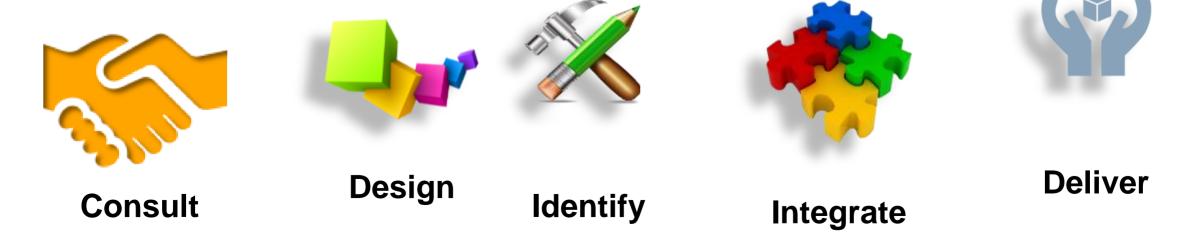
# SMART OFFICE SOLUTIONS AdvantEdge

Be secure ... Be connected

#### The Solution designed considering

- New construction Basement
- Retrofit -

**Smart Offices**, like **smart** cities, are defined as places where devices and applications create new experiences or services and facilitate operational efficiency.





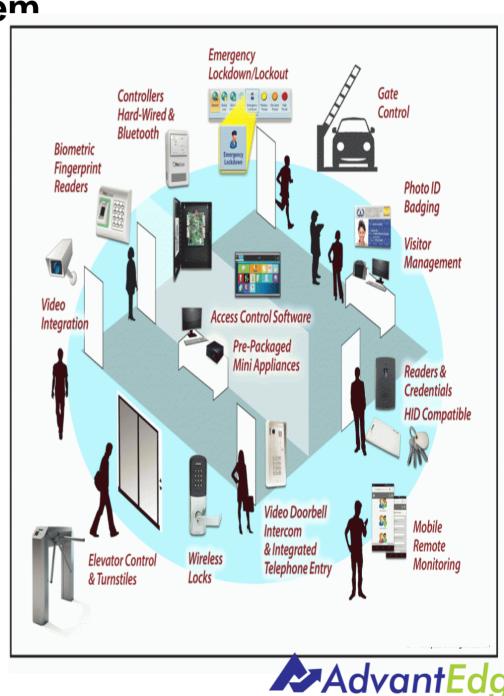
#### **SYSTEMS COVERED:**

- Integrated Contact Less Access Control System
- CCTv Surveillance System
- Integrated Intelligent Building Management System
- Meeting Room Automation
- Facility Team Management
- Automated Sanitization Booths
- Self Check In Kiosk
- Automated Water Dispensing

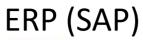


# INTEGRATED ACCESS CONTROL SYSTEM

- Access and Time Attendance System for Employees, Facility Team
- Contact Less Parking Management System
- Pedestrian Management System
- Visitor Management System
- Elevator Access Control System
- Contractor On-boarding & Management
- License Plate Recognition System
- Asset Tracking Control
- Key Management System
- Cafeteria Management System









Active



**HRMS** 



**VMS** 



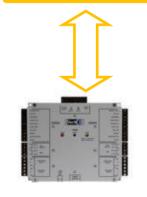
Physical Access Control Alarm Management Biometrics Enrollment Template Management Smart Card Printing

Key Management Visitor & Contractor Management

Time Attendance Leave Management Asset Tracking Single Software

Video Management Video Content Analytics License Plate Recognition

Logical Access Control Cafeteria Management



CLASS Cord CRESCENDO' DELL

Multi-Door Controllers







Single Door Controllers



Biometric Devices



Smart Card Printers



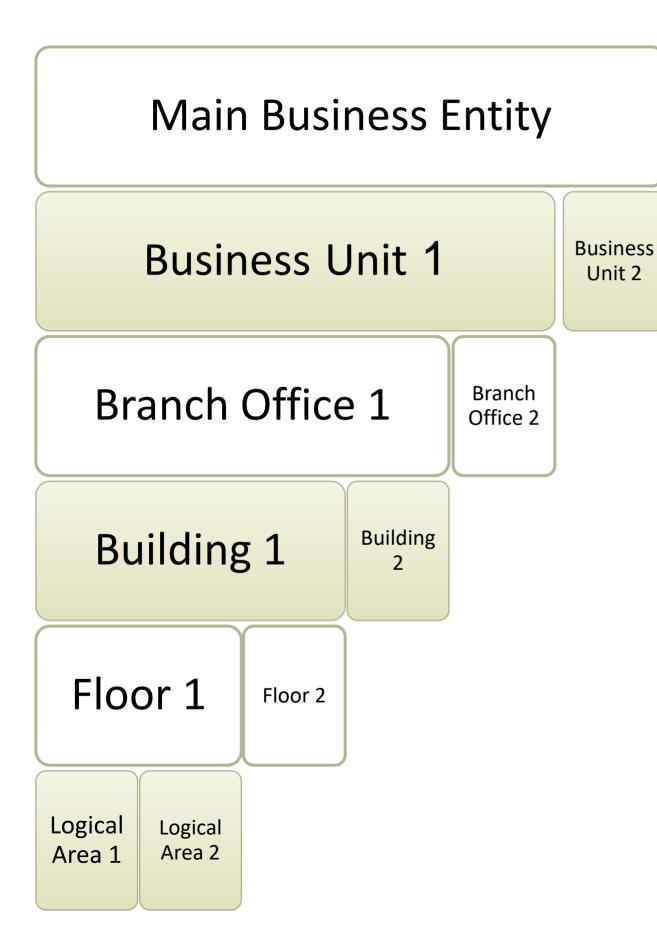






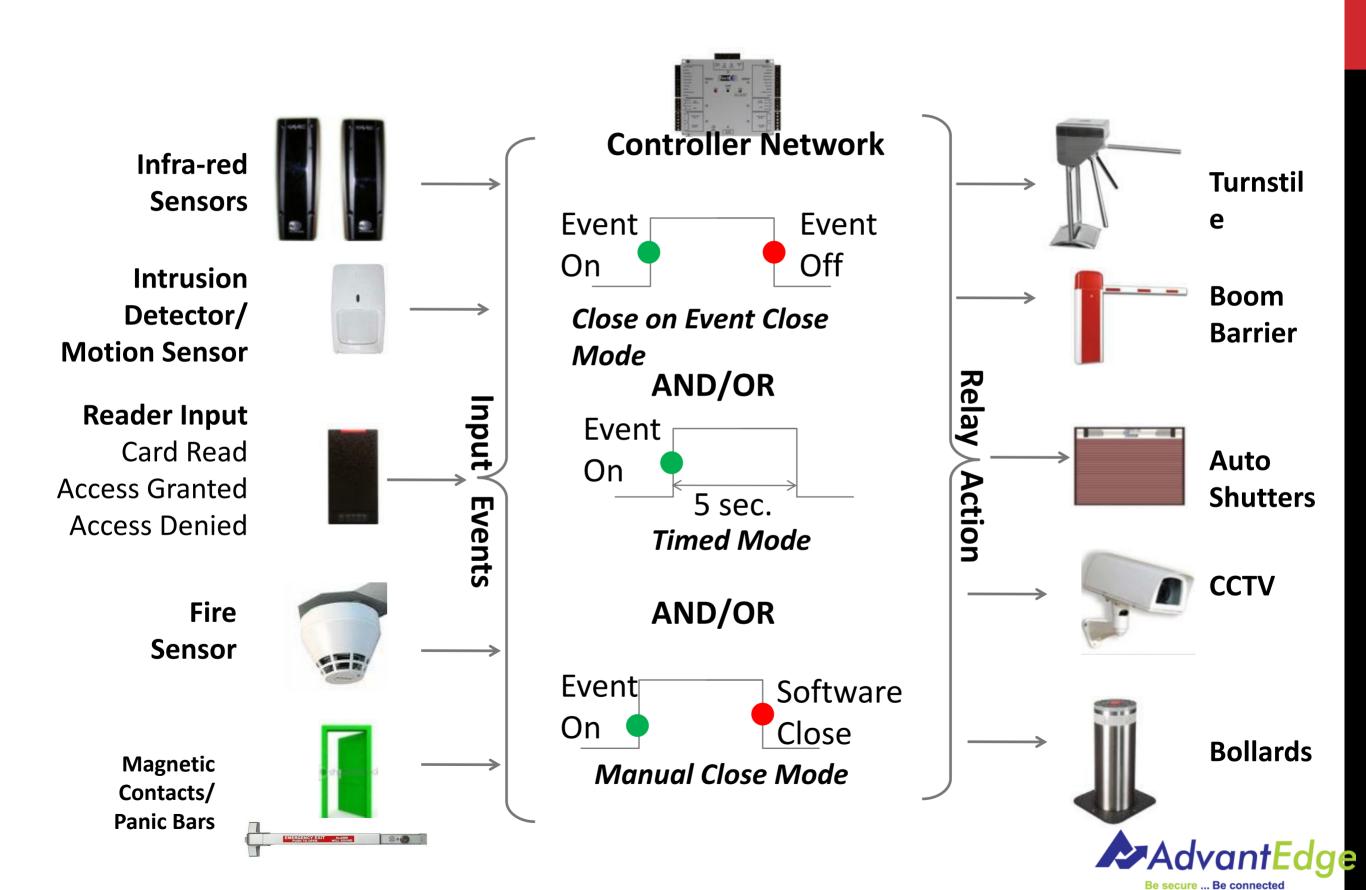
Long Range RFID

#### **MANAGING BUSINESS ENTITIES**

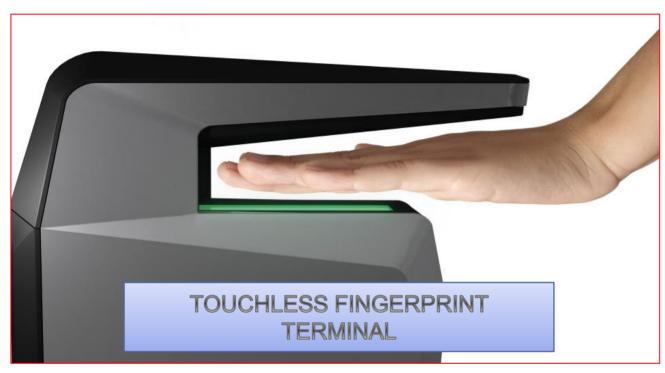


- Web Based Service Oriented Architecture (SOA)
- Multi Tenant Application allows to configure Multiple Business entities coexisting in a facility having common and private areas such as Business Parks, Malls, SEZ(Special Economic Zone)
- Complete confidentiality of information among Business entities.
- Multi Facility-The application acts as a centralized Access Management application across multiple global facilities & Business entities.
- Facilitates Access rights sharing
   & Workflows, Reporting
   Privileges across facilities

