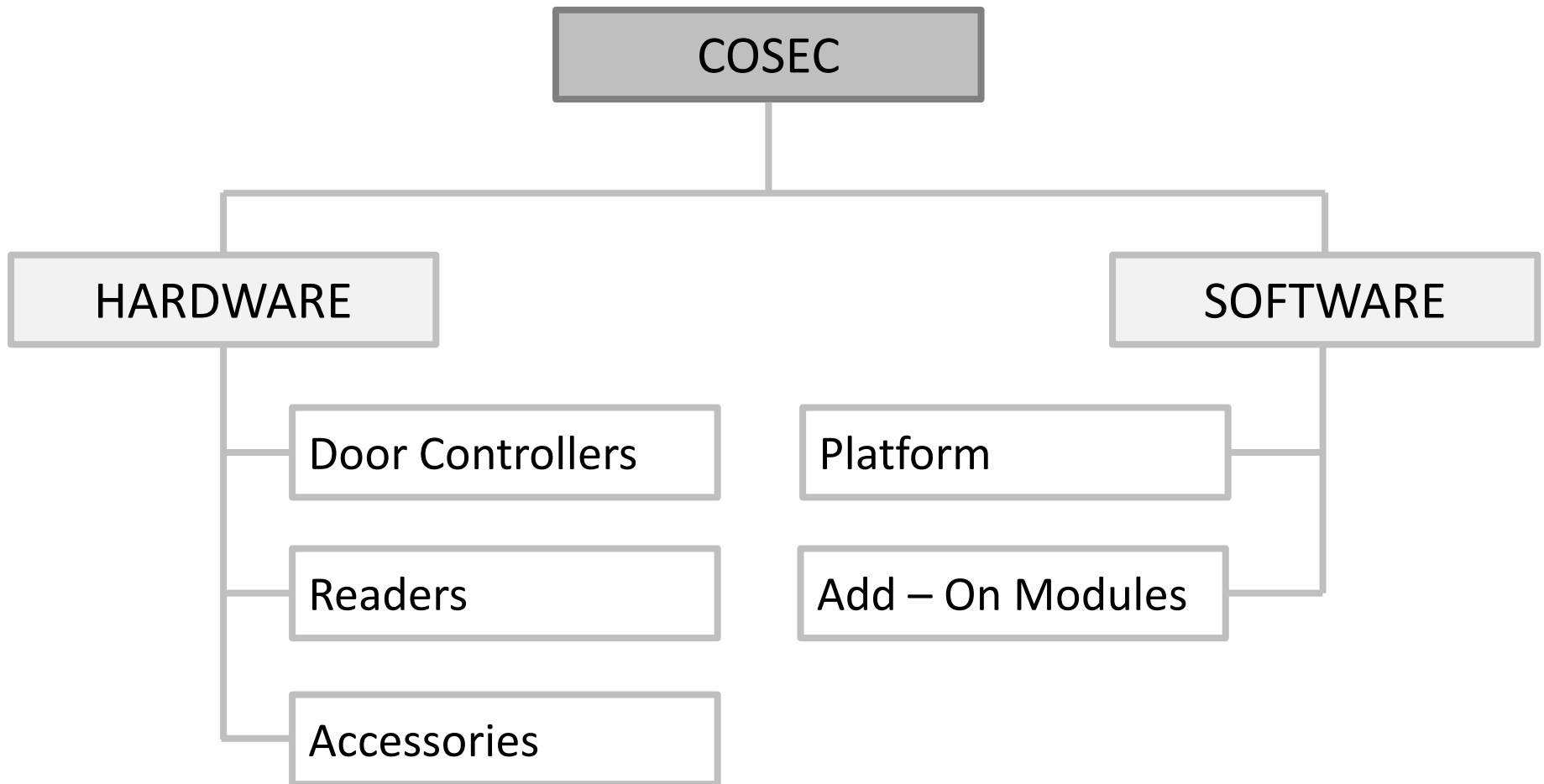
R&D Labs



Shopping Malls

...and more

# COSEC Solution

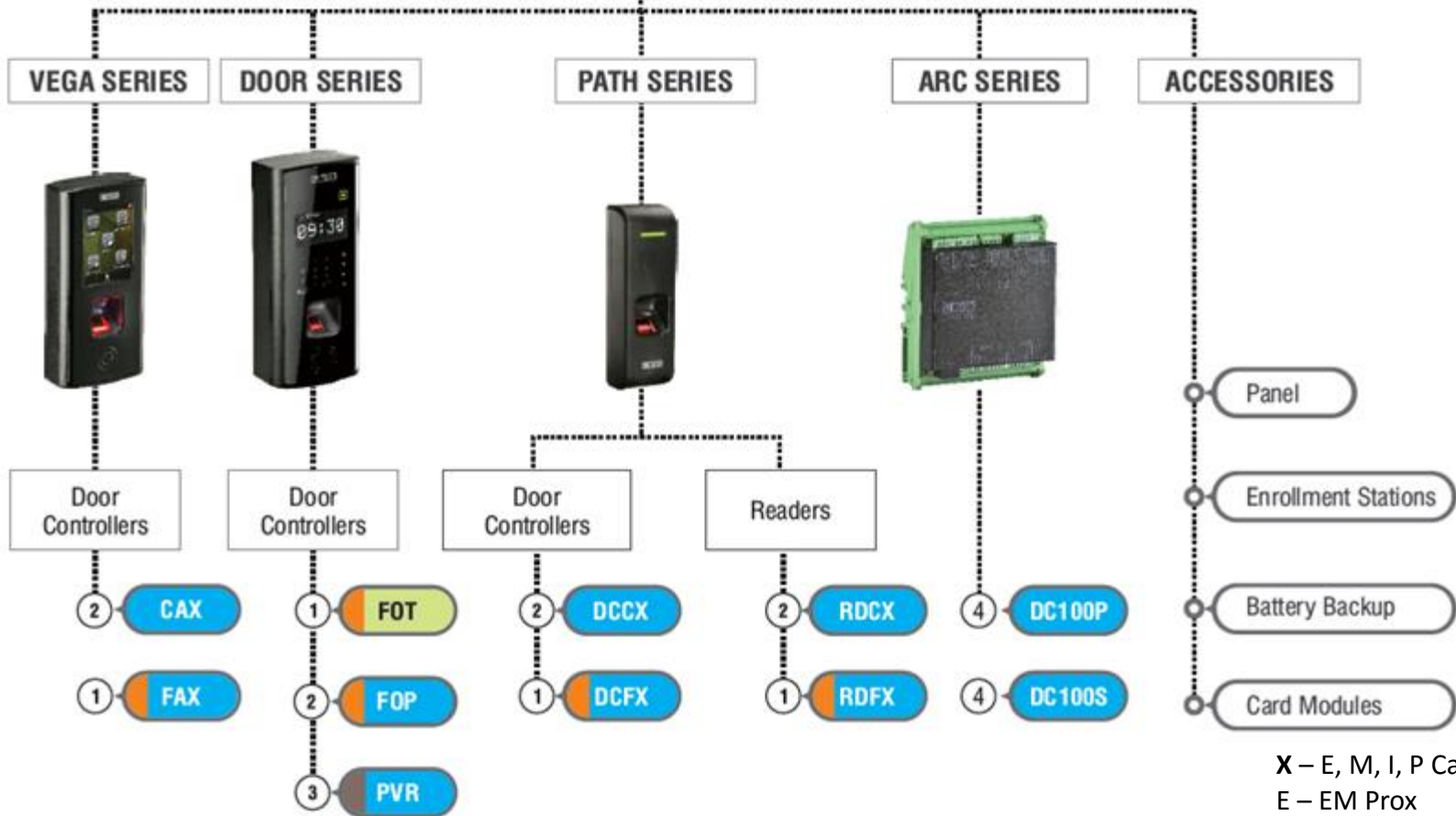


# COSEC Hardware

# COSEC Hardware



## COSEC HARDWARE SOLUTIONS



X – E, M, I, P Card Support  
 E – EM Prox  
 M – Mifare Smart  
 I – HID iCLASS

- Only Time – Attendance
- Access Control and Time - Attendance
- 1 Fingerprint and RFID Support
- 2 Only RFID Support
- 3 Palm Vein Support
- 4 Single Door Panel
- Suprema Optical Sensor
- Fujitsu Palm Vein Contactless Sensor

# COSEC Door Controllers

# COSEC Door Controllers



VEGA Series



DOOR Series



PATH Series



ARC Series

# VEGA Series



Wi-Fi/3G/  
4G/LTE



Ethernet Port/PoE



3.5" Touch Sense LCD



RS-485



USB Port



Exit Reader Port



Relay Port



Exit Switch Port



Aux Input Port



Aux Output Port



COSEC VEGA SERIES

# VEGA Series – Variants



**COSEC VEGA FAX**  
Fingerprint, RFID Card, and PIN



**COSEC VEGA CAX**  
RFID Card and PIN

# VEGA Series – Key Features



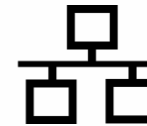
Optical FP  
Sensor



3.5" Touch  
Sense LCD



3G/4G  
Connectivity



Power over  
Ethernet (PoE)



Wi-Fi



Access Control  
Interfaces



Multi Media  
Functions



500,000  
Events



50,000  
Users



USB Port

# DOOR Series



product  
design  
award

2011



GOOD  
DESIGN



COSEC DOOR PVR



COSEC DOOR FOP



COSEC DOOR FOT

# COSEC DOOR PVR – Variants



COSEC DOOR PVR



COSEC DOOR PVR ES

# Palm Vein based Door Controller



# DOOR PVR- Key Features



Palm Vein Reader



Touch – Sense Keypad



128\*64 Dot Matrix LCD



Ethernet Port



Wi-Fi



Access Control Interfaces



Aux IN/OUT Port



1,00,000 Events



10,000 Users



USB Port

# DOOR Series – Variants



COSEC DOOR FOP



COSEC DOOR FOT

Only for  
Time –  
Attendance

# COSEC DOOR FMX



**Premium Door Controller with Multi Spectral Sensor with POE**

# Reads Two Layers of a Finger



	Damaged Finger	Light Pressure	Dry Finger	Wet Finger	Dirty Finger	Elderly Finger	Incorrectly Placed	Enrolment Failure
Conventional Optical Sensor								
Multispectral Sensor								

