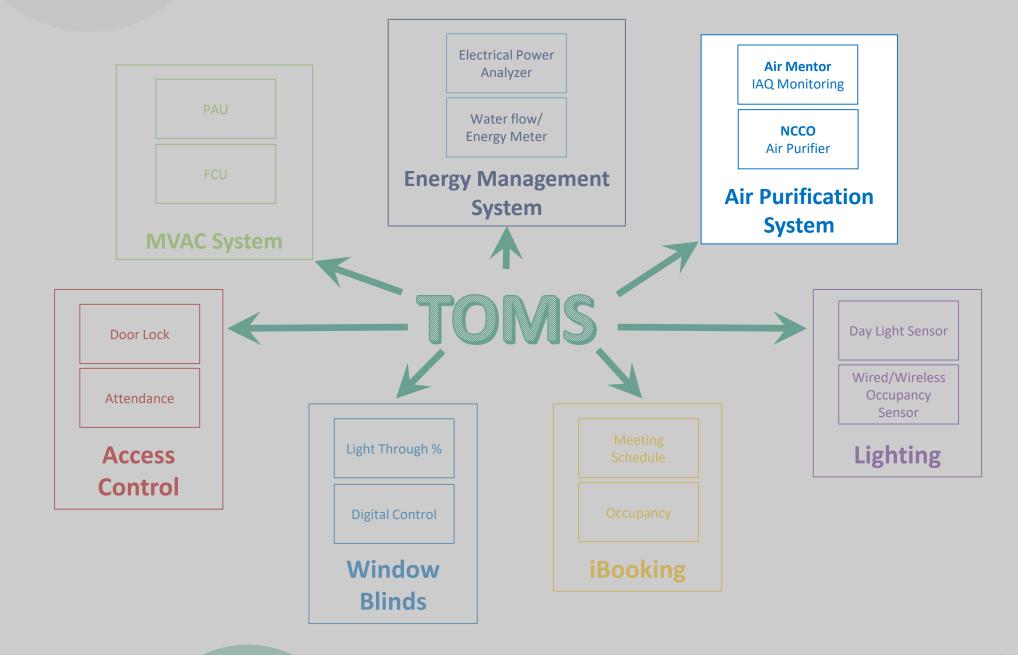
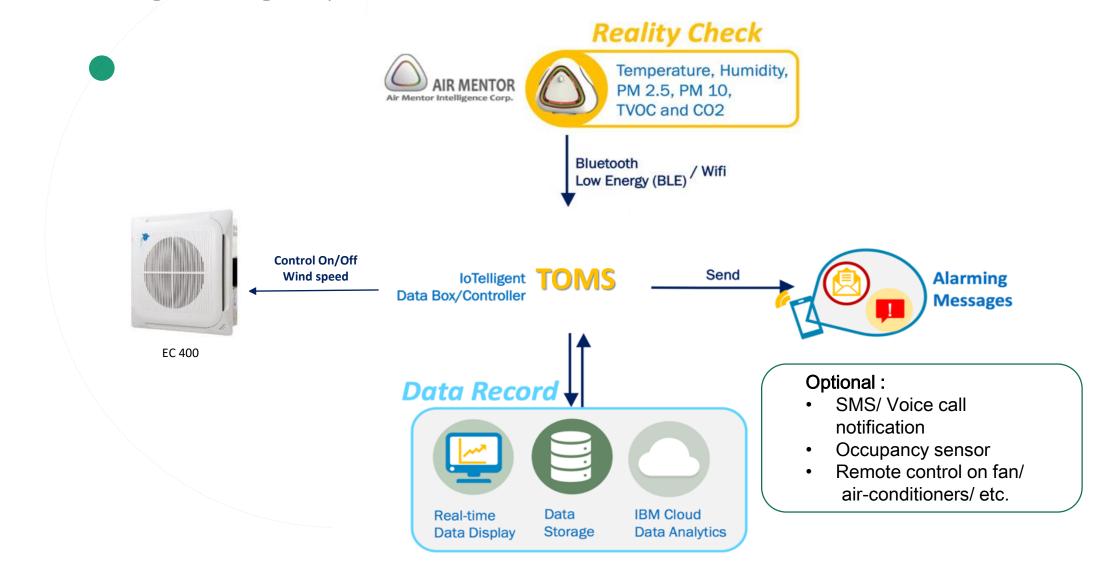
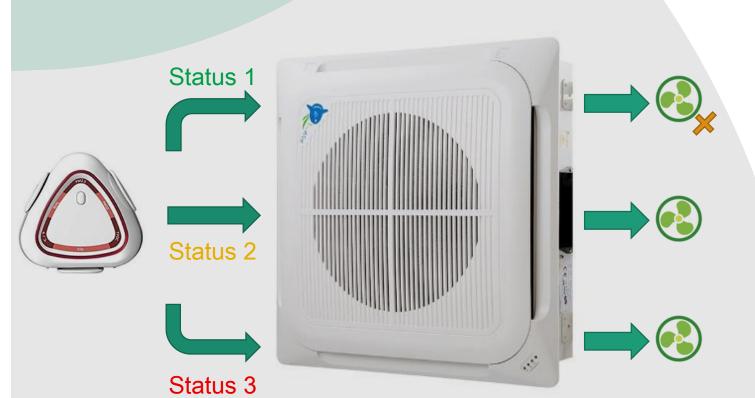
Total Office Management System

FK Engineering



Indoor Air Quality – To Affect The Health, Comfort and Well – being of Building Occupants

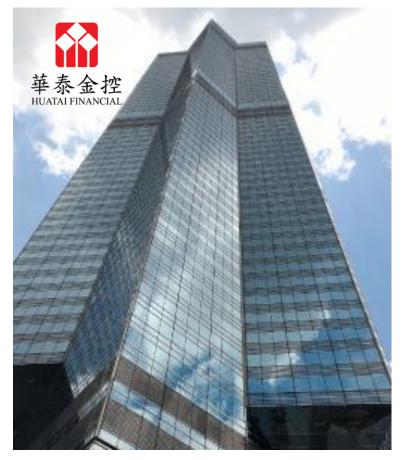




	Status 1	Status 2	Status 3
CO2	Good	Moderate	Unhealthy
	(<800ppm)	(<1000ppm)	(>1000ppm)
PM2.5	Good	Moderate	Unhealthy
	(<20µg/m3)	(<180μg/m3)	(>180µg/m3)
PM10	Good	Moderate	Unhealthy
	(<180µg/m3)	(<230µg/m3)	(>230µg/m3)
TVOC	Good	Moderate	Unhealthy
	(<87ppb)	(<261ppb)	(>261ppb)