# ACCESS CONTROL (LOGICAL DEVICE CONTROL)



# CONTACT LESS ACCESS CREDENTIALS



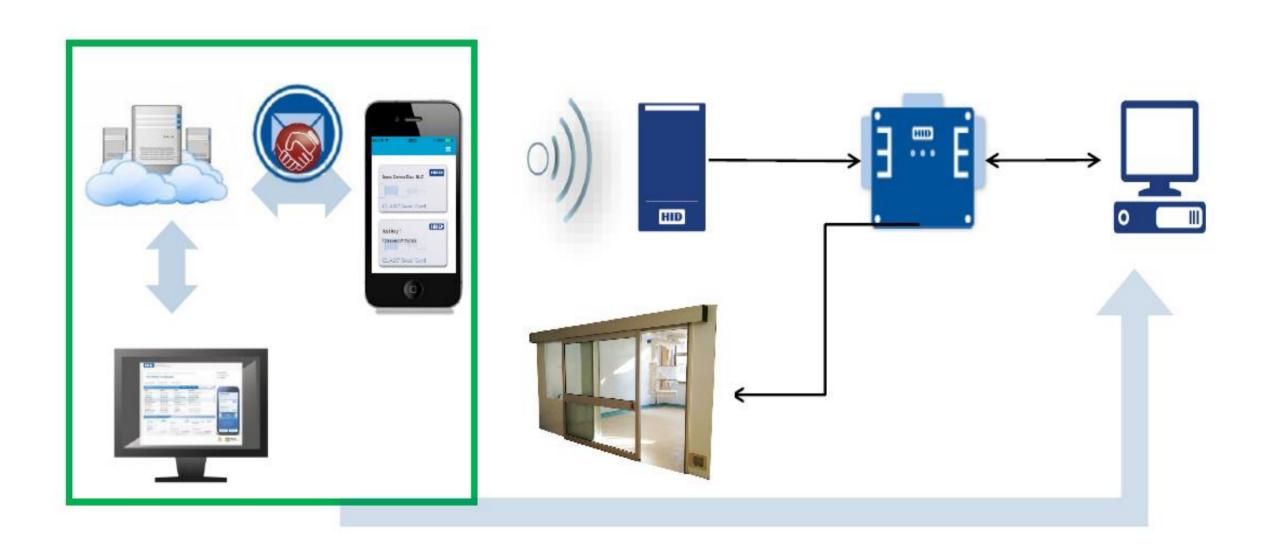






#### **MOBILE BASED ACCESS CONTROL SYSTEM**

#### Mobile Credential





#### **AUTOMATIC SLIDING DOOR**



- Touch Less
   Entry & Exit
- Can be Integrated with Access Control System
- Sensor Based Exit



#### **TOUCH FREE EXIT SWITCH**



- 4 Wire System
- Compatible with Any Access Control
   System
- Touch Less Exit for Visitors



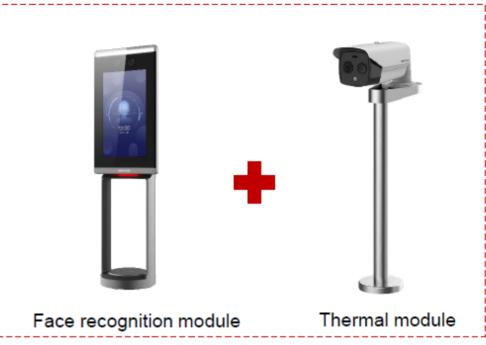
## ACCESS CONTROL BASED SANITIZER USAGE FOR 100% COMPLIANCE



#### PEDESTRIAN MANAGEMENT SYSTEM

#### **Barrier Gate & Fever Screening Solution**





#### **Key Features:**

- · 7-inch touch screen
- Face capacity: 20,000
- Temperature range: 30~45°C
- Temperature accuracy: ±0.5°C
- · Scenarios: enterprise, schools, factories, etc.

- Face recognition & body temperature measurement
- Non-contact fast body temperature measurement (face detection)
- Real-time alarm
- Easy to deploy

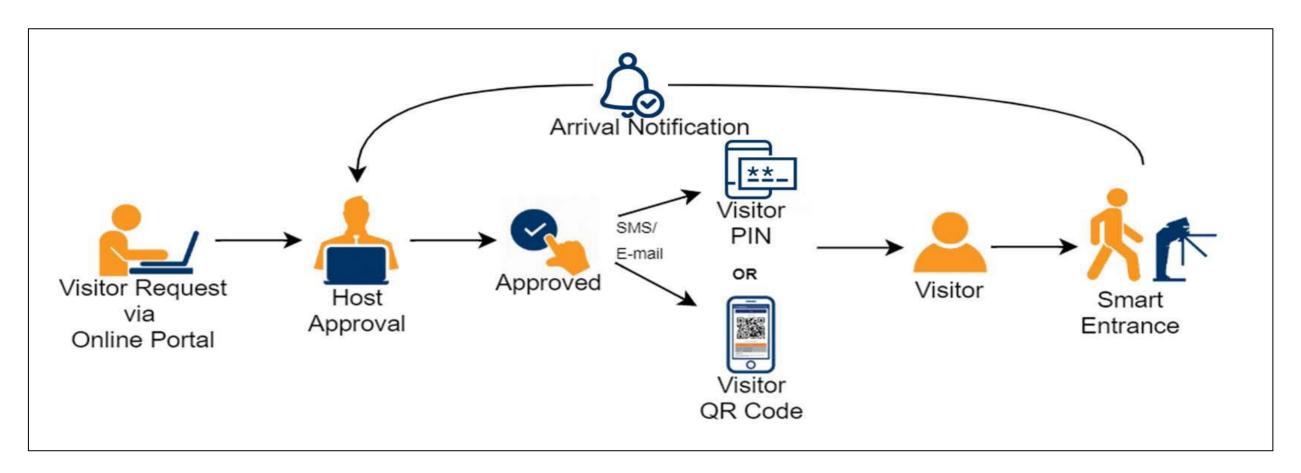


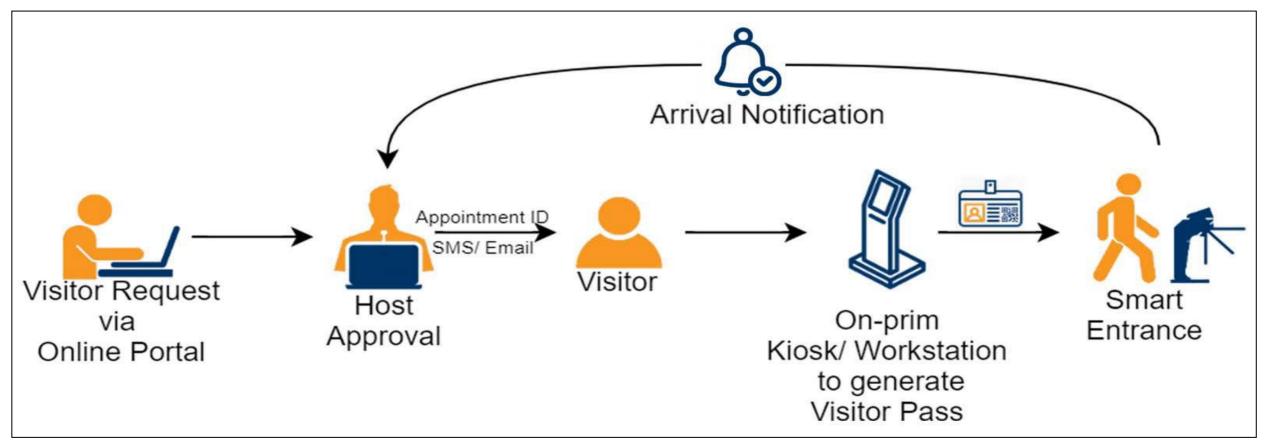
#### **VISITOR MANAGEMENT**

- Visitor Policy Management(Define Visitor Policies and Procedures)
- Design Your Pass
- Visitor Pre-registration
- Validate Visitor (Visitor Approval)
- Visitor Notification
- Integrated Access Control
- Track Visitors
- Elevator Connect
- Asset Pass
- Self Service (Kiosk Mode)
- Contractor Pass & Management