*Image Quality Read by Conventional and Multispectral Sensor*

# Usage Conditions

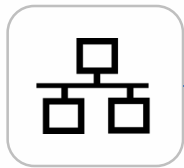


<b>Finger Condition</b>	<b>Usage Area</b>	<b>Industry</b>
Dry	Deserts	Construction, Manufacturing
Wet or Oily	Humid, Rainy	Gym, Chemical, Manufacturing
Dirty	Dusty Regions, Outdoor Application	Manufacturing, Mines, Transportation
Bright Light	Outdoor Application	Construction
Variable Pressure	Children and Aged Users	Education, Club, Health Care

# COSEC DOOR FMX



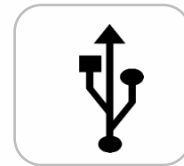
Wi-Fi/Mobile Broadband



Ethernet Port/ PoE



4.2" Touch Screen



USB Port



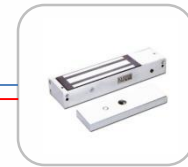
Aux Output Port



Exit Reader Port



Relay Port



Exit Switch Port



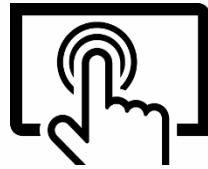
Aux Input Port



# COSEC DOOR FMX: Key Features



Multispectral  
Fingerprint Sensor



4.2" Touch Screen



Wi-Fi



Power over  
Ethernet



3G/4G/LTE



Ethernet



USB Port



Aux IN/OUT Port



50,000 Users



500,000 Events



Live Finger Detection



Access Control  
Interfaces

# DOOR Series



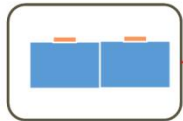
Ethernet Port



Touch Sense Keypad



USB Ports



Power Supply

Exit Reader Port



Relay Port



Exit Switch Port



Aux Input Port



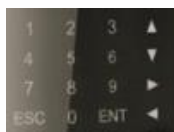
Aux Output Port



# COSEC DOOR Series – Key Features



Optical FP  
Sensor



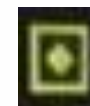
Touch – Sense  
Keypad



128\*64 Dot  
Matrix LCD



Ethernet Port



LED Indication



Access Control  
Interfaces



Aux IN/OUT  
Port



500,000  
Events

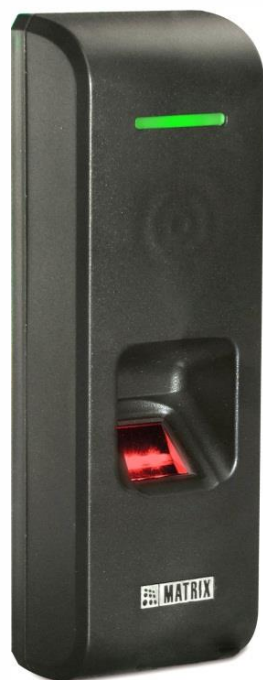


10,000  
Users



USB Port

# PATH Series



COSEC PATH DCFX



COSEC PATH DCCX

X: E, M, I, P Card Support Where E: EM Prox, M: Mifare Smart, I: HID iCLASS

# PATH Series- Key Features



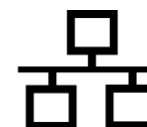
Optical FP  
Sensor



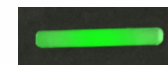
IP65



Tamper  
Detection



Power over  
Ethernet (PoE)



LED Indication



Access Control  
Interfaces



Buzzer



50,000  
Events



10,000  
Users



USB Port



# COSEC ARC- Single Door Panel

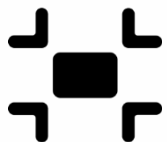


COSEC ARC DC100P  
With PoE



COSEC ARC DC100S  
With RS-485

# COSEC ARC



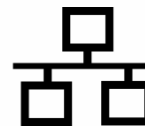
Compact Design



2 Readers Support



Integrate 3<sup>rd</sup> Party Wiegand Readers



Power over Ethernet (PoE)



LED Indication



Access Control Interfaces



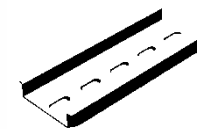
Aux IN/OUT Port



100,000 Events



10,000 Users



Std. Din Rail Mounting

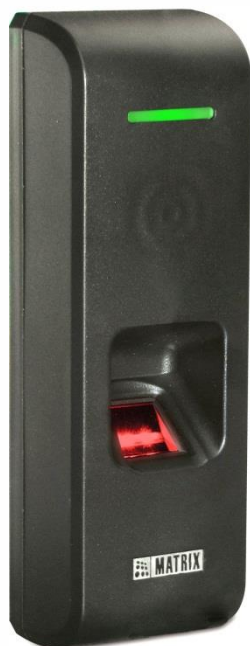
# COSEC ARC IO800



- 8 Port Input/output Controller
- Power over Ethernet (PoE)
- Ethernet and/or RS-485 Connectivity
- Application: **Elevator Access Control (for Max. 8 Floors)**
- LED Indication for Device and Network Status

# COSEC Readers

# PATH Series – Readers



COSEC PATH RDFE  
COSEC PATH RDFM  
COSEC PATH RDFI

**Fingerprint and Card based**



COSEC PATH RDCE  
COSEC PATH RDCM  
COSEC PATH RDCI

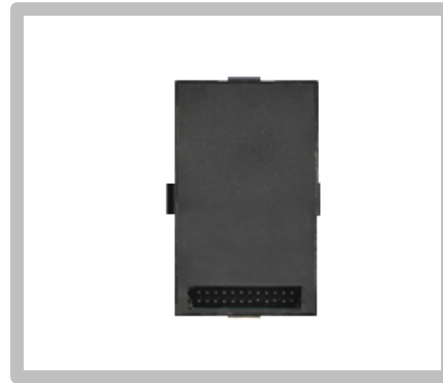
**Card based**

# COSEC Accessories

# COSEC Card Personality Module

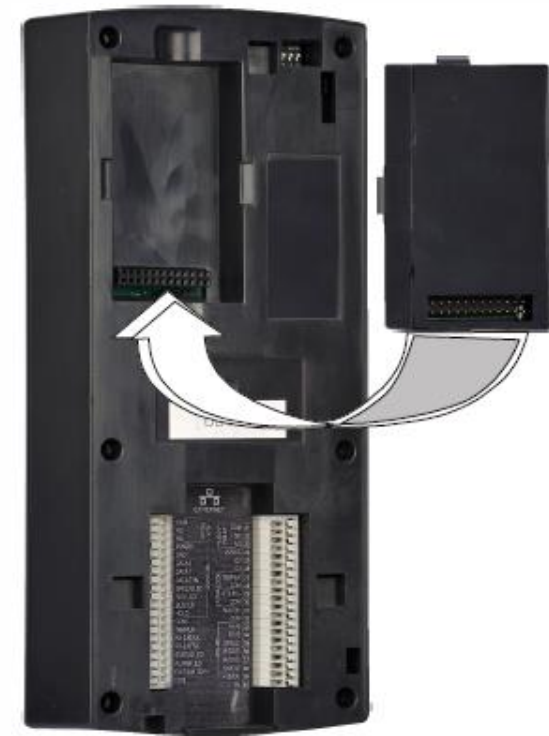


COSEC **VEGA** Series



COSEC **DOOR** Series

Pluggable Card Personality Module



# COSEC Card Personality Module



PRODUCT	TECHNOLOGY	SUPPORTED DOOR CONTROLLERS
COSEC VEGA CPM EM PROX	Proximity	COSEC VEGA Series
COSEC VEGA CPM MIFARE SMART	Smart Card	COSEC VEGA Series
COSEC VEGA CPM HID iCLASS	Smart Card	COSEC VEGA Series
COSEC CPM EM PROX	Proximity	COSEC DOOR Series
COSEC CPM MIFARE SMART	Smart Card	COSEC DOOR Series
COSEC CPM HID iCLASS	Smart Card	COSEC DOOR Series

# COSEC Enrolment Stations



COSEC ENROLL **FINGER**



COSEC ENROLL **PALM**

Enrolment Utility for Easy User Enrolment

Desktop Based System Components

Enrolment Software to View Fingerprint Image Quality

# COSEC Battery Backup



Power Supply Battery Backup for COSEC Door Controllers

3.2 Ah and 12V DC

**PSBB12 V**



Power Supply Battery Backup for COSEC VEGA Series Controllers

3.0 Ah and 3.7V DC

**COSEC VEGA BBU**



Power Supply Battery Backup for COSEC PATH Series Controllers

3.0 Ah and 7.4V DC

**COSEC PATH BBU**

# COSEC Software

# COSEC Software



## ADD-ON APPLICATION SOFTWARE MODULES

TIME ATTENDANCE	EMPLOYEE SELF SERVICE	ACCESS CONTROL	VISITOR MANAGEMENT	CAFETERIA MANAGEMENT	CONTRACT WORKERS MANAGEMENT	JOB PROCESSING AND COSTING	VEHICLE ACCESS MANAGEMENT	FIELD VISIT MANAGEMENT	ROSTER MANAGEMENT
TAM	ESS	ACM	VMM	CMM	CWM	JPC	VAM	FVM	RSM