Mercedes – Benz and Huatai Financial site photos





Mercedes – Benz and Huatai Financial site photos





Mercedes-Benz



User Interface

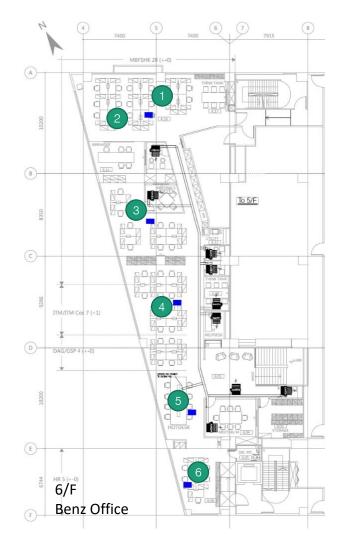




Job Reference - Mercedes Benz Office

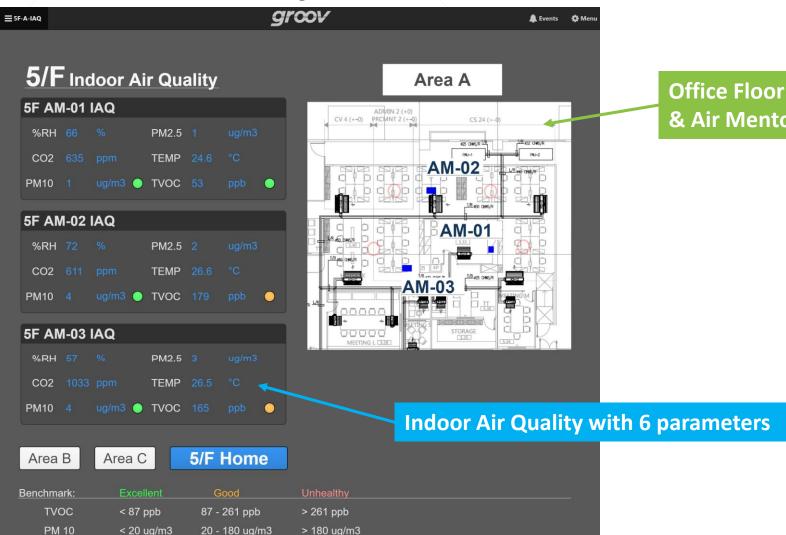
IAQ Monitor – Air Mentor 2 Location (Circled) Quantity: 18



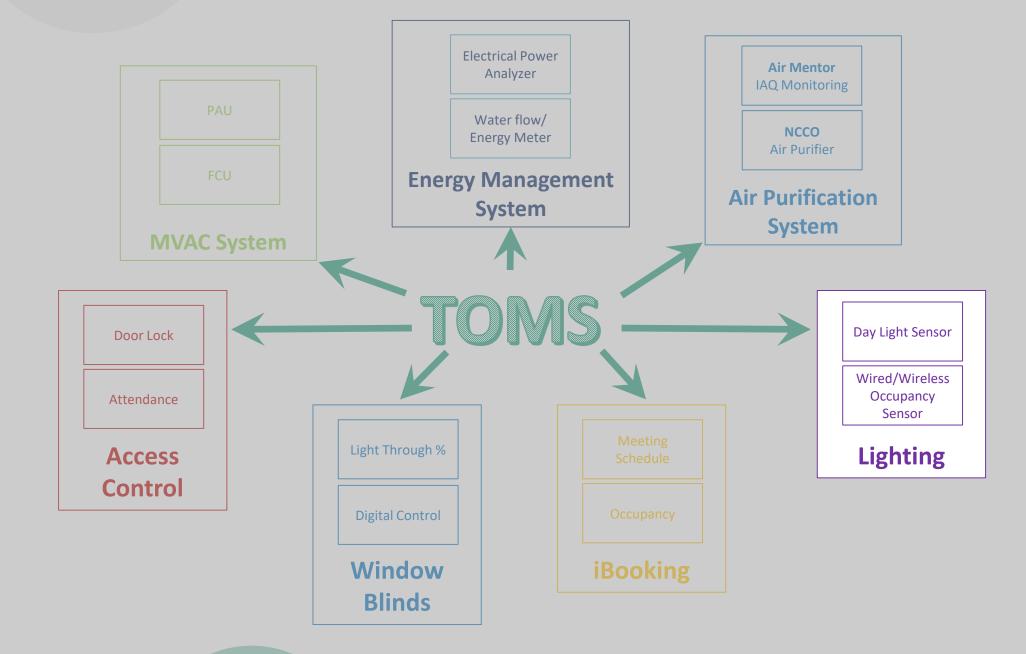


Job Reference - Mercedes Benz Office

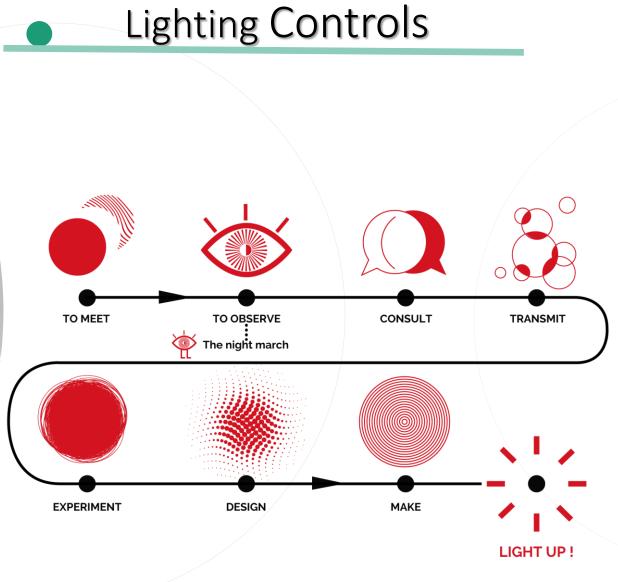
User Interface – IAQ Monitoring with Air Mentor 2



Office Floor Plan & Air Mentor 2 Location







Lighting Controls



Lighting Controls

MAG + Magnetic LED System



Plug & Play

Suits for different ceiling options Suits for different dimming protocol

Indefinite continuity

STARTADJUSTABLE

Meticulous to detail Interchangeable design Best optics control Guarantee maximal eye comfort