#### **VISITOR MANAGEMENT**





#### **VEHICLE MANAGEMENT SYSTEM**

## Vehicle Access Management

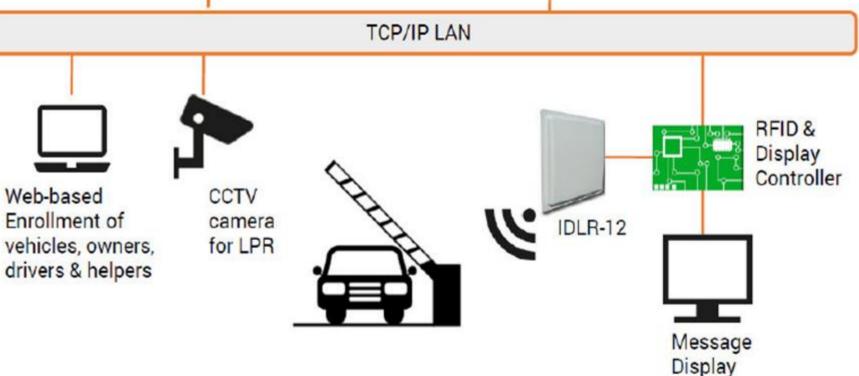
- 1. Vehicle Access
- 2. Occupancy Control
- 3. LPR/ANPR
- 4. Parking Space Availability Display
- 4. RFID Long Range Readers
- 5. Tamper Proof Tags
- 6. Industrial RFID Credentials
- VBOX (Standalone Controller)







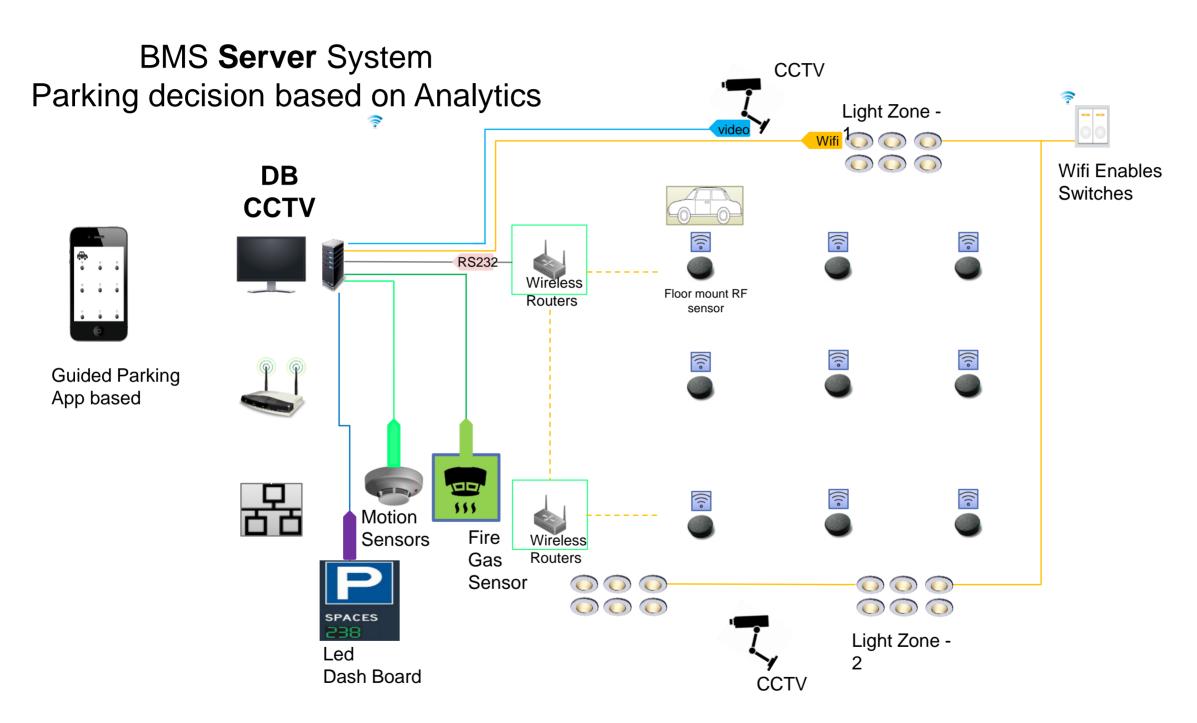
LPR Server







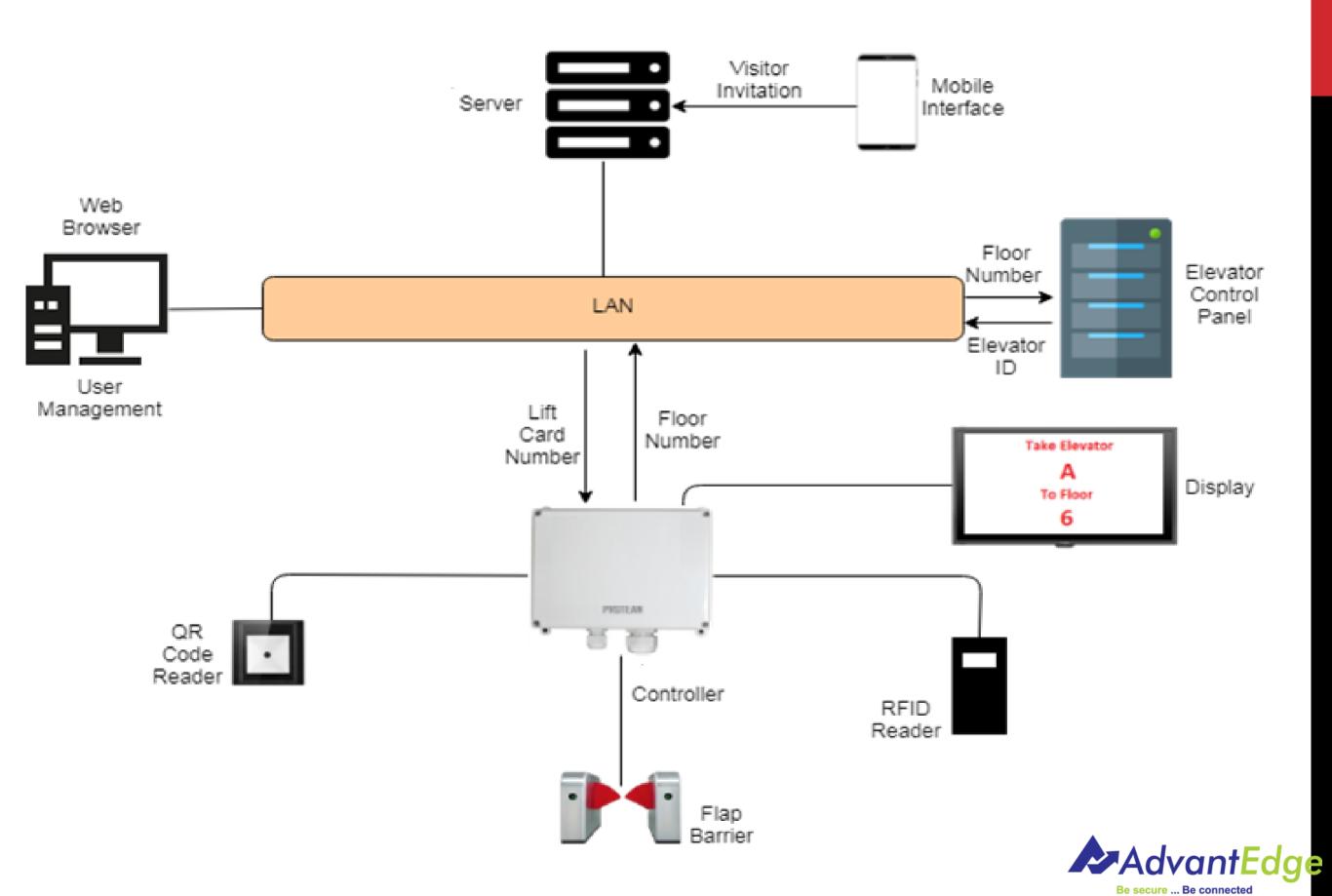
#### PARKING AUTOMATION SYSTEM



- 2.4GHz 60/100m transmit range
- Mesh networks
- Connect up to 500 sensors
- -40~85°C work temperature