## COSEC CENTRA PLATFORM



Users



Admin



Devices

# COSEC CENTRA Platform



**COSEC CENTRA LE**  
(With 1000 Users. Expandable Up  
To 1 Million Users)

**COSEC CENTRA PE**  
(With 100 Users)

**COSEC CENTRA  
PLATFORM**

**COSEC CENTRA ME**  
(With 500 Users. Expandable Up  
To 1000 Users)

**COSEC CENTRA GE**  
(With 100 Users. Expandable Up  
To 500 Users)

# COSEC CENTRA Platform



Web Based Application Software

65,000 Door Controllers and 1 Million Users

Modular Architecture

SQL and Oracle Database Support

Real – Time Monitoring and Control



# Add-on Application Software Module



**Time -Attendance**



**Access Control**



**Visitor Management**



**Cafeteria Management**



**Job Processing and Costing**



**Employee Self Service**



**Roster Management**



**Vehicle Access Management**



**Contract Workers Management**

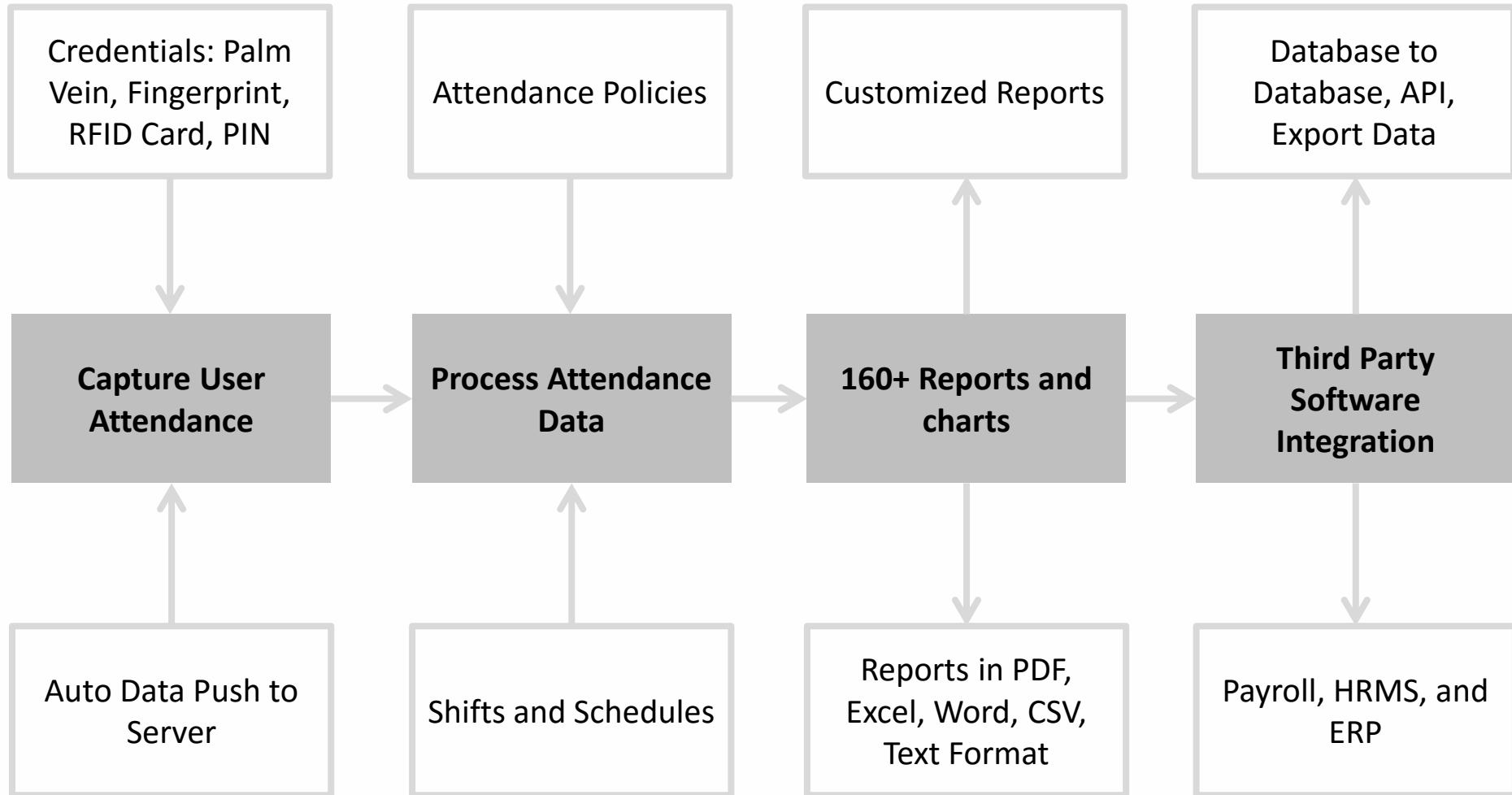


**Field Visit Management**

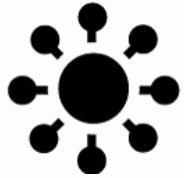
# Time – Attendance



# Time – Attendance: Process



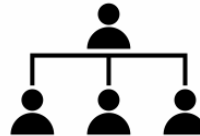
# Time – Attendance: Key Features



Web – Based  
Access



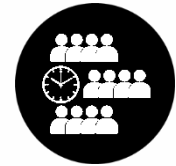
Scheduler  
Services



Enterprise  
Structure



Time – Attendance  
Policies



Shifts and  
Schedules



Leave  
Management



Payroll  
Integration



SMS and Email  
Notifications



150+ Customized  
Reports and Charts



COSEC Tracker

# Time-Attendance



ADVANTAGES	BENEFITS
Automated, Fool-proof Attendance Capturing	Increase in Productivity and Minimize Overpayments
Flexible Time-Attendance Policies, Shifts, Overtime Policies	Meets Disparate Needs of Different Functions, Locations, and Individuals
Web based Access	Saves time, Better Planning of Employees
Reports and Charts	Easy Interpretation and Decision Making
SMS and Email Notifications	Faster Response to Exceptional Situations
Integration with Third Party Payroll	Smooth and Timely Salary Payments

# Employee Self Service Portal



# Employee Self Service Portal (ESS)



## For Employees:

- View Attendance and Leave Details
- Mark Attendance
- View Shifts and Schedules
- Visitor Pre-Registration
- View Cafeteria Details
- Apply for Leave/Tour
- Apply for Attendance Correction
- Edit Personal Information



## For Reporting Officers:

- Approve Leave/Tour Request
- Approve Visitor Pre-Registration
- Authorize Attendance
- Plan Shifts and Schedules
- View Team Attendance

ESS is available on:



# ESS: Key Features



Live Dashboard



Mark/Authorize  
Attendance



Apply Leave/Tour with  
Attendance Correction  
Functionality



Add Personal  
Details



Visitor  
Pre – Registration



View Cafeteria  
Details

# Employee Self Service

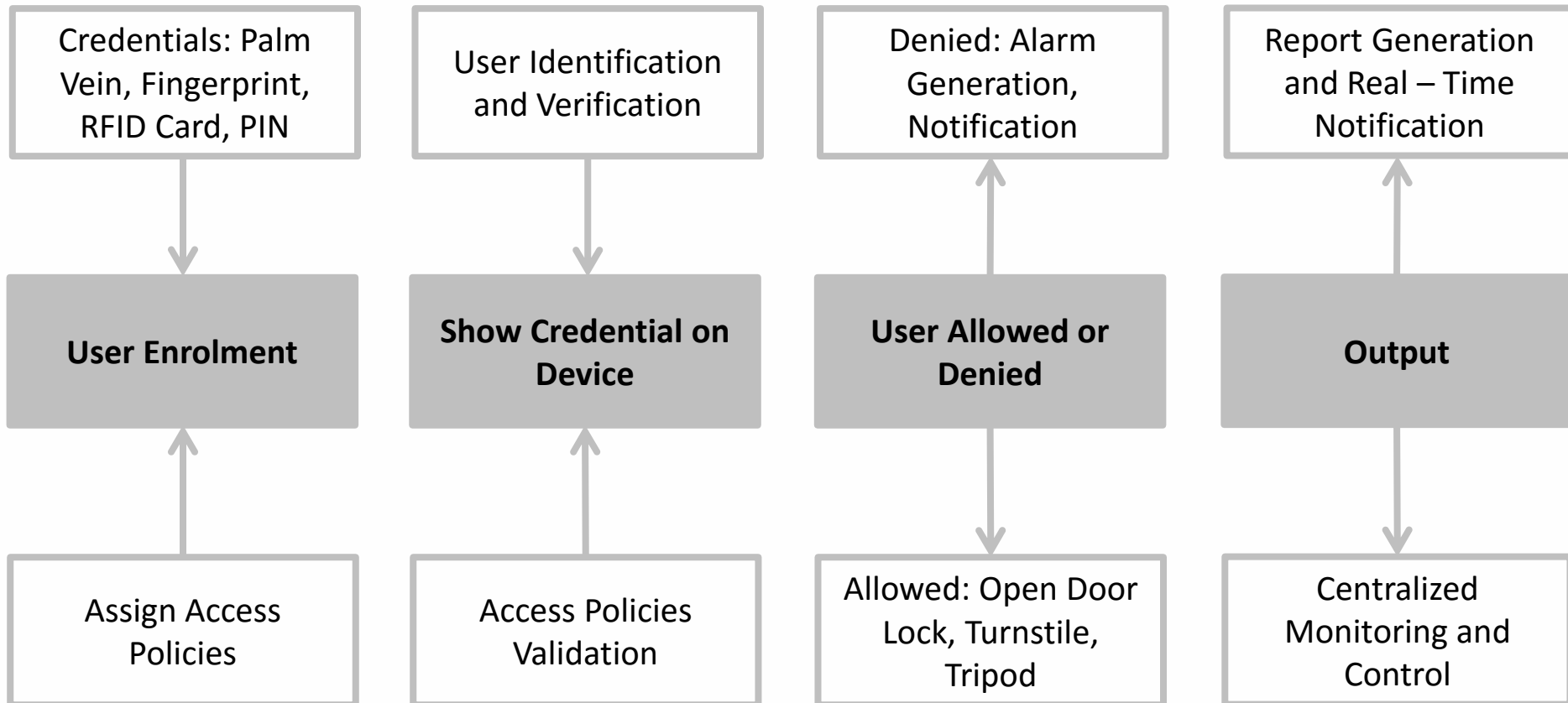


ADVANTAGES	BENEFITS
Easy and Accurate Attendance Marking through Employee's Portal	Saves Time, No need of Device
Applying Leave/Tour from Anywhere through PC/Mobile	Increase in Morale
Convenient Attendance Marking of Employees on Field	Easy Tracking of Field Employees
Automatic Attendance Marking through Wi-Fi/GPS	Higher Productivity, Saves Time and Money
Easier Access to Canteen Expenditure	Higher Transparency, and Trust
Easy Viewing of Attendance Details	Increase in Transparency, Employee Satisfaction