Secondary Reflector





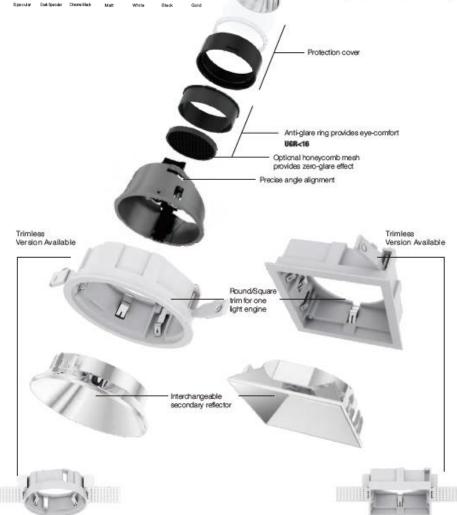








Primary reflector with different beam angles



Lighting Control

Module Start

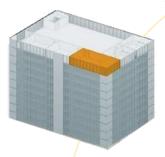


Lighting Controls

Rationale + Scalable Solutions



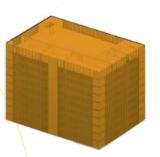
Standalone or Single Space Solutions



Small Area Solutions



Multi-Room or Entire Floor Solutions



Whole Building Solutions

Lutron's design philosophy

Wireless: simple installation or retrofit

Interoperable: easily connects to other systems **Expandable:** easily add to existing installations

Energy Saving: every Lutron product saves energy

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Lighting Controls

Rationale + Scalable Solutions





The Buildings Energy Efficiency Ordinance (BEEO Cap.610)

電力裝置 Electrical installation

- LPD requirement covers new spaces
- LPD requirement of certain spaces tightened
- Lighting control point to all spaces
- Automatic lighting control (new requirement)
- Daylight responsive control (new requirement)

5.6.1 The Basic Provision 5.6.2 Daylight Responsive Control thro' Fenestrations on Exterior Wall 5.6.3 Daylight Responsive Control thro' Overhead Skylight

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Lighting Controls

Lutron lighting control system



International seeTouch Keypad



GRAFIK Eye QS Time Clock























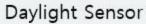




Daylight Sensor

Wireless Occupancy Sensor Wireless Receiver







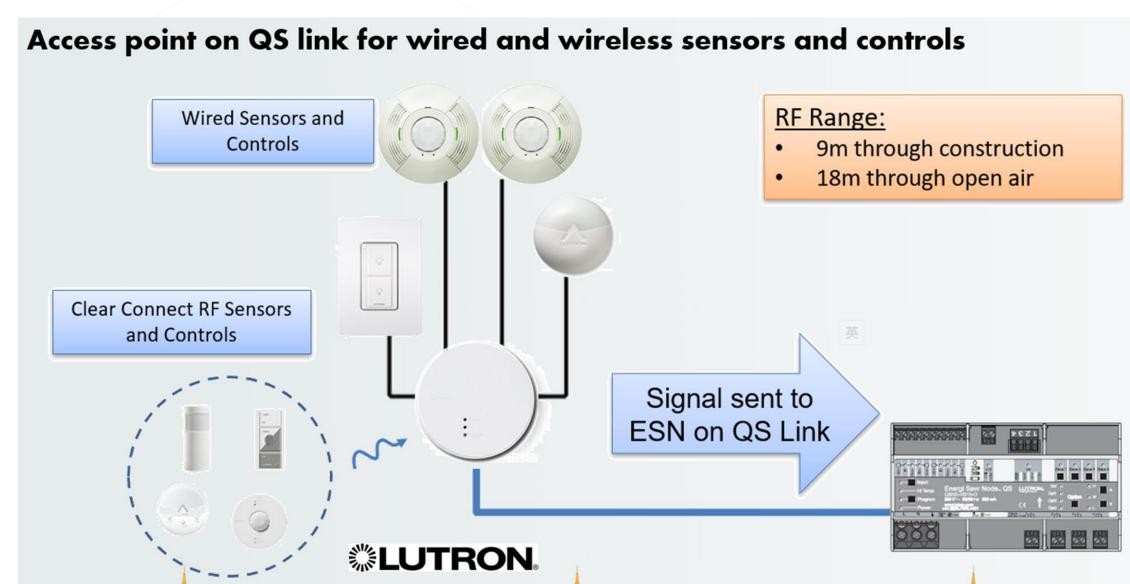
Pico Control



Wired Occupancy Sensor

Lighting Controls

Lutron lighting control system

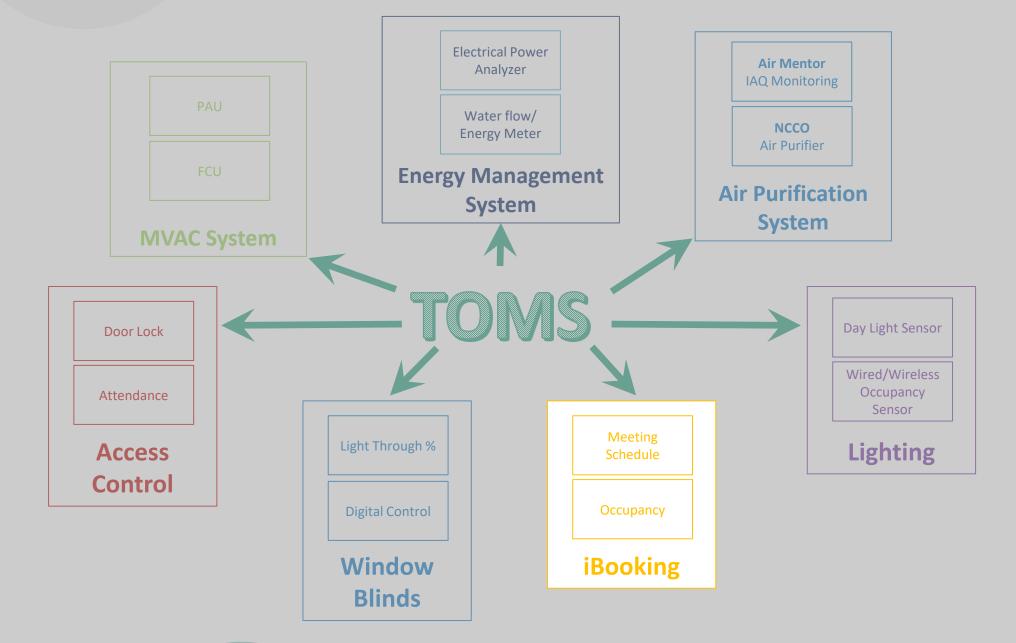


Lighting Controls

User Interface Job Reference - Mercedes Benz Office

User Interface – Lighting ON/OFF Monitoring connected with Lutron Lighting







a user-friendly Web-based Room Booking and Hot Desk Booking System.