#### **ELEVATOR ACCESS SYSTEM**



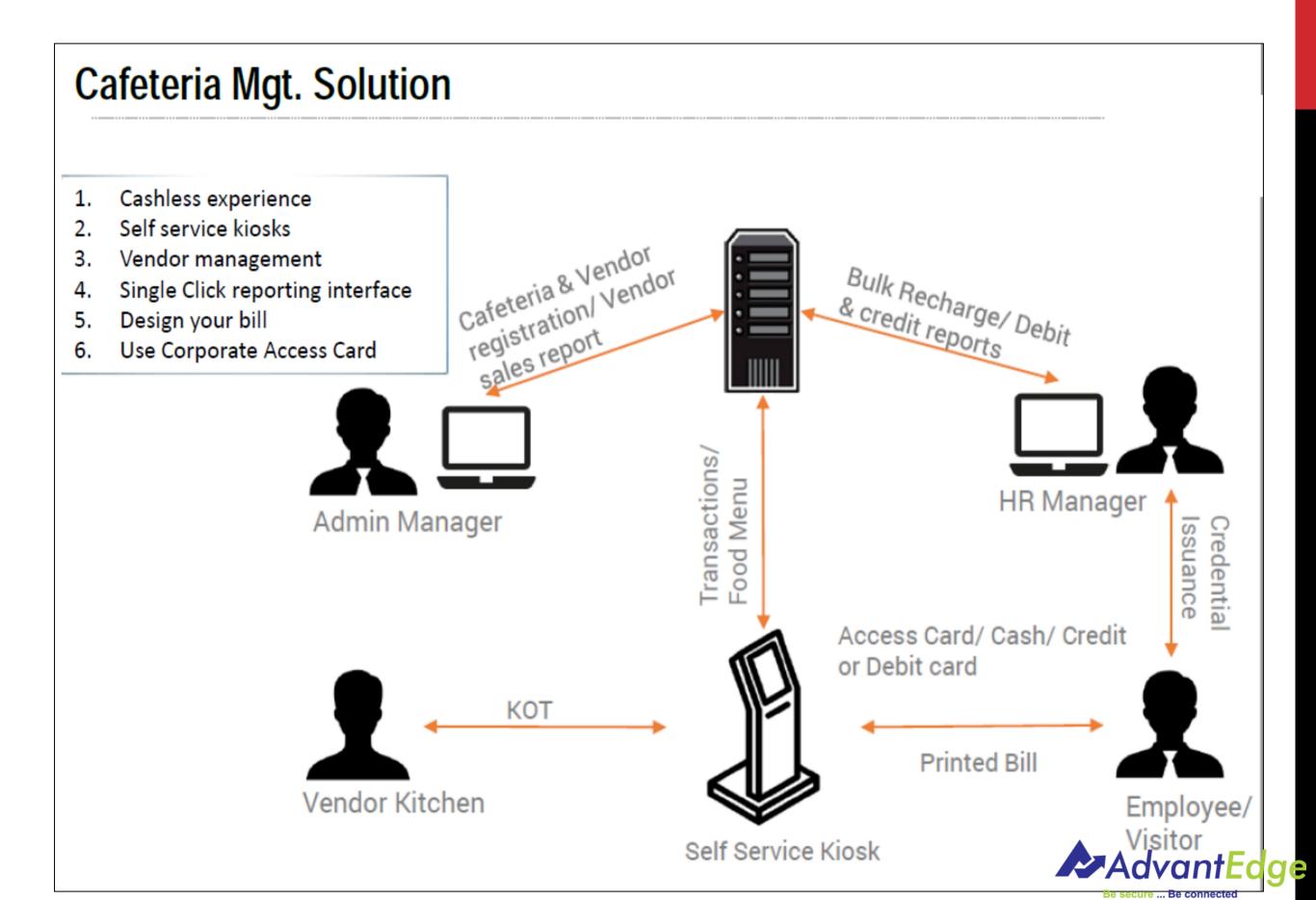
#### **FOOD COURT & CAFETERIA MANAGEMENT**

- Multiple food-shops & vendor Management
- Touch Screen POS Terminals
- Design your bill
- Centralized Recharge/Refund Stations
- Flexible payment options for corporate Buyers
- Comprehensive Single Click reporting interface
- Web-based Employee expense reports for corporate buyers





#### **FOOD COURT & CAFETERIA MANAGEMENT**



#### **VIDEO ANALYTICS**

Equipped to operate in wide range of surveillance situations involving people, vehicles & other objects.

Set multiple overlapping detection zones and lines

Rapid 'learning time' of just two seconds Supports following Analytics:

- Tamper detect
- Surveillance tracker
- Presence filter,
- Enter/Exit
- Appear/Disappear
- Stopped filters
- Class and speed filters + calibration
- Direction & dwell filters
- Tail-gating filter
- Abandoned object filter
- On-screen counters
- Object Meta data
- Counting Line

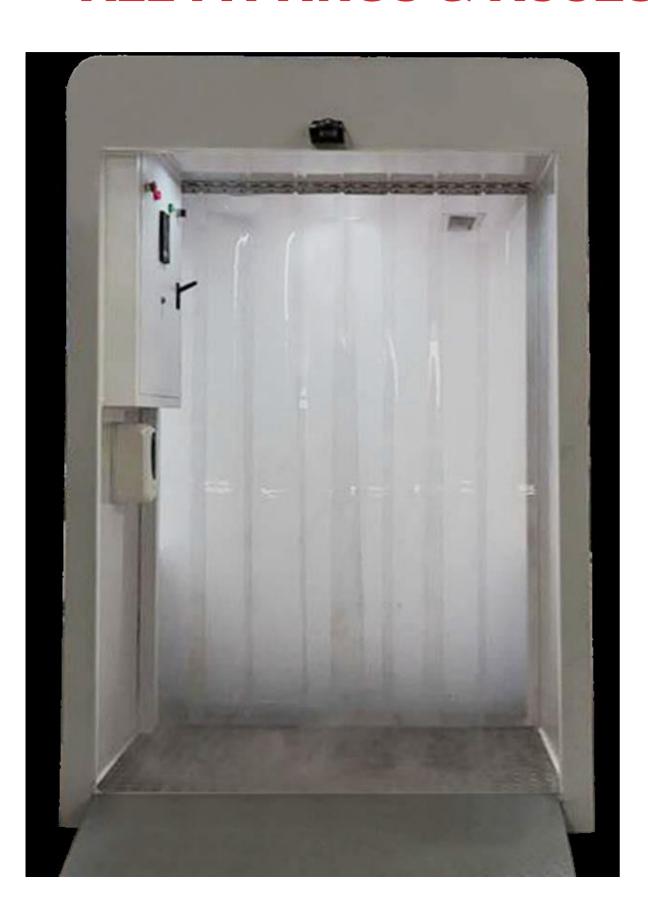




# AUTOMATED SANITIZATION BOOTHS



## FULLY AUTOMATED MECHANISM COMPLETE WITH ALL FITTINGS & ACCESSORIES & COMPONENTS





# THERMAL SCREENING & FACE MASK DETECTION SYSTEM SOLUTION



#### SELF CHECK KIOSK

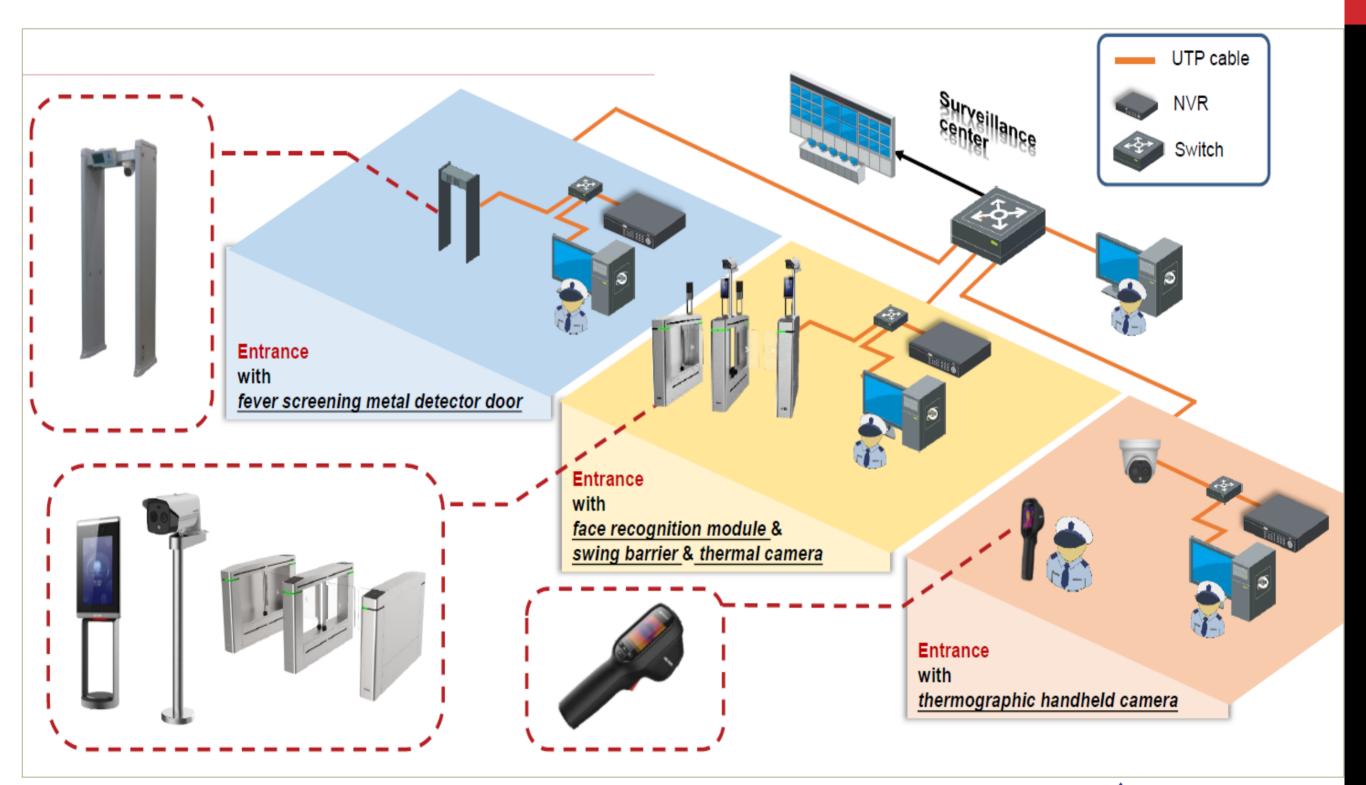
#### **PURPOSE**

Early recognition and management of COVID-19

- **4 Quick Precautions**
- Detects Fever
  High Fever indicates syndromes associated with COVID-19
- Oxygen level below 90% indicates syndromes associated with COVID-19
- Touch-less Hand Sanitizer
  Decreases the risk of getting sick and spread of Virus
- Disinfection Chamber for Bag, Mobile, Keys etc. by UV-C UV-C kills 99% Virus in 10 seconds thus reducing the spread
- The Solution displays and records all data at a single location