# Access Control



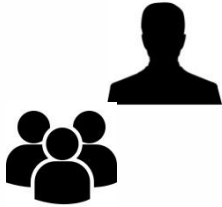
# Access Control: Process



# Access Control: Key Features



2 – Person Rule



First – In User



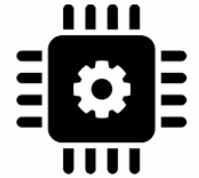
Guard Tour



Anti – Pass Back



Occupancy Control



Hardware Integrations



Tamper Detection



Man - Trap



VIP Access



Dead Man Zone



Duress Detection



Reports



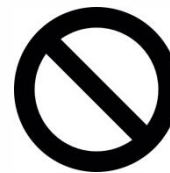
Alarm



SMS and Email



Live Monitoring



Blocked User



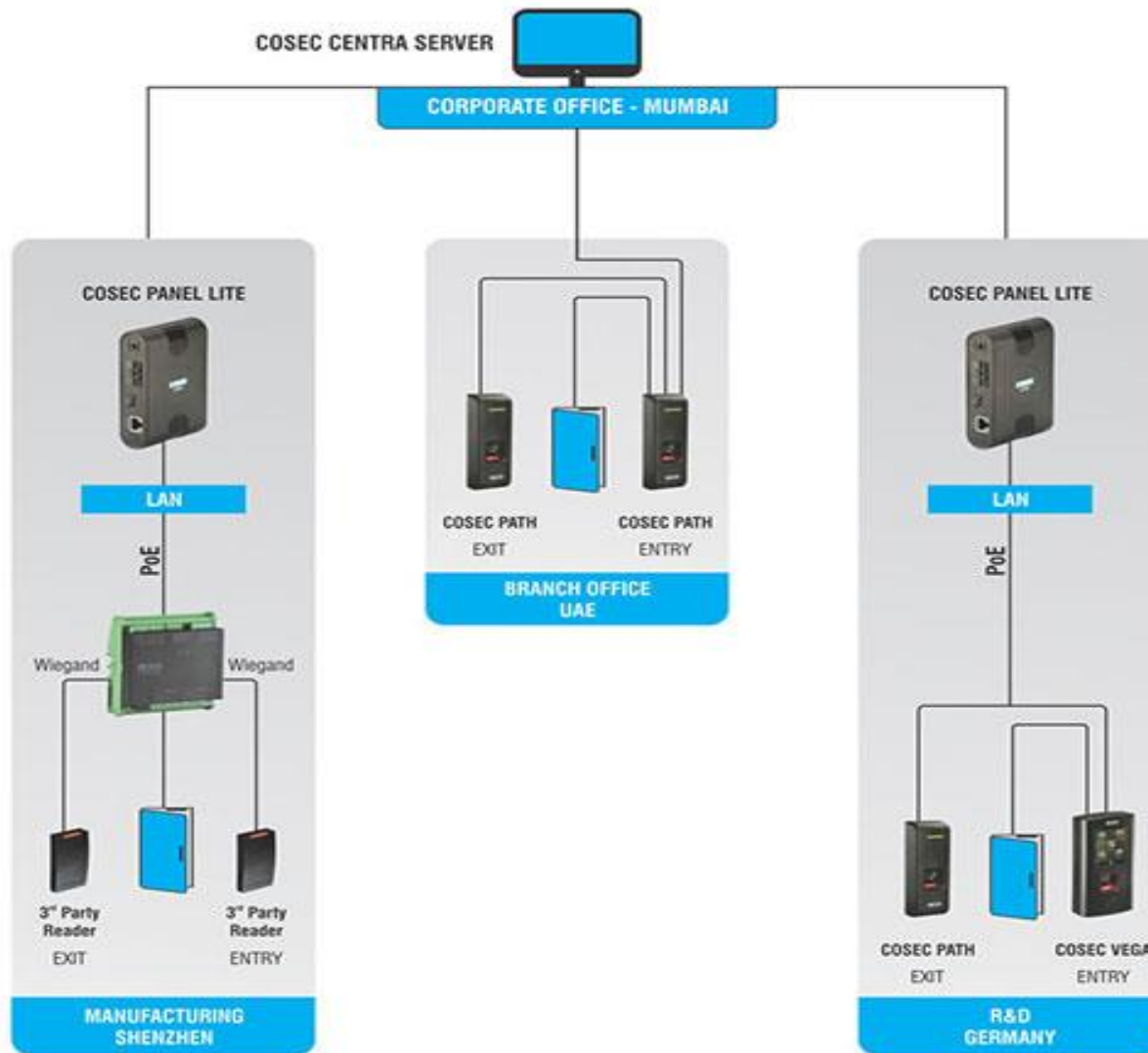
User, Time, Zone Access



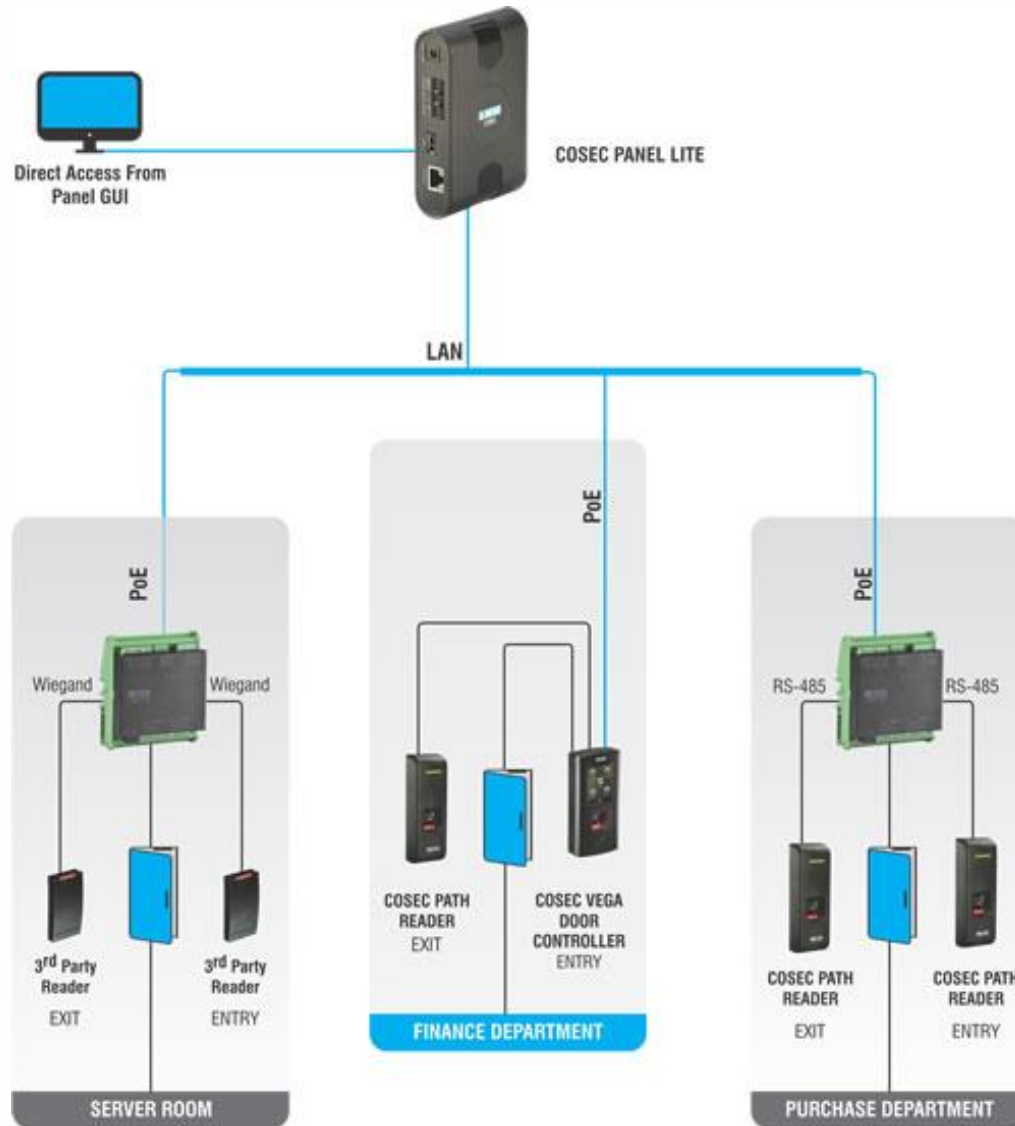
Access Route

ADVANTAGES	BENEFITS
Integration of All Locations	Complete Visibility and Better Control
Centralized Management with Local Execution	Facilitate Centralized Process as well as Local Activities Like Enrollment
Real-Time Dashboard Views, SMS and E-Mail Notifications	Faster Response to Exceptional Situations
Connect Third Party Readers	Protect Existing Investment
Advance Access Control Features Like 2-Person, First-In User, Guard Tour, Man Trap for Sensitive Zones	Additional Security for Sensitive Zones
Integration with Video Surveillance and Other Applications	Tighter Integration for Value-Added Functions and Enhanced Security

# Access Control – Network Mode



# Access Control – Standalone Mode



# Access Control – Standalone Mode



ADVANTAGES	BENEFITS
Control up to 255 Doors and 25,000 Users from a Single IP Panel	Eliminate Need for Multiple Panels
Leverage IP Technology	Standard Structured Cabling, Higher Reliability
Connect Existing Third Party Readers	Protect Investment in Existing Readers
PoE Door Controller for Powering Readers and Lock	Simplified Installation, High Reliability
Standalone Operation without Server	Eliminate Server Cost
Scalable for Future Expansion	Optimum Investment

# Access Control - Modes



	STAND ALONE	NETWORK
<b>For</b>	SMB, SME and SOHO	Enterprises and SME
<b>Location</b>	Single Location	Multiple Locations
<b>Software</b>	Built-in with COSEC PANEL LITE	Web Based with COSEC CENTRA
<b>Capacity</b>	255 Doors	65,000 Doors
<b>Users</b>	25,000 Users	Up to 1 Million Users