User-friendly Booking System

User can book the meeting room and hot desk in just four steps.



Microsoft Outlook Integration

Integrate with Microsoft Outlook calendar and email notification.



Multiple Check-in Ways

User can check-in via QR Code, PIN and RFID Card.



Analysis & Reporting

Provide managers the Detail History, Utilization Report, Absent/ Cancellation Report.



API Ready

API is ready for further develop and integrate with webpage portal.



Add-on Service

Allow to book the meeting room with some add-on services.



E-ink and LCD Display

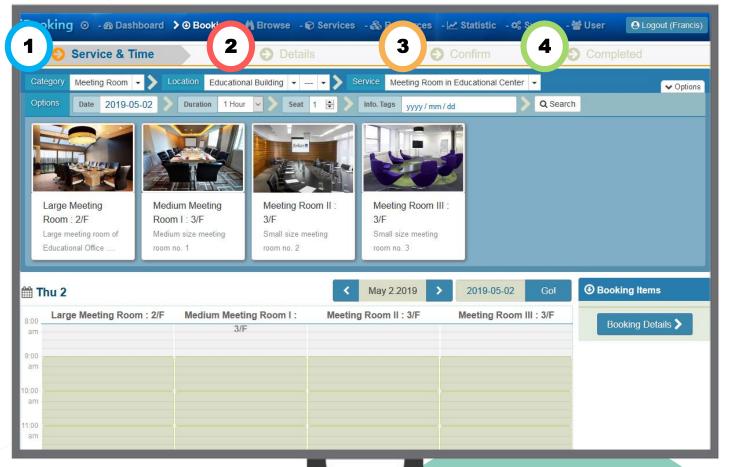
iBooking support types of display, E-ink Displays and LCD Display



User-friendly Booking System

User can book the meeting room and hot desk in just **four steps**.



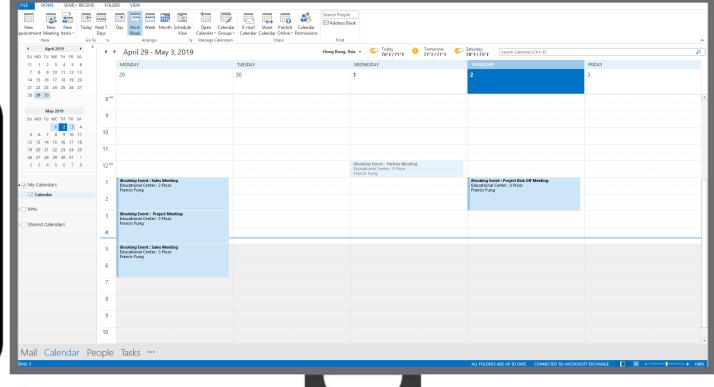




Microsoft Outlook Integration

Integrate with Microsoft
Outlook calendar and email notification.







Multiple Check-in Ways

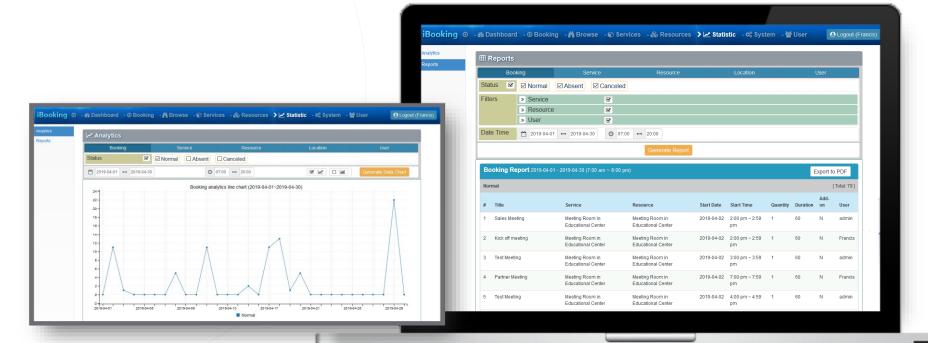
User can check-in via **QR Code**, **PIN and RFID Card**.





Analysis & Reporting

Provide managers the **Detail History**, **Utilization Report**, **Absent/ Cancellation Report**,
assist in better decision
making on space utilization.





API Ready

API is ready for further develop and integrate with webpage portal.



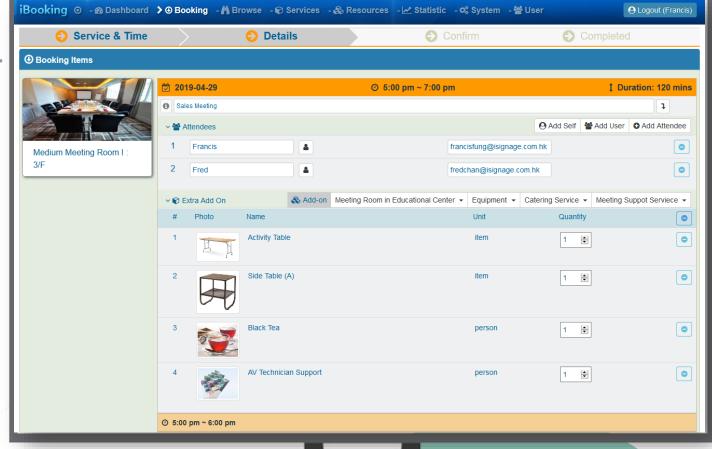






Add-on Service

Allow to book the meeting room with some add-on services, such as Combine Room, Equipment, Catering Service and Meeting Service.





Support E-ink and LCD Display

iBooking supports types of display, **E-ink Displays and LCD Display**. With wireless E-ink Display, it is more power-efficient, affordable, sustainable than traditional LCD Display.









2.9" E-ink Hot Desk Display

Optional integration features



Lighting Control 1

A lighting control system is an intelligent network based lighting control solution that incorporates communication between various system inputs and outputs related to lighting control with the use of one or







Building management systems enable you to monitor, control and optimize your building's performance throughout its lifecycle.



Access Control 2

An access control system is a type of security that manages and controls who or what is allowed entrance.



Facility Management System 4

Facilities Management Software is used to manage facilities as a whole as well as the space within those facilities.

Benefits

01

Increase Productivity

Enable the staff to schedule desks easily, manage bookings with a simple booking system. Allow to book ahead of time that no more time wasted searching for a workspace and meeting room.