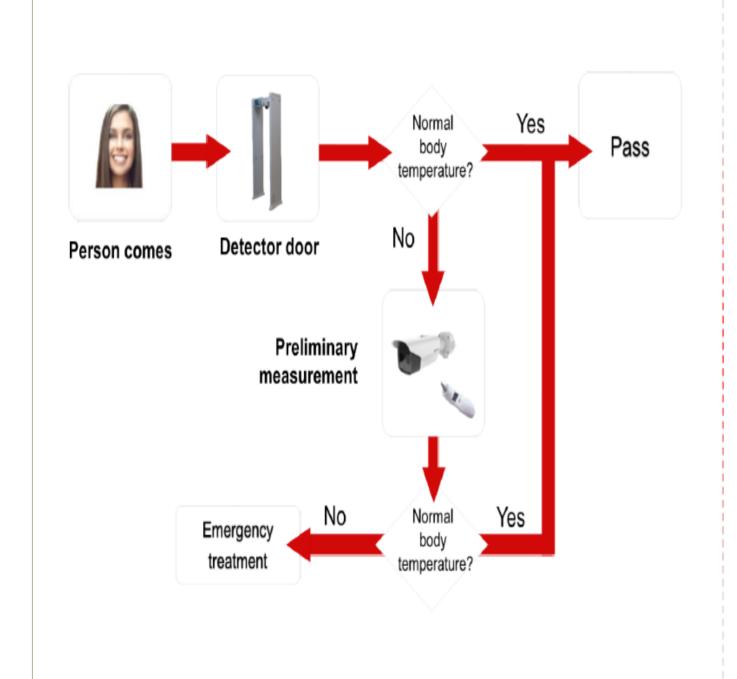


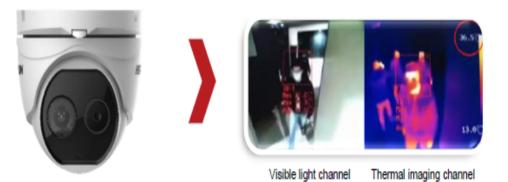
## MULTIPLE SOLUTIONS





#### Working flow & results display



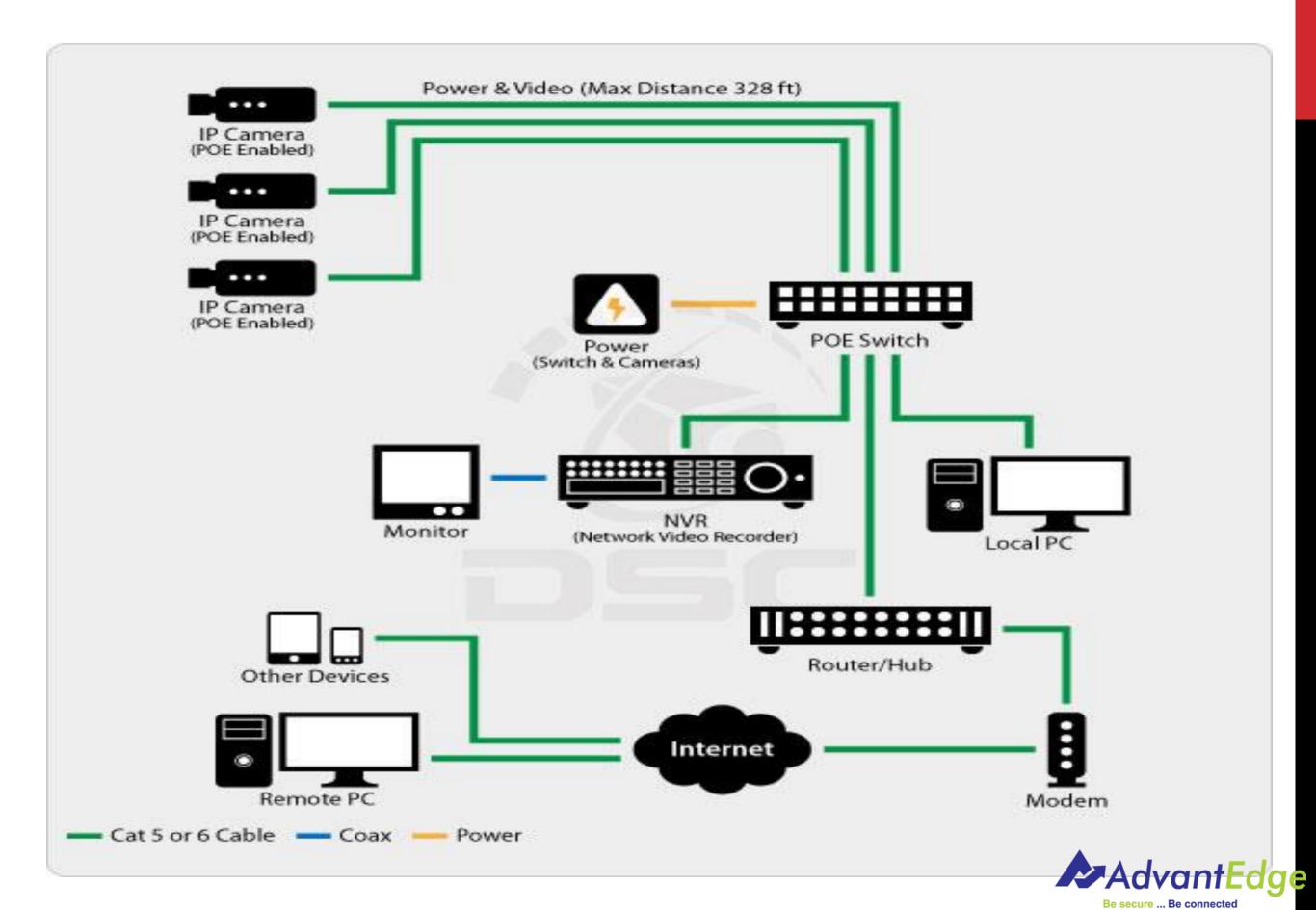


(\*Above display images are only for reference)