# Access Control for Data Centres

Data Centre Authentication



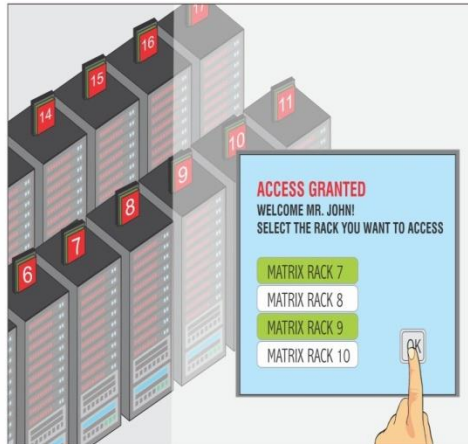
Data Centre Access Allowed



Rack Authentication



Rack Selection



Rack Access Allowed



# Access Control for Data Centres



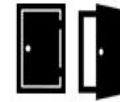
SMS/Email Notifications



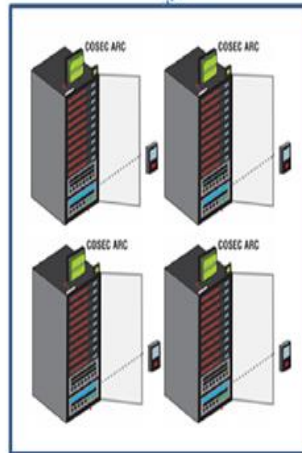
Alarm on Door Abnormal



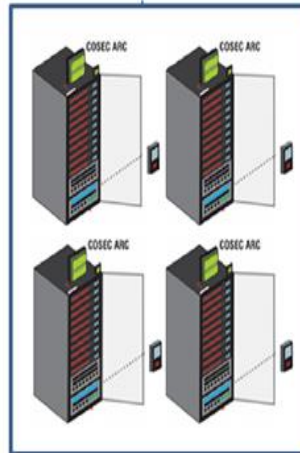
Central Monitoring through E-Map



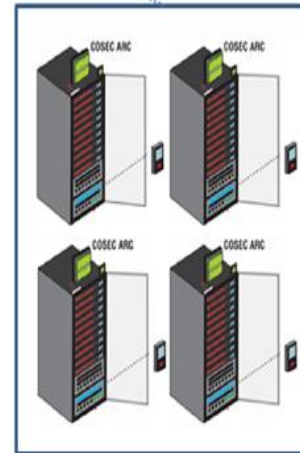
Door Status Monitoring



Location 1

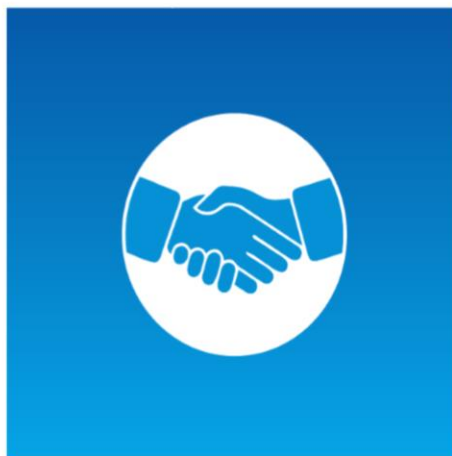


Location 2

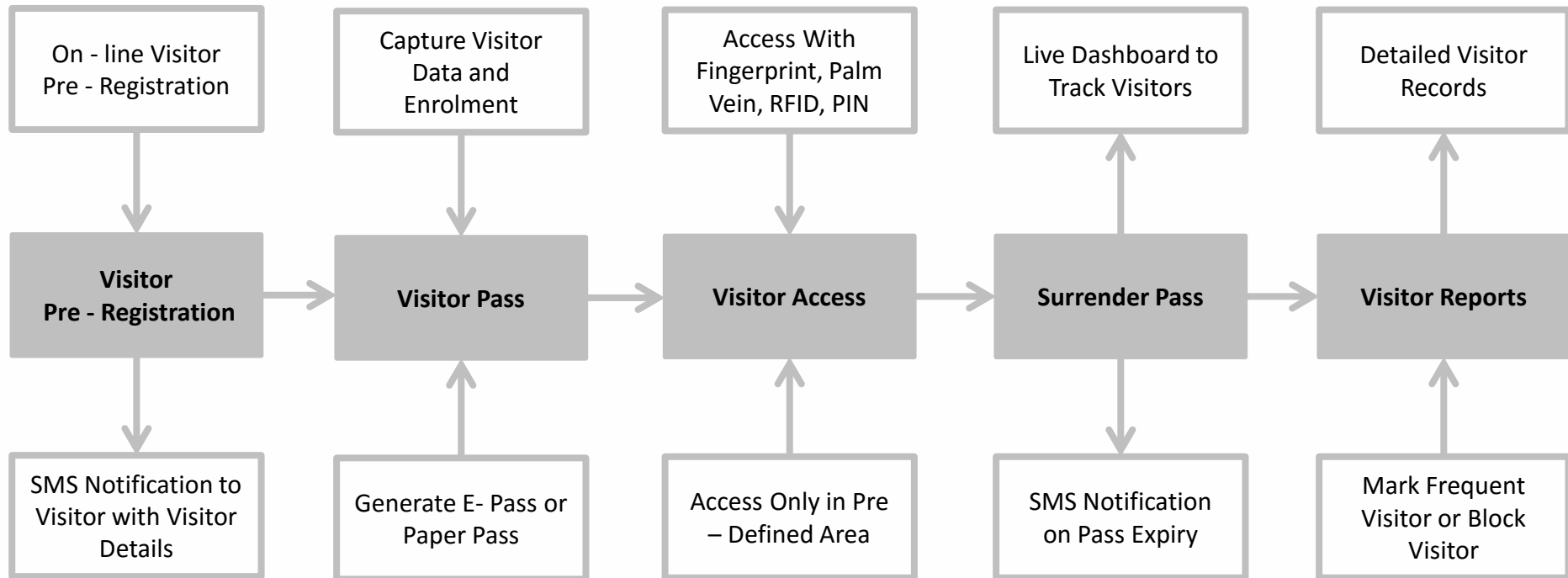


Location 3

# Visitor Management



# Visitor Management: Process



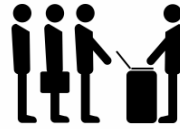
# Visitor Management: Key Features



Multi – Gate  
VMM



Integrations



Visitor Pre -  
Registration



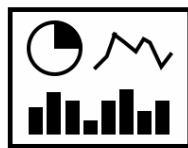
Notifications



Visitor Enrolment



Customized  
Visitor Pass



Visitor  
Dashboard



Escort Visitors  
and Frequent  
Visitors



Blocked Visitor



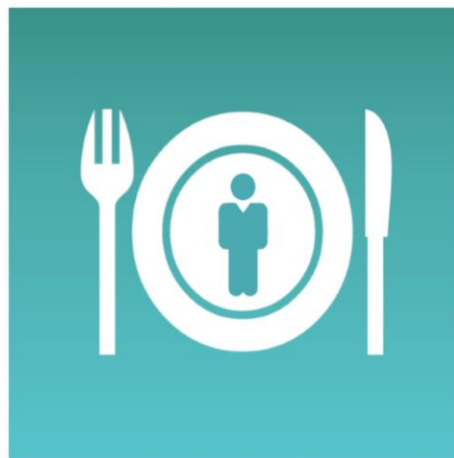
Reports

# Visitor Management

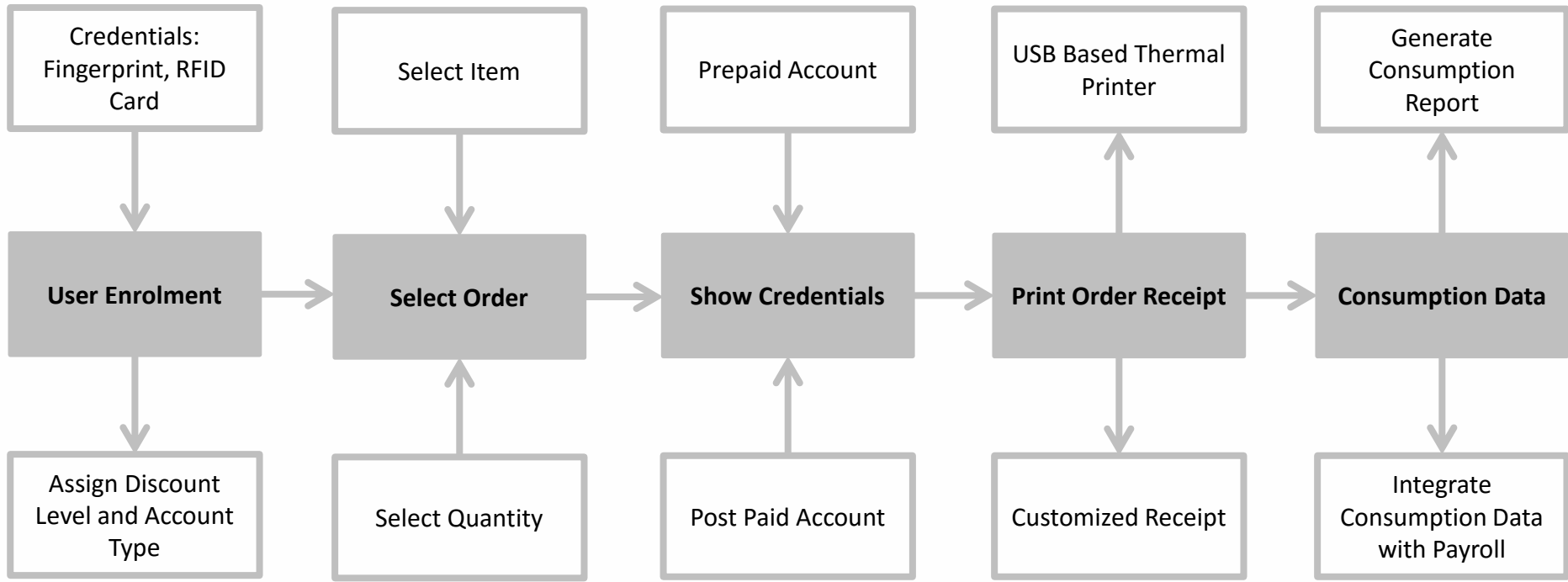


ADVANTAGES	BENEFITS
Visitor Pre – Registration	Advance Planning and Better Control
Access Control for Visitors	Protects Valuable Assets from Theft, Spying and Snooping
Fast Visitor Check – in Process	Productivity and Image Booster
Visitor Records	Incident Tracking, Analysis and Decision Making
Paperless Visitor Management	Reduces Cost and Improves Productivity
Retrieve Frequent Visitors’ Details	Productivity and Image Booster
Notifications	Better Preparedness and Productivity