02

Maximize Usage

Maximize meeting room and hot desk usage by enabling measure and thus optimize the space utilization, ensuring that using desks and facilities in the most efficient way.

03

Lower Cost

Significantly lower operating and administrative costs. iBooking will remove the need for a dedicated member of staff who organizes schedules or operates phones.



04

Decrease no. of No-Shows

Appointment reminders are also a great way to ensure that the users will turn up.

05

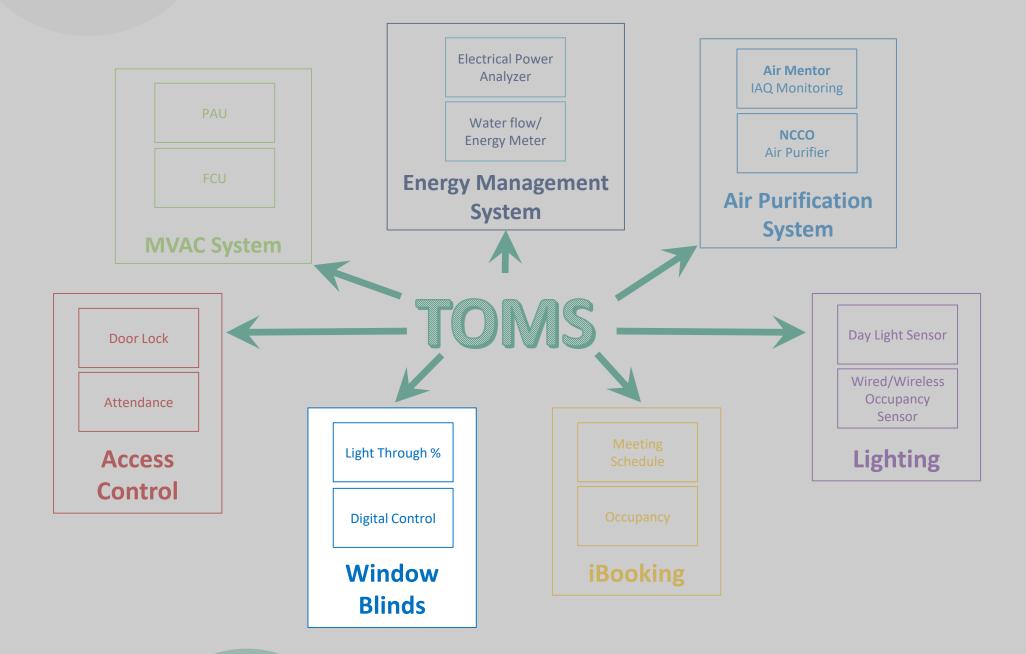
Zero Double Bookings

Allow checking real time resource status, no risk of contention and Zero double bookings.

06

Data Analysis

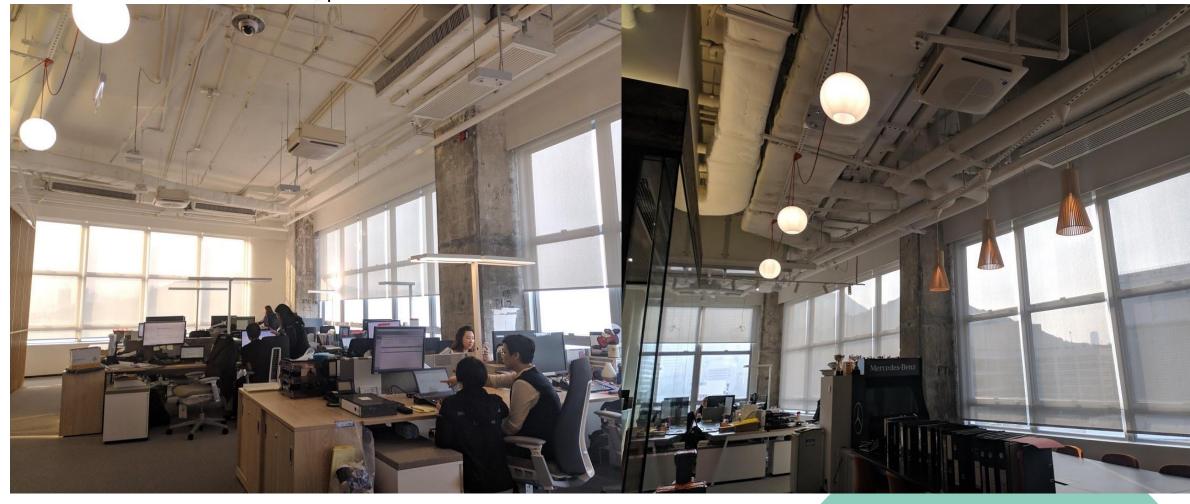
Provide facilities managers the real data of desk booking usage by comprehensive reporting, assist in better decision making on desk space utilization.



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Window Blinds

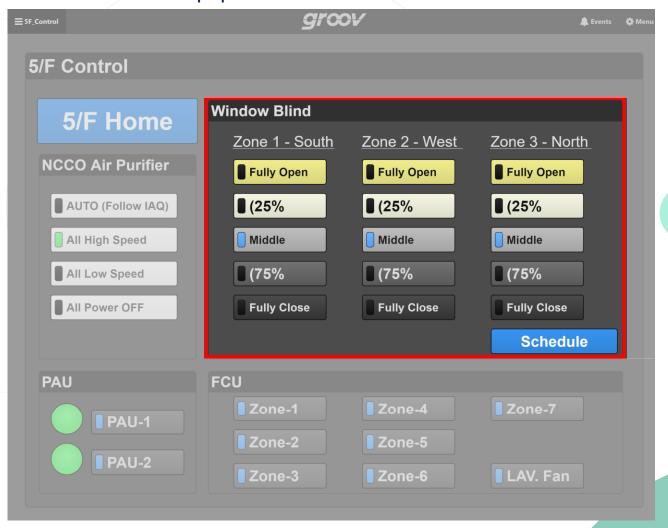
- Intelligent Tilt Alignment maintains uniform tilt and lift positions across multiple shades
- Programmed presets according to date and time: roll up and down automatically
- With data from local weather reports