### IP CCTV SOLUTION

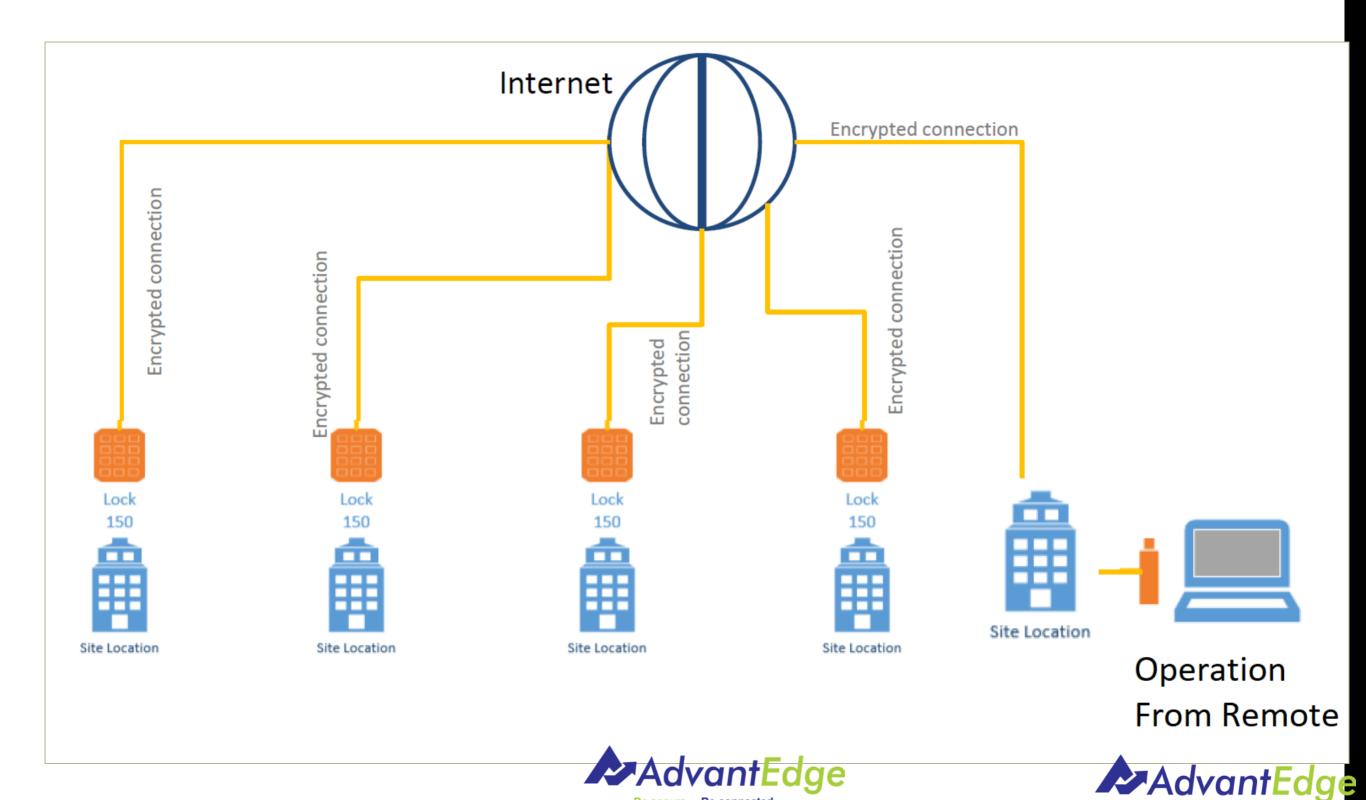


## COMMAND CENTER



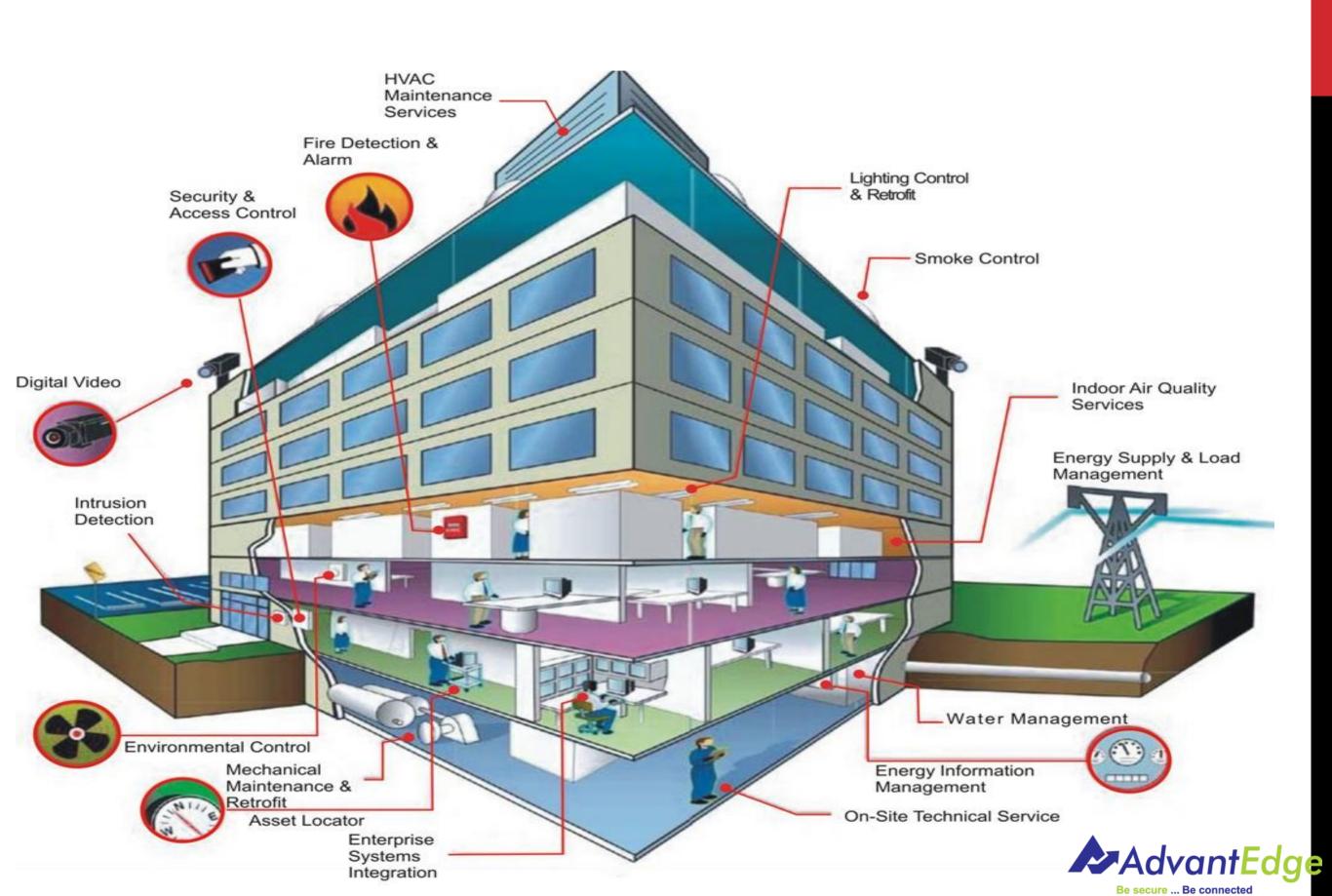


# BMS SOFTWARE AT EACH LOCATION FOR REMOTE MONITORING & CONTROL WITH DATA ENCRYPTION

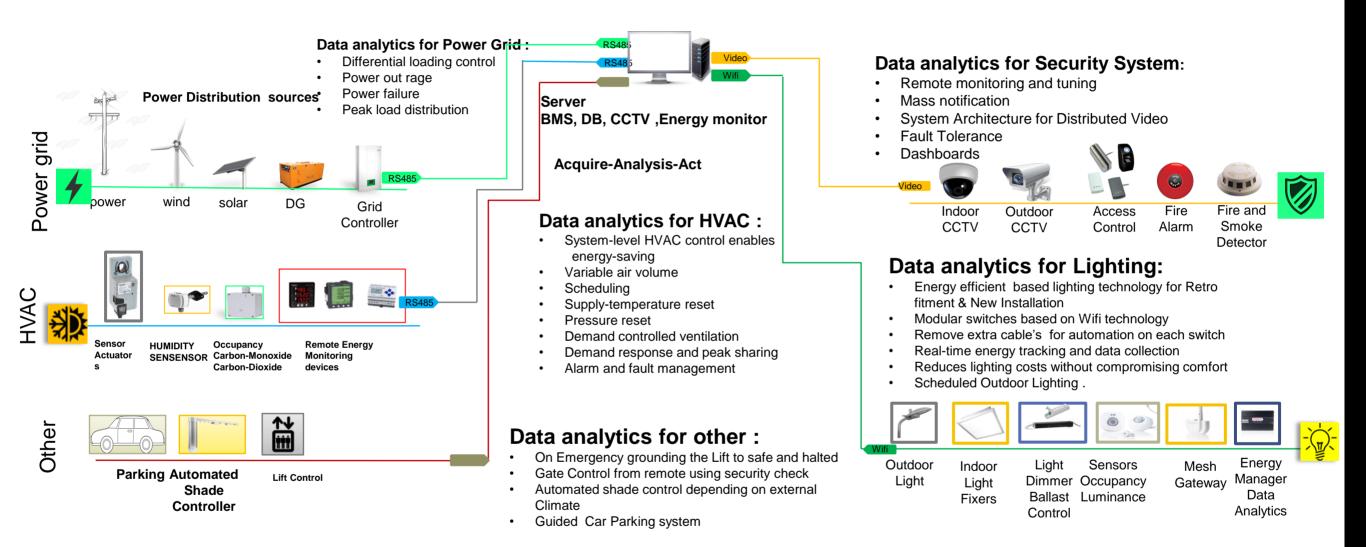


Be secure ... Be connected

#### **TYPICAL BMS ARCHITECTURE**



# SMART CAMPUS SOLUTION





#### **SYSTEM UNDER BMS:**

- Electrical Systems
- Energy Meters
- Elevator Management System
- Fire Alarm Panel
- Fire Hydrant & Sprinkler System
- Fire Curtains & Barriers
- Gas Suppression System for IT rooms, UPS & Battery rooms
- Handheld Fire extinguishers
- HVAC
- Indoor Air quality monitoring
- Lighting Control
- Smoke Control and Ventilation
- Water Management
- UPS



## **Building Management System**

Water Management Utilities

Safety System

Management

Elevator

**HVAC** Management Electrical System



Security System

#### HVAC MANAGEMENT

VRV

PAC

Fans

Temp, RH,CO2 and

Pressure sensor

Chillers

Cooling Towers

AHU

Cassette unit

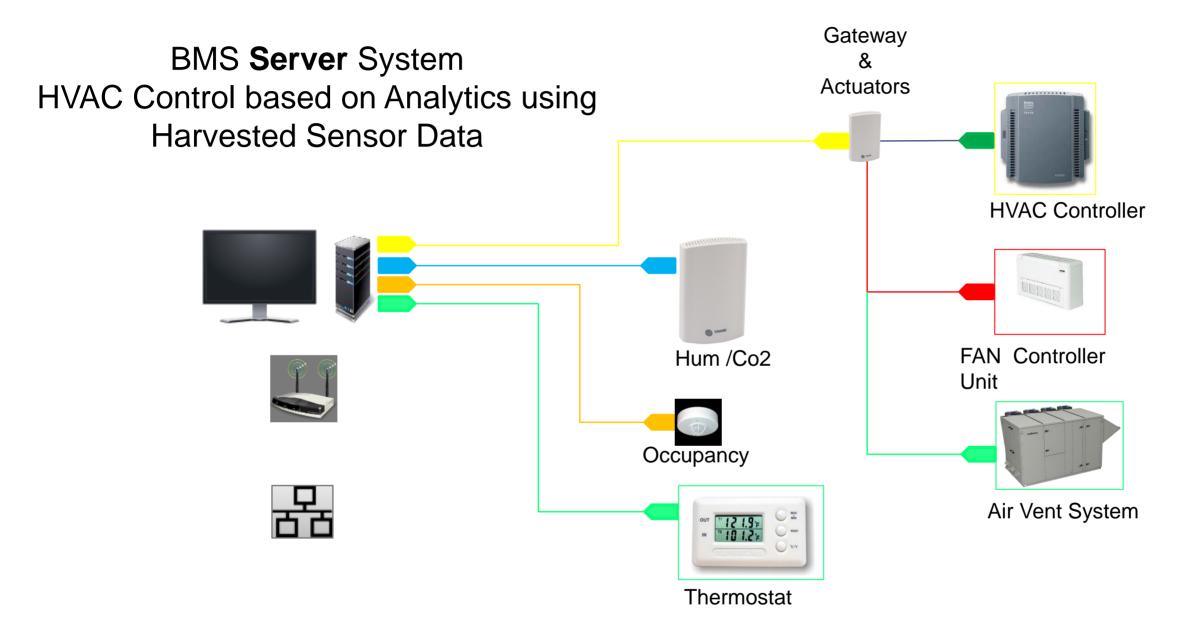
**VFD** 

VAV

BTU meter

AdvantEdge

#### **HVAC**



#### Energy saving over HVAC energy efficient

- 15% Cost savings in new construction
- 30% Cost savings in retrofits
- 40% energy savings
- Unlimited Flexibility



#### INDOOR AIR QUALITY CONTROL

There are three basic strategies to improve indoor air quality:

Source Control

Usually the most effective way to improve indoor air quality is to eliminate individual sources of pollution or to reduce their emissions.