# Cafeteria Management



# Cafeteria Management: Process



# Cafeteria Management: Key Features



Customizable  
Menu and  
Items



Menu  
Schedule



Cashless  
Transactions



Order  
Correction



Blocked  
Users



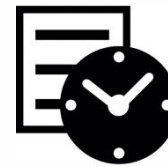
Consumption  
Status



Integration  
with Payroll  
Software



Integration  
with Printer



Food  
Planning



Reports

# Cafeteria Management

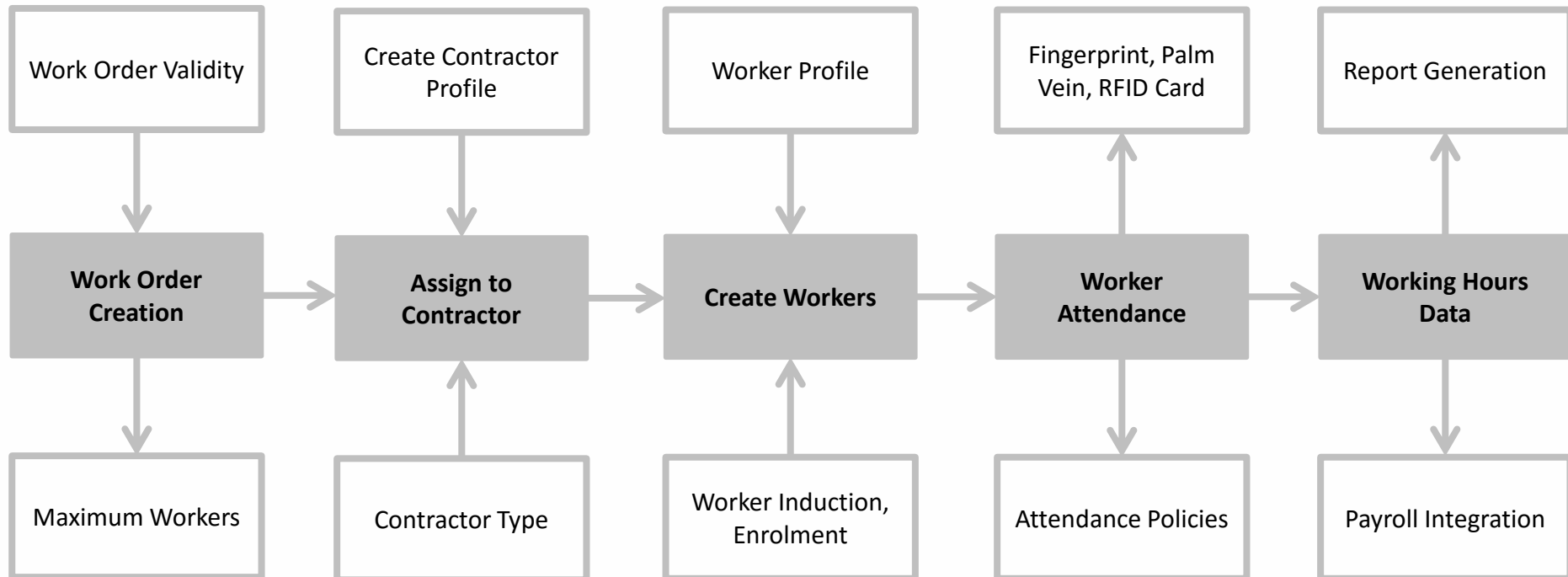


ADVANTAGES	BENEFITS
Use Attendance Data for Planning, Preparing, and Cooking Food	Reduce Wastage of Food and Reduce Cost
Transparent System	Improve Quality of Service and Reduce Leakages and Arguments
Automated Data Transfer	Save Admin, HR Time, Reduce Errors and Improves Productivity
Cashless, Coupon-less Operation	Speedy Operation Improves Efficiency and Increases Capacity
Automated Operations	Reduce Manpower Cost

# Contract Workers Management



# Contract Workers Management: Process



# CWM: Key Features



Work Orders' Management



Contractor Profile



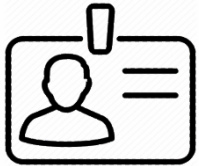
Contractor Web Portal



Worker Profile



Worker Enrolment



Worker Pass Creation



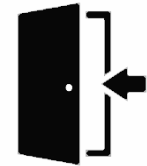
Worker Induction



Worker Time – Attendance



Import Database



Access Control



Blacklist Workers



SMS and Email Notifications



Informative Dashboard



Reports



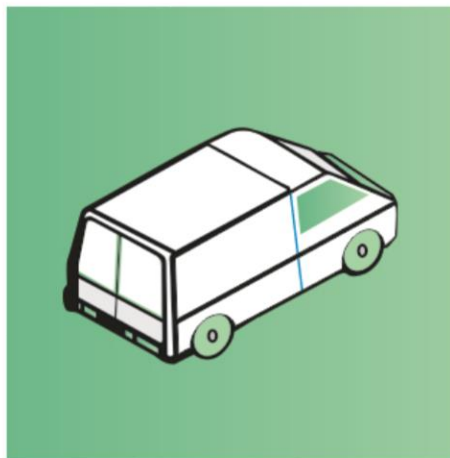
Third Party Software and Hardware Integration

# Contract Workers Management

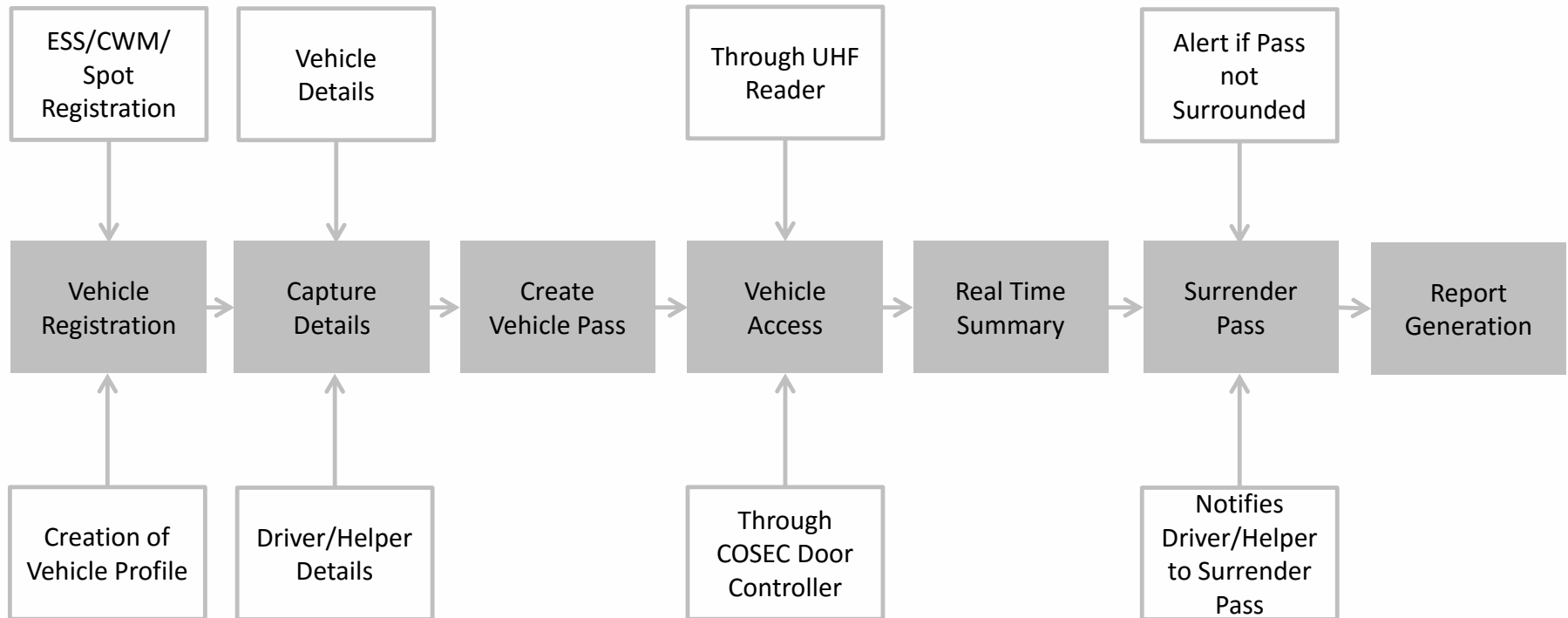


ADVANTAGES	BENEFITS
Tracking Work Orders	Control Project Progress and Cost
Automated, Fool-proof Attendance Capturing	Increase in Productivity and Minimize Overpayments
Flexible Time-Attendance, Shifts, Overtime Policies	Meets Disparate Needs of Different Functions, Locations, and Individuals
Web based Contractor Portal	Saves time, Better Planning of Workers
Access Control for Worker	Enhance Security of the Organization
Informative Reports	Easy Interpretation and Decision Making
SMS and Email Notifications	Faster Response to Exceptional Situations
Integration with Third Party Payroll Software	Accurate and Quick Salary Payments