Window Blinds

Job Reference - Mercedes Benz Office

User Interface – Equipment Control

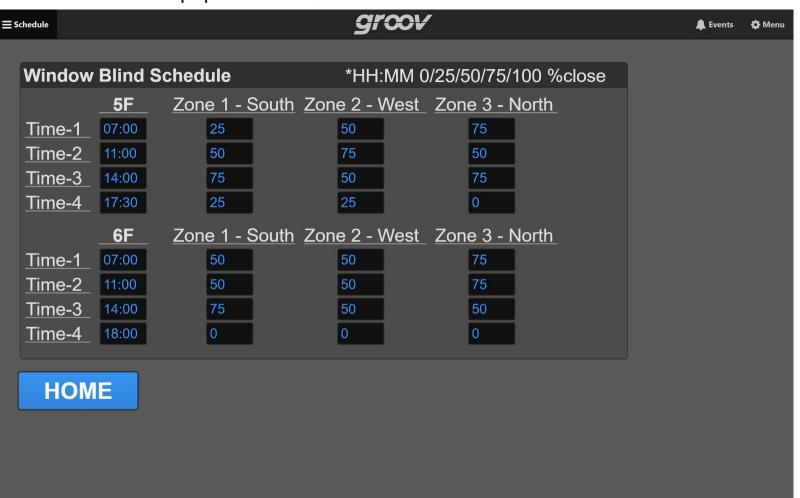


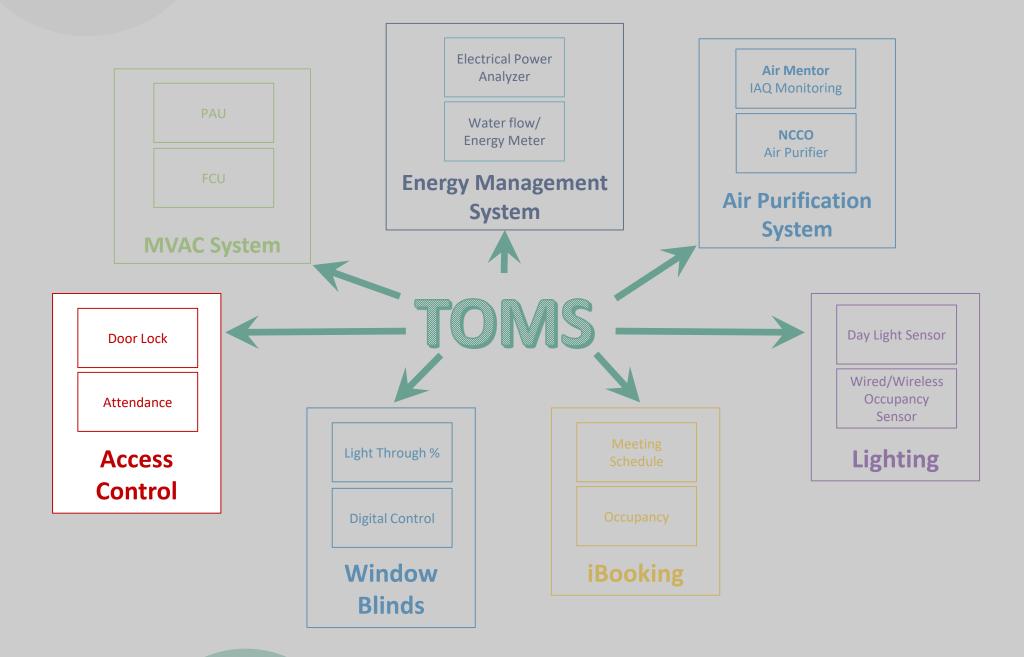
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Window Blinds

Job Reference - Mercedes Benz Office

User Interface – Equipment Control



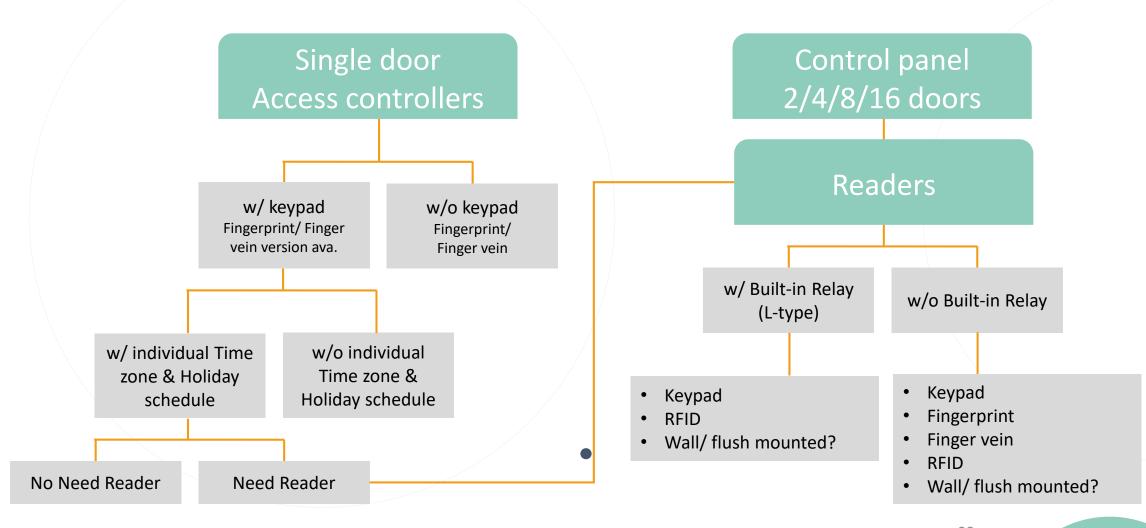


Hardware

- Access Controllers
- Biometric products
- Controllers
- Readers
- Electric Locks
- TCP/IP converter, Cards, Key Tag, Exit Switch...etc
- Software



Selection of the right mix





Featured model



PXR-10/ PXR-10K



PXR-12/ PXR-12K



PXR-13/ PXR-13K



PXR-Q1 (QR code)



PXR-A1/ PXR-A1K



PXR-93/ PXR-93K



PXR-97MSKL



PXR-92M-BE (BLE)

IP65

What do you know about Biometrics?



Agencies' use of biometrics for identity management has centered on fingerprints and iris scans, but the options do not stop there

FACE

Facial features or patterns are analyzed using eigenfaces or local feature analysis. Research has also shown that vein-pattern recognition can be used to identify an individual.

VOICE -

The tone, pitch and cadence of an individual's voice can be matched to previously authenticated recordings.

RAPID DNA TESTING

DNA, the ultimate identifier, used to take months to analyze and profile. Now there are machines that can do the work in less than 90 minutes.