Improved Ventilation

Another approach to lowering the concentrations of indoor air pollutants in is to increase the amount of outdoor air coming indoors.

Air cleaners

The effectiveness of an air cleaner depends on how well it collects pollutants from indoor air (expressed as a percentage efficiency rate) and how much air it draws through the cleaning or filtering element (expressed in cubic feet per minute).



#### **ELECTRICAL SYSTEMS + UTILITY**

Diesel Generator

Billing and Metering

**UPS Monitoring** 

Transformer

LT panels

Air Compressor

Lighting System



#### WATER MANAGEMENT PUMPS

ETP Pumps

STP Pumps

Waste water treatment pump

Hydro pneumatic

pumps



## Fire Alarm Panels Monitoring

Capture data from Conventional or Analogue Addressable Panels

- Zone or smoke detectors status
- Input/output device status
- Battery health



Conventional Panel



Addressable Panel





## Water Sprinkler System Monitoring

- Stop Valve, Alarm Valve, Alarm Test Valve
- Pressure Switch
- Pressure Gauge
- 4. Flow Switches
- Jockey pump
- Main pump
- Water Level
- Alarm Test Valve Control for automatic periodic testing of the system



### Fire Extinguisher Monitoring

- Extinguisher pressure reading
- Extinguisher location
- Extinguisher removal
- Extinguisher accessibility/Monitor For Obstruction



Pressure reading



Extinguisher removal sensor





Extinguisher accessibility/



#### Fire Suppression System Monitoring

#### Capture data from Fire Suppression System

- Zone Status Cross Zoning
- Output Status Release Valve, agent activation
- Gas pressure monitoring