# Vehicle Access Management



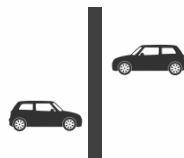
# Vehicle Access Management: Process



# Vehicle Management: Key Features



Vehicle  
Profile



Records  
Entry/Exit



Vehicle  
Access  
Control



Vehicle  
Authentication



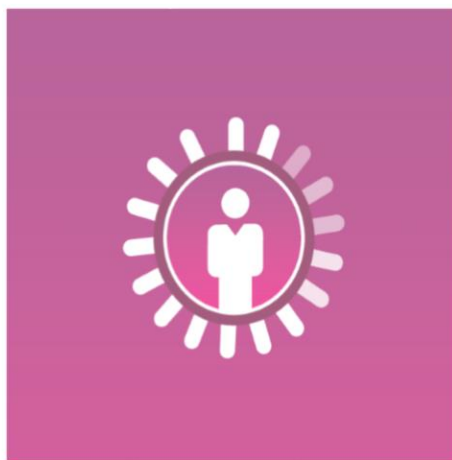
Visitor Vehicles

# Vehicle Management

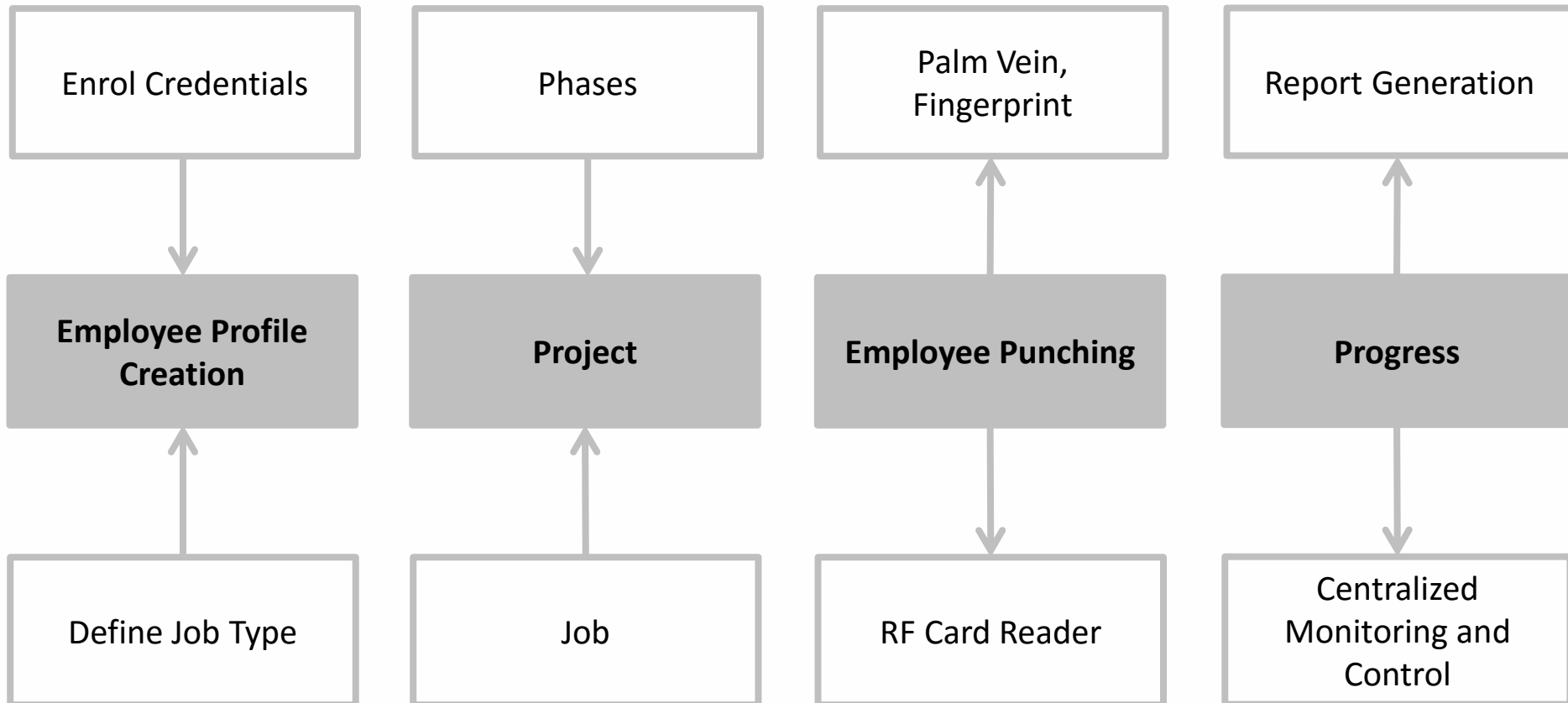


ADVANTAGES	BENEFITS
Vehicle Identification	Saves Time and Enhance Security
Vehicle/Driver/Helper Enrolment	Complete Security to the Organization
Vehicle Database	Fast Access in Less than 1 Sec
Blacklist Vehicles/Drivers	Enhance Security
Vehicle Access Control	Restricts Unauthorized Access
Smart Route Access	Provides Vehicle with Access to Required Areas
Reports	Easy Interpretation with Precise Watch

# Job Processing and Costing



# Job Processing & Costing: Process



# Job Processing & Costing: Key Features



Project and Phases



Job Group and Job



Job Count



Time – based Job Allocation



Site Mapping



Daily Job View



Job Status



Forecasting



Time – Sheet Correction



Reports

# Job Processing & Costing



ADVANTAGES	BENEFITS
Create Projects, Phases and Jobs	Systematic Approach
Assign Jobs to Users	Individual Work Tracking
Check daily/weekly/monthly work hours logged for a job	Close Check on Project Progress
Check Status of all Ongoing Jobs and Man Hours Consumed	Forecasting
View Daily Timesheets of All Users	Easy Project Tracking

# Roster Management



# Roster Management: Process



**Database**

**Forecast**

**Roster**

**Reports**

Maintain Employee  
Database and  
Policies

Forecast Number  
and Categories of  
Employees Required

Build Roster  
Allocating Every  
Employee to Defined  
Shifts

Generate Reports for  
Workflow Analysis

# Roster Management: Key Features



Detailed  
Employment  
Contract



Labour Laws



Pay Rate  
Flexibility



Flexible  
Overtime Policy



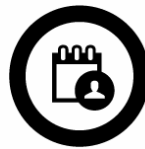
Special Days



Shifts and  
Schedules



Attendance  
and Leave  
Management



Automatic  
and Manual  
Roster



Notifications



Reports

# Roster Management



ADVANTAGES	BENEFITS
Auto Roster Creation	Proper Visibility of Workload, Availability and Options
Shift Pattern and Shift Matrix	Saves Manager's Time from Routine Work
ESS Access to Users	Reduction in Absenteeism and Increase Employee Satisfaction
Automated Attendance Capturing	Increase in Productivity, Discipline and Morale
Integration with Third Party Applications	Seamless Organization for better Speed and Control
Reports	Easy Interpretation and Decision Making
SMS and Email Notification	Better Work Planning
Fixed and Flexible Shifts	As per the Convenience

# Field Visit Management



- Manage Field Employees from Central Location
- Create Schedules of Individual Users on Daily Basis
- Assignment of Daily Work Tasks
- View Field Visit Status
- Live Tracking of Schedule Status via Reports
- Real-time SMS and Email Notifications on Exception

# COSEC SAMAY



Comprehensive Time –  
Attendance and Leave  
Management for **100 Users**



Desktop Based  
Application



Flexible Attendance Policies and  
Assignment of Users



Direct Integration  
with Tally



Various Reports in  
MS Excel



Suitable for SOHO, SMEs  
and Small Organizations

# COSEC SAMAY: Process



Attendance Data Capture from the Device

**Data Capture**

Data Process in COSEC SAMAY

**Data Process**

Report Generation or Integration with Tally

**Report Output**

# COSEC BOQ Preparation

# Customer Case: 1



An organization needs fingerprint based time-attendance solution for their 30 locations with Wi-Fi connectivity for 1100 users

- COSEC VEGA FAX-30
- COSEC LE PLATFORM-1
- COSEC LE USER100-1
- COSEC LE TAM-1 (Optional. Based on Time-Attendance Features Required)

## Customer Case: 2



An organization needs fingerprint and proximity card based access control and time-attendance solution for their 250 users. They need a solution for their two locations with entry and exit reader

- COSEC PATH DCFE-2
- COSEC PATH RDFE-2
- COSEC GE PLATFORM-1
- COSEC GE USER100-2
- COSEC GE TAM-1 (Optional. Based on Time-Attendance Features Required)
- COSEC GE ACM-1 (Optional. Based on Access Control Features Required)
- EM Lock- 2 (not in a Matrix Scope)

## Customer Case: 3



An organization needs HID Proximity card based access control solution for their 20 doors and 750 users. They want to use exit switch in exit. They also want to control their visitors.

- COSEC VEGA CAX-20
- COSEC CPM HID PROX-20
- COSEC ME PLATFORM-1
- COSEC USER100-3
- COSEC ME VMM-1
- COSEC ME ACM-1 (Optional. Based on Access Control Features Required)
- Exit Switch-20 (not in a Matrix Scope)

# Customer References

## **Applications:**

- Time-Attendance
- Access Control
- Workers Management Solution
- Visitor Management Solution

## **Technology:**

- Biometric Fingerprint
- Smart Card
- Wireless Connectivity

## **Solutions Offered:**

- Real-Time Monitoring and Control
- Integration with SAP
- SMS and Email Notification
- Integration with Boom-Barrier
- Integration with Card Printing Software
- Centralized Data Management
- Route based Access Control
- Smart Identification
- Network Interface Failover

## **Matrix Offering:**

- Devices: 1200+
- Users: 30,000+
- Locations: India and Indonesia

## **Benefits:**

- Fool-Proof Security in Sensitive Areas
- Proactive Access Control
- Error Free Attendance Data

## Applications:

- Time-Attendance
- Employee Self Service Portal

## Technology:

- Biometric Fingerprint based Devices

## Solutions Offered:

- Centralized Attendance Data
- Real-Time Attendance Management
- Integration with Payroll Software
- Door Offline Notification
- Attendance for Field Staff

## Matrix Offering:

- Devices: 700+
- Users: 18,000+
- Location: Across India

## Benefits:

- Error Free Attendance Data
- Timely Salary Payment
- Centralized Attendance Management

## **Applications:**

- Managing Time-Attendance of 1000+ Employees in Outlets at Mumbai

## **Technology:**

- Fingerprint Reader (with Optical sensor)

## **Matrix Offering:**

- Users: 1000+
- Devices: 30+
- Locations: 30+ Outlets (in Mumbai)

## **Benefits:**

- Improved productivity with accurate attendance calculation
- Automated payroll tracking and calculations save time of HR personnel

## **Solutions Offered:**

- Web based time-attendance solution for 30+ locations with biometric fingerprint based terminals
- Flexible attendance marking option for calculating accurate working hours in a day and payroll tracking
- Monthly attendance reports with overtime
- Direct integration with HRM software

## Applications:

- Time-Attendance
- Access Control
- Employee Self Service Portal

## Technology:

- Biometric Palm Vein Controller
- RFID Smart Card
- Wireless Connectivity

## Solutions Offered:

- Accurate Overtime Report
- Centralized Attendance Management
- Integration with Turnstile in Factory
- Accurate Attendance Data for Salary
- Automatic Report Scheduler
- Employee-wise Portal for Attendance
- Fast and Accurate Palm Identification