HANDS/FINGERS

Fingerprints are the time-honored biometric marker. Finger geometry, hand geometry and vein recognition in a finger or palm are also options.

The way one walks can be observed and measured to determine identity.



Analyzing ear shape might be as effective as facial recognition - and the shape remains consistent as individuals age.

EYES

Iris recognition is the most common method, but retinal capillary patterns are also unique. And researchers see potential in periocular recognition.

ODOR

An individual's body chemistry provides an olfactory signal that can be identified by biosensors.

SIGNATURE RECOGNITION

Dynamic authentication, which tracks the speed and motions of the handwriting process, is rapidly replacing the comparison of static signatures.

TYPING RECOGNITION

The force, speed and rhythm with which an individual taps the keys produce a personal signature of a different sort.

Sources: Biometrics Institute, FBI and Wired

BIOMETRICS ADVANTAGES

KEY SECURITY BENEFIT VERSUS OTHER TECHNOLOGIES

Something you know

- · PIN, Password
- Forgotten
- Transmitted
- Guessed
- Hacked

Something you have

- Badge, RFID Card, Key
- · Lost, Forgotten
- Damaged
- Copied
- · Forged, Stolen



Someone you know

- · Reception, Security Officer
- Distracted
- Mistaken
- Permissive
- Coerced

Something you are

- Physical Biomarker
- Behavioural Biomarker

Only biometrics can witness presence beyond reasonable doubt. Biometrics knows WHO was WHEN and WHERE in your







- 100% Made in Switzerland
- reddot design award



- The most accurate and comprehensive product range
- Heavy duty compatible (water/oil/dust/dirt/thin latex gloves)
- Anti-spoofing
- Customizable casing, screen logos & buttons

2D EYE

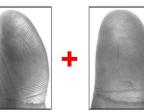
- Features & Benefits
- Hybrid FACE + IRIS
- Contactless & Hygienic
- **Indoor ONLY**
- Scrambled PIN & RFID
- Liveness detection Target segments
- Offices/ shops/ Residential

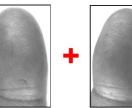


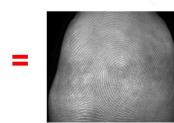
3D Terminal

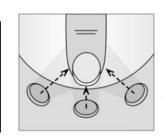
- Features & Benefits
- Contactless & Hygienic
- Anti-spoofing
- PIN & RFID compatible
- 120 degree x 3 cameras
- ZERO failure-to-enroll Target segments
- Data Center/ Airport/ Military/ Hospital







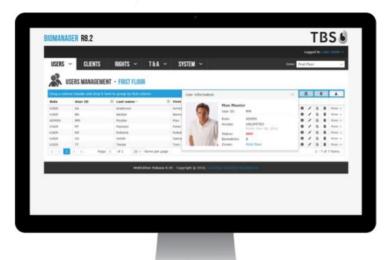


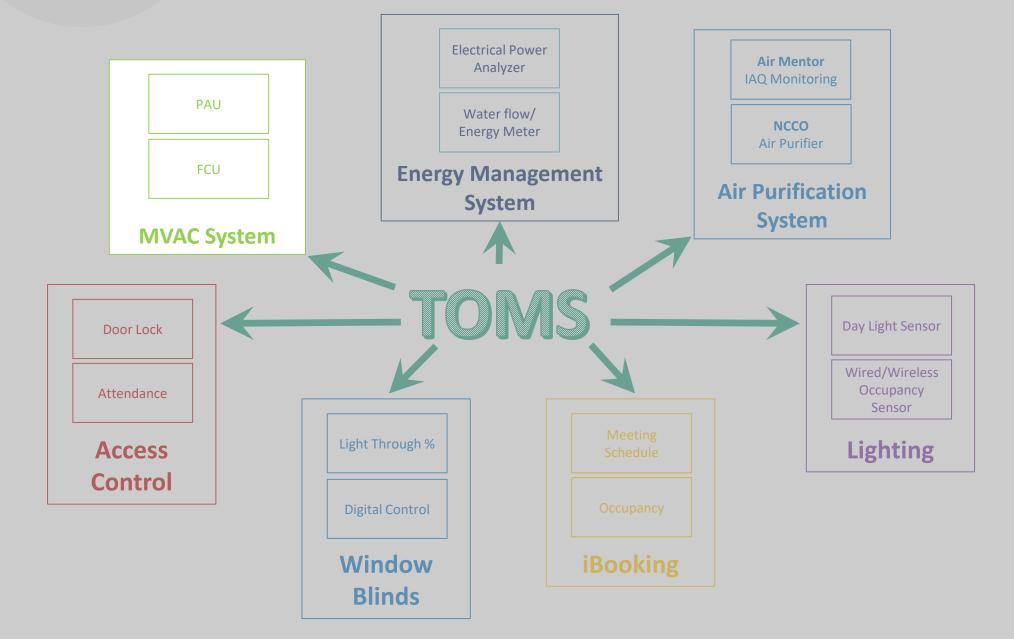


Software BioManager

All devices are managed by the TBS server software, together forming the TBS Biometric subsystem. It can be integrated seamlessly into third party applications.

- Management of devices and network
- Management of users and their rights
- Management of zones
- Synchronization of large volumes of transactions
- Sync even in partly instable networks and/or including offline branches
- Support for special database back ends
- Integration with third-party controllers and various RFID technologies
- Customization of Firmware workflows
- Adaptations for difficult user groups
- Special requirements such as smart mode or remote enrolments
- Recovering of tampered databases