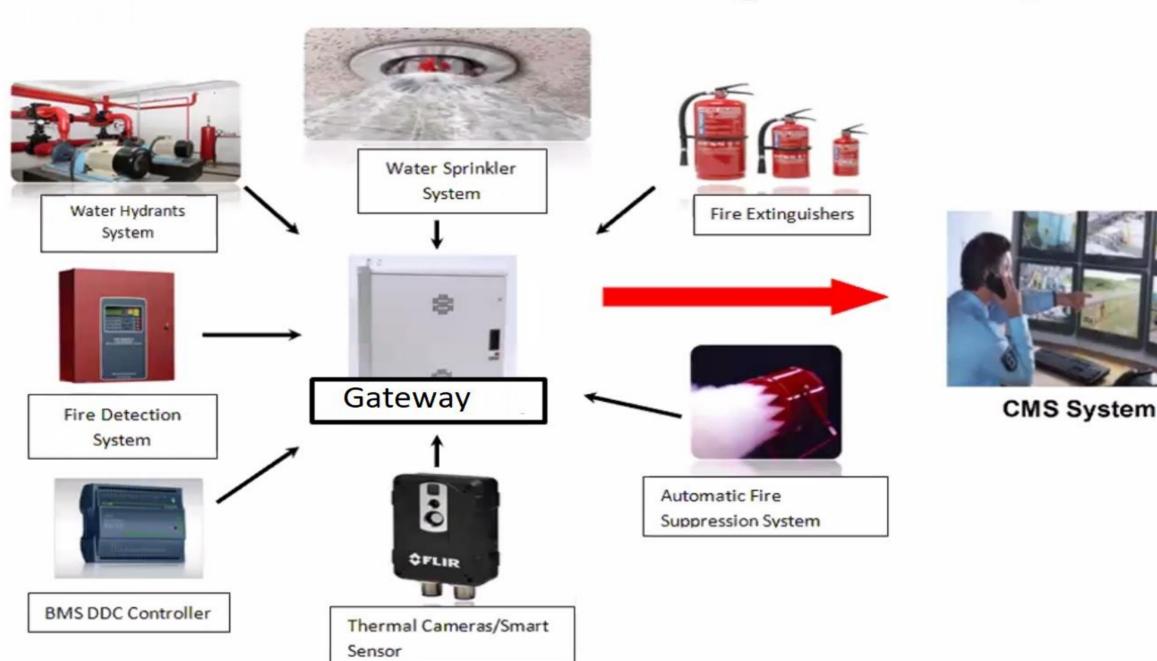


Fire Suppression Panel



#### CENTRAL **MONITORING**

#### **Central Monitoring Station (CMS)**



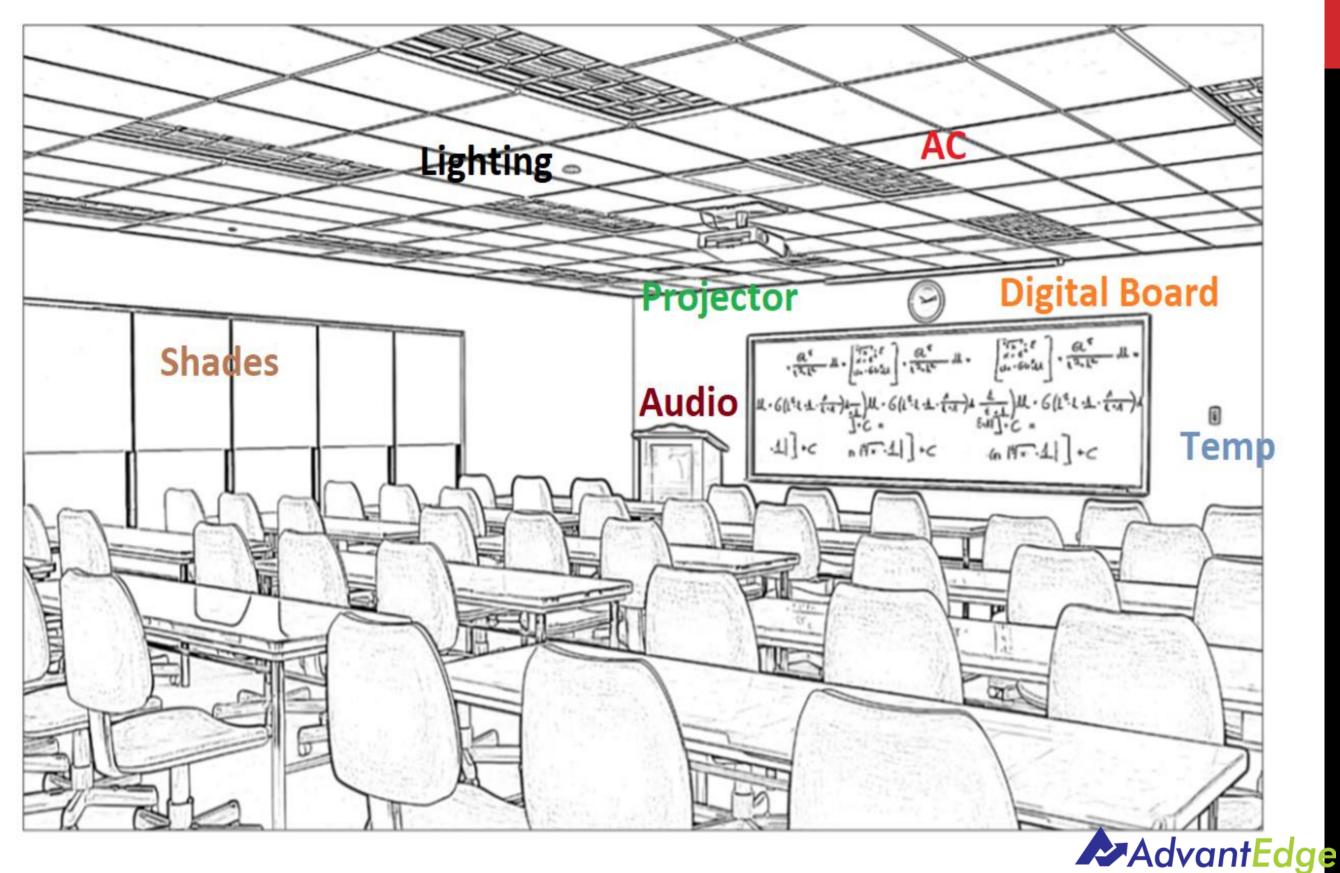




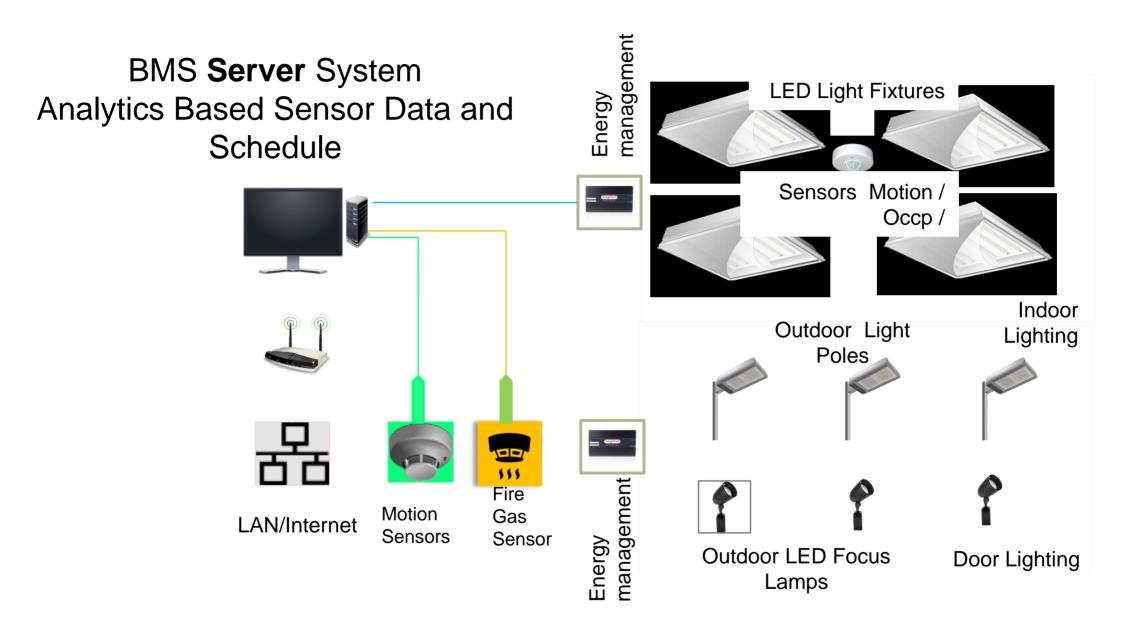
# LIGHT & AV AUTOMATION FOR MEETING ROOMS, CLASS ROOMS AND LIBRARIES



# LIGHTING CONTROL FOR MEETING ROOMS



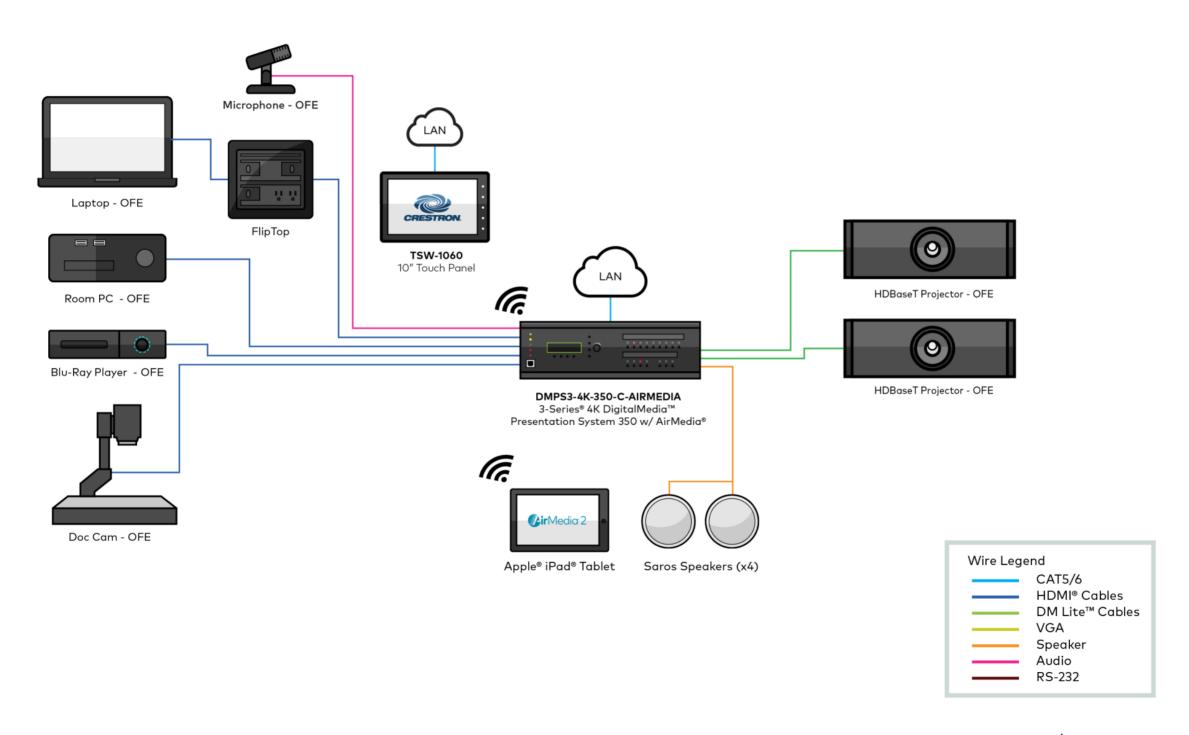
#### LIGHTING CONTROL SYSTEM



Energy saving over traditional lighting energy efficient is from 15% to 25% Using latest Technologies

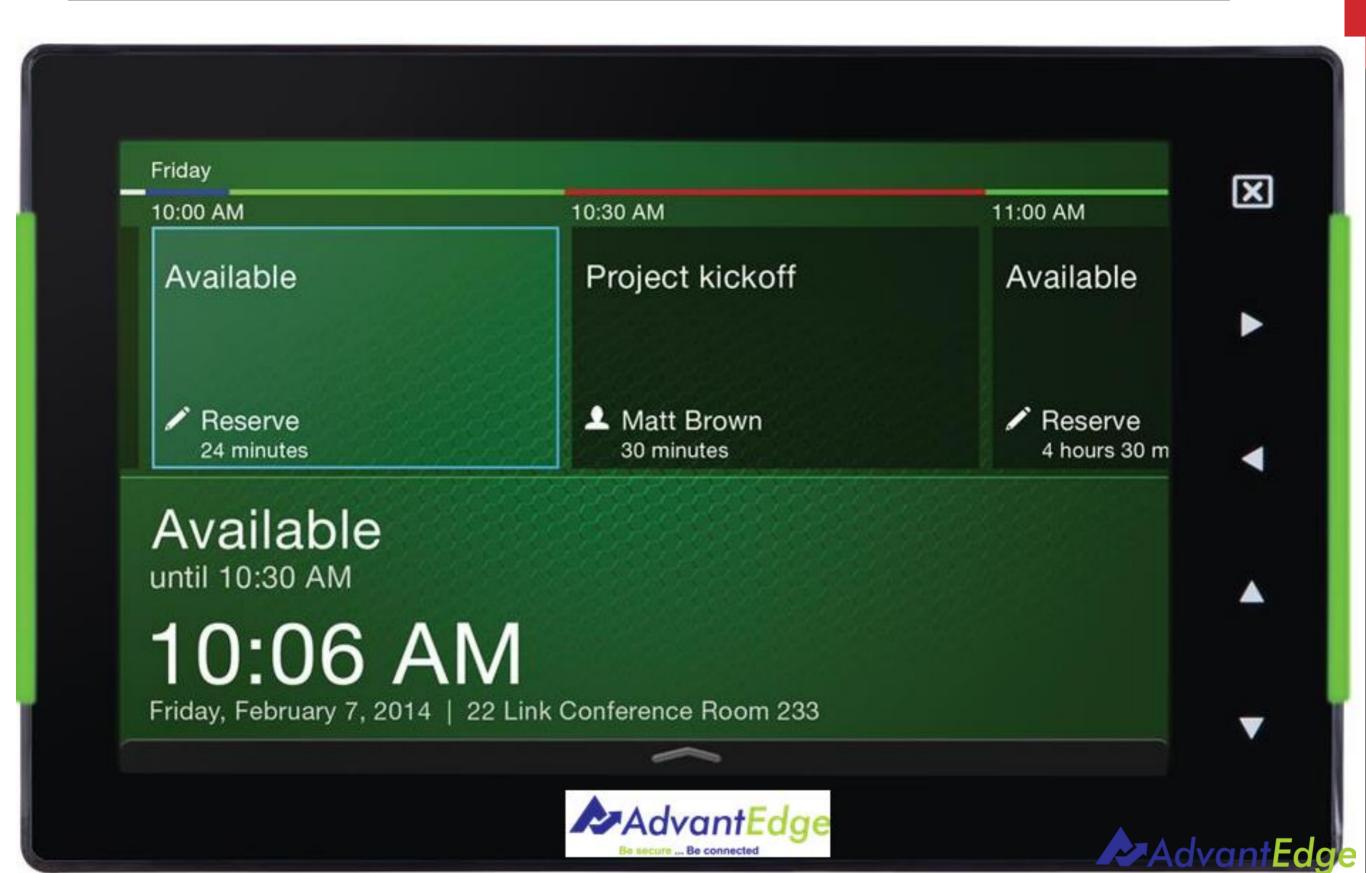


#### A/V CONTROL FOR ROOM





#### **ROOM MANAGEMENT**



#### FEATURE'S COVERED

- Lighting Control
- Class Room Management- Vacant/Available
- Projectors
- BGM
- Broadcasting Announcement
- Emergency Announcements
- Devices Control
- Digital Board Control
- Shades
- Public Address System

# SOME OTHER SOLUTIONS TO CONSIDER

- Infra Inventory Management
- Guard Tour Control
- Sensor Based Water Dispensing System
- Locker Management Solutions
- Solar Power Control System







Call us To Plan for Post Covid Operation.

Resume Work Safely.

#### **Contact Us:::**



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