## Matrix Offering:

- Devices: 20+
- Users: 500+
- Locations: Saudi Arabia (HO and Factory) and Dubai

## Benefits:

- Restrict unauthorized Access in Manufacturing Unit
- Error Free Attendance Data for Salary Processing
- Accurate Overtime Payment

# Our Clientele

## BFSI



- Gruh Finance Ltd
- Reserve Bank of India
- Shriram Finance
- NBQ Bank (UAE)
- Mahindra Finance
- Vijaya Bank
- Money Matters Securities Pvt Ltd
- MF Global
- State Bank of India
- Surat Peoples Co-Operative Bank
- Islamic Development Bank (Iraq)
- Mahindra Finance

## Government



- Power Grid
- Indian Air Force
- Ahemednagar Municipal Corporation
- Bhartiya Rail Bijlee Company Ltd.
- Special Task Force, Kolkata Police
- Bharat Heavy Electricals Ltd (BHEL)
- GNFC
- Ministry of Finance (Indonesia)
- Baroda District Court
- DRDO
- National Library (Vietnam)
- Ministry of Works (Bahrain)

## Manufacturing



- Adani Enterprises Ltd.
- Khimji Ramdas (Oman)
- Tata Steel Ltd.
- Tyco Electronics
- Aujan Industries Co (KSA)
- Linde Engineering India Pvt Ltd
- Reliance Industries Ltd.
- Finolex Power Systems Pvt Ltd
- Woodland Limited
- Schneider Electric India Pvt Ltd
- L'oreal India Pvt Ltd
- VIP Industries Ltd

## Construction



- Sterling and Wilson Ltd.
- Shapoorji Pallonji Co. Ltd.
- Raheja Atlantis
- Parshwanath Builders
- Rustomjee
- Reward Constructions Pvt Ltd
- L&T (Kolkata)
- Shubhkamna Buildtech Private Ltd.
- Al-Khodari Sons Co (KSA)
- Al Majdouie Group (KSA)
- Apex Real Estate (UAE)

## Pharma & Health Care



- Micro Labs Ltd
- Alkem Laboratories Ltd
- Dr. Reddy's Foundation
- Surien Pharmaceuticals Pvt Ltd
- Rottapharm Co. Ltd. (Thailand)
- Biotech Vision Care
- Fortis Memorial Research Institute
- Gold's Gym
- Viva Gym (South Africa)
- Apollo Hospital
- Riaz Medical Center (Sharjah)
- Al Kamal Pharma & Medical Services (KSA)

## IT & Services



- FedEx (Bangladesh)
- Blue Dart Express Ltd
- Real Image Media Technologies (P) Ltd
- TCI
- First Flight Couriers Ltd
- Bharat Matrimony
- TATA Consultancy Services Ltd
- You Broadband India Pvt Ltd
- Wipro Ltd
- Collabera Technologies Pvt Ltd
- CMC Limited
- Dozco India (P) Ltd

## Education



- Euro Kids
- Delhi Public School
- Pune University
- MIT, Pune
- Presidency Group of Colleges
- Rishikul Vidyapeeth
- Indian Institute of Science, Karnataka
- Madanapalle Institute of Technology & Science
- British School
- Peterhouse Group of Schools (Zimbabwe)

## Retail and Others

- Big Bazaar
- Burger King
- Mccain Food (India) Pvt Ltd
- Bhutan Fruit Product Pvt Ltd
- Suguna Foods Limited
- Sarovar Hotel and Resorts
- Chennai Silks
- Hotel Fern
- Centrum Printing (Australia)
- Kuwait Oil Company (Kuwait)
- Khaleej Times (UAE)
- Rotana Jet Aviation (Abu Dhabi)
- Rabigh Refining & Petrochemical Co. (KSA)

# About Matrix



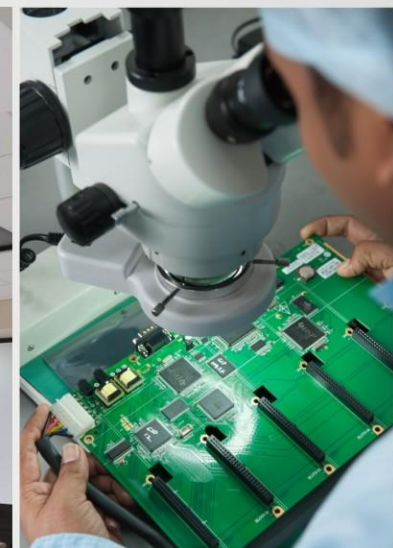
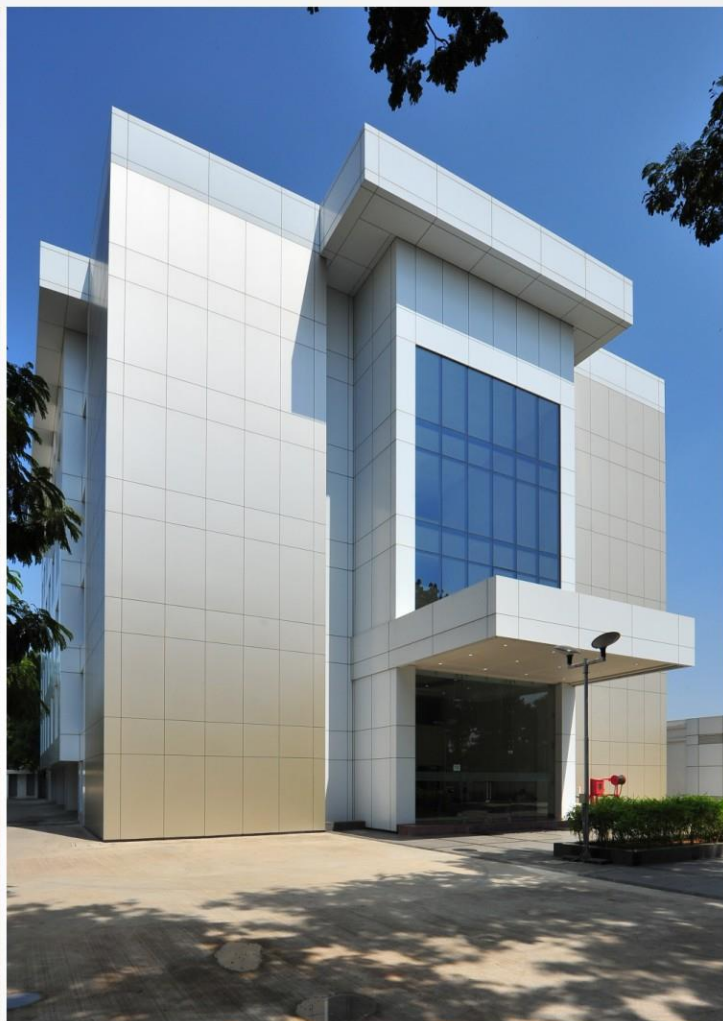
- Established in 1991
- 250+ Security and Telecom Products
- 500+ Channel Partners
- 350,000+ Satisfied Customers
- 50+ Countries Reach
- 700+ Man-years of R&D Experience
- ISO 9001-2008 Certified
- Global Quality Certifications





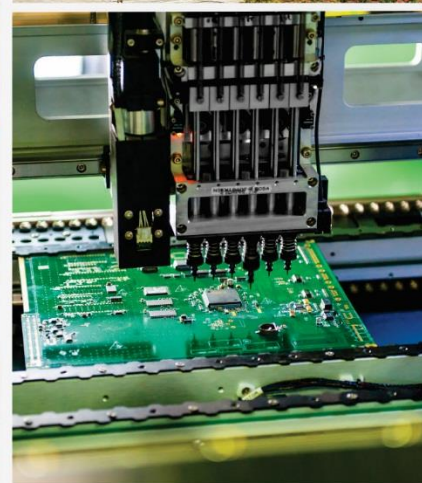
## **CORPORATE OFFICE**

- Based at Vadodara, Gujarat, India
- Departments: Marketing, Sales, Product Management, Support, Finance, Customer Care, Purchase



## R&D CENTER

- 77,000 Sq.Ft
- More than 40% Manpower in R&D, 700+ Man-years of R&D Experience
- World-class Technology Platform and Processes



## MANUFACTURING UNIT

- 73,000 Sq. ft.
- 100+ Work Stations
- International Quality Systems and Processes

# Awards and Achievements



YEAR	ACHIEVEMENT
2016	India Design Mark Award
2016	SECONA Shield Award for Best Access Control Hardware – COSEC ARC
2015	Best “Make in India” Surveillance and Security Solutions Brand by SME Channels Magazine
2015	Awarded as Best Intelligent Security Solutions provider by Electronics Maker
2015	Awarded as one of India’s 100 Innovative SME Company by INC. Magazine
2015	Mr. Ganesh Jivani, recognized as one of India’s top 30 Innovative CEOs by INC
2013	The Good Design Award by Japan Institute of Design Promotion
2012	Awarded as one of the India’s fastest Growing SME by INC Magazine
2012	Top 30 SME Solution Vendors Award
2012	India Design Mark Award
2010	The RED DOT Award for Design and Engineering for COSEC Product Range

# Awards and Achievements



YEAR	ACHIEVEMENT
2010	The IF Design Award for Design and Engineering for COSEC Product Range
2009	The Best managed Company Award by Baroda Management Association
2008	The Best SSI Unit Award by the Federation of Gujarat Industries (FGI) India
2007	The 9 <sup>th</sup> IETE Corporate Award for Excellence in Computer and Telecommunication Systems by the Institution of Electronics and Telecommunications Engineers
2004	The Award for Excellence in Professional Electronics by the Ministry of Communication and IT, Govt. of India
The Best Electronics Company Award from the Gujarat Electronics and Software Industries Association (GESIA) in the Year 2008, 2009, and 2014	
The EFY Readers' Choice Award for the Best PBX – KTS Company in the Year 2004, 2005, 2006, 2007, 2010 and 2011	

# COSEC DEMO Link



Link: <http://116.72.250.74:818/COSEC>

User Name: sa

Password: admin123

# Contact Us



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Contact No	+91 265 2630555
Website	www.MatrixSecuSol.com
Address	394-GIDC Makarpura, Vadodara-390010, Gujarat, India

We put  
**more**  
in the box

so your  
business  
can think  
**more**  
out of  
the box.



Thank You.