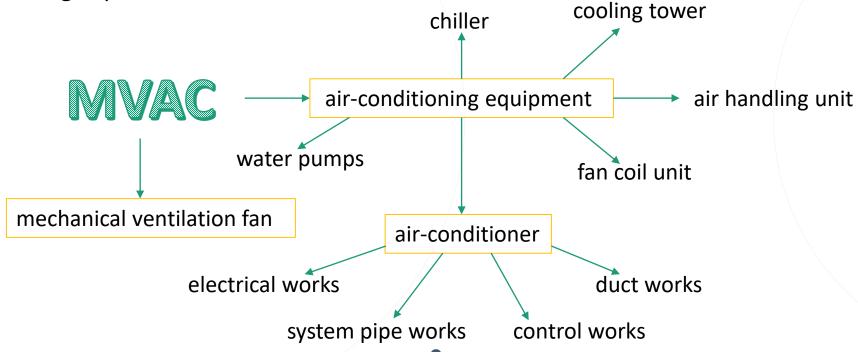




MVAC System

Mechanical Ventilation & Air Conditioning

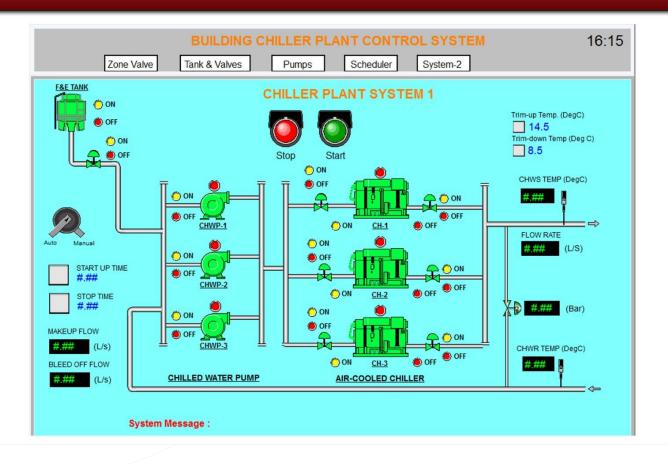
- Provide customers with sufficient inflow and outflow of ar within buildings/spaces by channeling treated air into the building
- Extracting exhaust air out; and controlling and maintaining the temperature and humidity of air within buildings/space

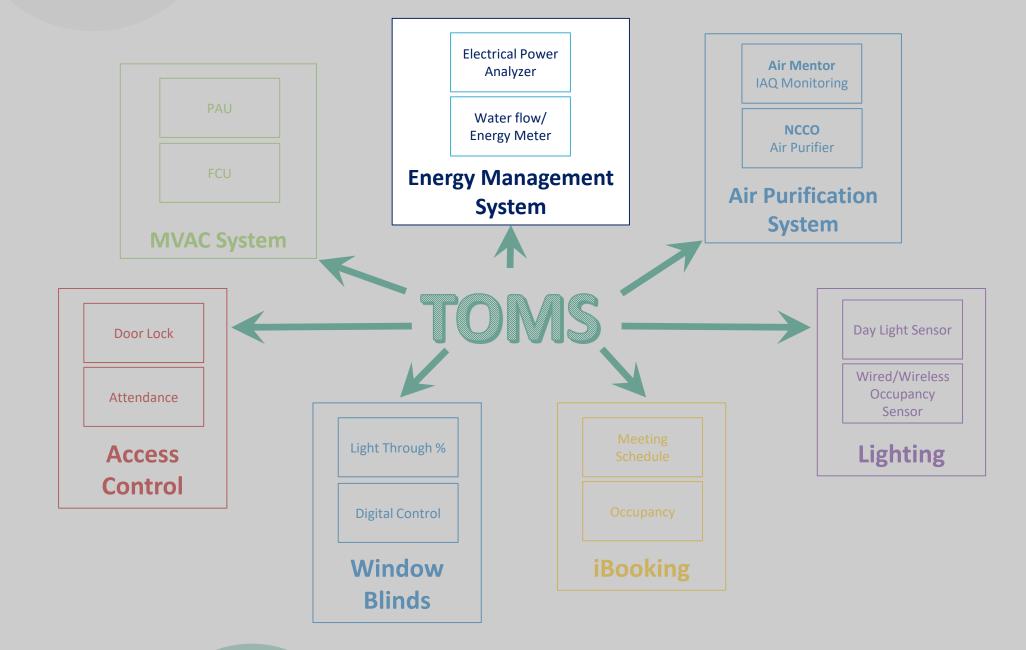


MVAC System

control interface of building chiller plant control system of Po Fook Memorial Hall

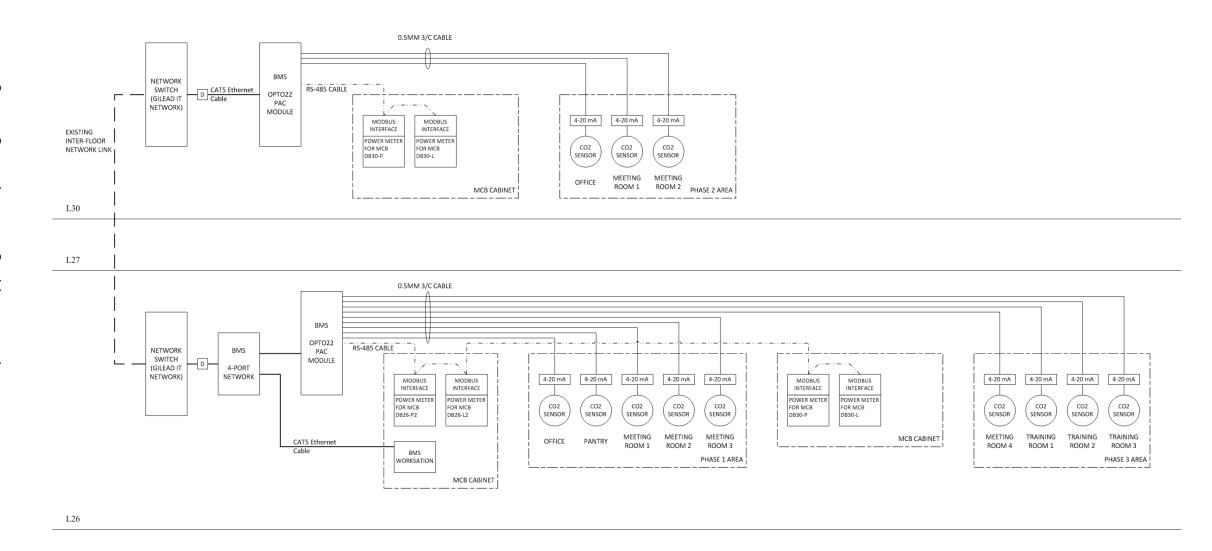
Chiller Plant Control





Energy Management System

System schematic

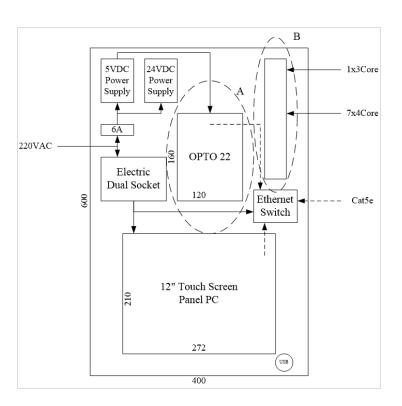


Energy Management System

Gilead Sciences – monitoring energy meter and CO2 sensor







Energy Management System

Workstation interface



