



COMMERCIAL STRUCTURES SELECTED EXAMPLES

- MALL SMART AREAS
- OFFICE BUILDING SMART AREAS
- SMART DEPARTMENT STORE
- WAREHOUSES AND STORAGES BMS
- COMMONALITY





Smart Mall G5 Control Solutions

- Façade Lighting and Show
- Control Signage Boards and
- Scheduling Advertisement Boards
- Dynamic Showroom Lighting
- Elevator Lobby Attracts
- Temperature Control
- BGM
- Special Areas Access
- In Shop Music, Lighting, Showcase, Temp. remote control
- Parking Space Management System
- Blue-Tooth Shop Info and Promos
- Fountains and public attracts
- controls BMS





Smart Office Building G5 Control Solutions

- Façade Lighting and Show
- Control Advertisement Boards
- Office Entry
- Energy Saving
- Controls Temperature
- Control BGM

- Access Control and Office Security
- Meeting and Board Room Systems
- Drapes Control
- Parking Entry Management SMS
- BMS





SMART DEPARTMENT STORE G5 SYSTEMS

- LIGHTING CONTROL
- TEMPERATURE CONTROL
- INFILTRATION ALERTS
- OCCUPANCY DETECTION SYSTEM ACTIVATION
- SIGNAGE BOARDS CONTROL
- PARKING CONTROL
- GENERAL SECURITY
- BMS





WAREHOUSES AND STORAGES G5 SOLUTIONS

- TEMPERATURE CONTROL (COLD STORES)
- HUMIDITY CONTROL (DRY STORES)
- GENERAL SECURITY
- OCCUPANCY BASED LIGHTING CONTROL ALERTS
- CCTV AND SAFETY
- BMS
-





Transportation HUBs

Smart G4 cater fully or partially to transport hubs like: Airports, Sea-Ports, Bus stations, Metro stations, and Train stations.

Smart G4 has designed systems and solutions putting staff and passenger experience as main focus.

Some of the solutions include:

- Flight Information Display System
- (FIDS) Information and Advertisement
- Screens Charging Stations
- Bus ETA Information System and Tracking
- Parking Management System
- Energy and Water Wastage Conservation

Find Solution include:

- Staff Locating and Monitoring
- Building Intelligent Lighting Control
- Temperature and Ventilation Control
- Secured Areas Access Control
- Passenger Flow and Estimated exit time Displays
- Runway Controls for Small Hubs
- Tank Levels Control



Smart Train Solution Ideas

Smart Transportation Concept happens when the solution designed in full responsive way putting the passenger as the target and fulfilling all passenger basic needs at his finger tips with speed, accuracy and comfort. This includes people meeting and greeting the passenger as well to help reduce stress and jamming of stations, reducing queues and time wastage. Linking Multi transport hubs together under one application that manages moving from point A to point Z including all route needs and ETA, class of reservation and other regardless if it is Train, Bus, Airplane, Ferry or others. Smart G4 and V-ecom Smartsoft made sure to provide state of the art fully integrated and affordable solution with latest topology and technological handling.

In Next Slides are some of the Initial Ideas for the solution we are offering to Transportation Ministry for Smart Train as (First Part of the Assignment)



We are offering our following Solutions:

- Ticket /Seat reservation
- Integral Queuing
- System Train
- Scheduling
- Live Location tracking and ETA Inside car Info and announcements
- Sleepers and VIP car
- Automation controls and Service requesters Satisfaction level Survey Evaluators
- Car seat loading indicator displays
- Technical control of the locomotive (power, breaking systems)
- Transmission from the signaling systems giving clearance for entering block sections
- Transmission from track side detectors warning about irregularities that can have impact on the train, like cars on level crossings





Convention Centers

A convention center is a collection of halls, meeting rooms, cafeterias, toilets, corridors, offices, lifts, escalators, and other amenities. Large multi-purpose convention centers consumes huge amounts of energy to maintain comfortable visitor environment. At Smart G4 we help such centers to conserve and manage their resources more effectively by providing zoned floor management grid and by inducing fresh air based on number of people inside the space. Using intelligent occupancy sensors can put long vacant zones in staged hibernation mode where it wakes or it is activated when visitor approaches.

Among the many benefits by Smart G4 HDL

- : On demand energy slicing
- Decreased maintenance
- Reduction in operational costs
- Dash-boarding, Reporting and remote monitoring
- Easy Integration to 3rd BMS and AV systems
- Enhancing security and building experience



Banks and ATM Lobby

In Designing our solutions, Smart G4 provides state of the art technology, security, energy saving, and elegance. Some of the systems offered:

- Bank Queuing System
- Advertisement and Information Screens with content management
- Multiple projectors combiner for wide Stock Market Display lounge
- Current monitoring for Quality Assurance that all light bulbs are working
- Signage Control and Intelligent Facade Lighting
- Climate Control
- Special VIP area Access and Security
- Remote monitoring and Dash-boarding with alerts
- Comfort and Energy Saving and many More.

Please contact our Sales for your needs

Understanding the Need for modern comfortable banking experience, Smart G4 has provided multiple solutions for the banking needs. We have solutions for ATM lobby, for Bank branches and for Bank Main Offices.



BMS System Commonality for all Commercial Buildings

The BMS system is common in all commercial structures and shall

- cover: General Building Lighting
- HVAC
- Escalators and
- Elevators Boilers and
- Heaters
- Water Pumps, Values, and tanks
- Emergency Generators and Battery Backup
- Access and Entry
- Fire and Safety
- Security and CCTV
- Events Logging and Maintenance





Intelligent Energy Saving System Water Conservation System

ENERGY SAVING

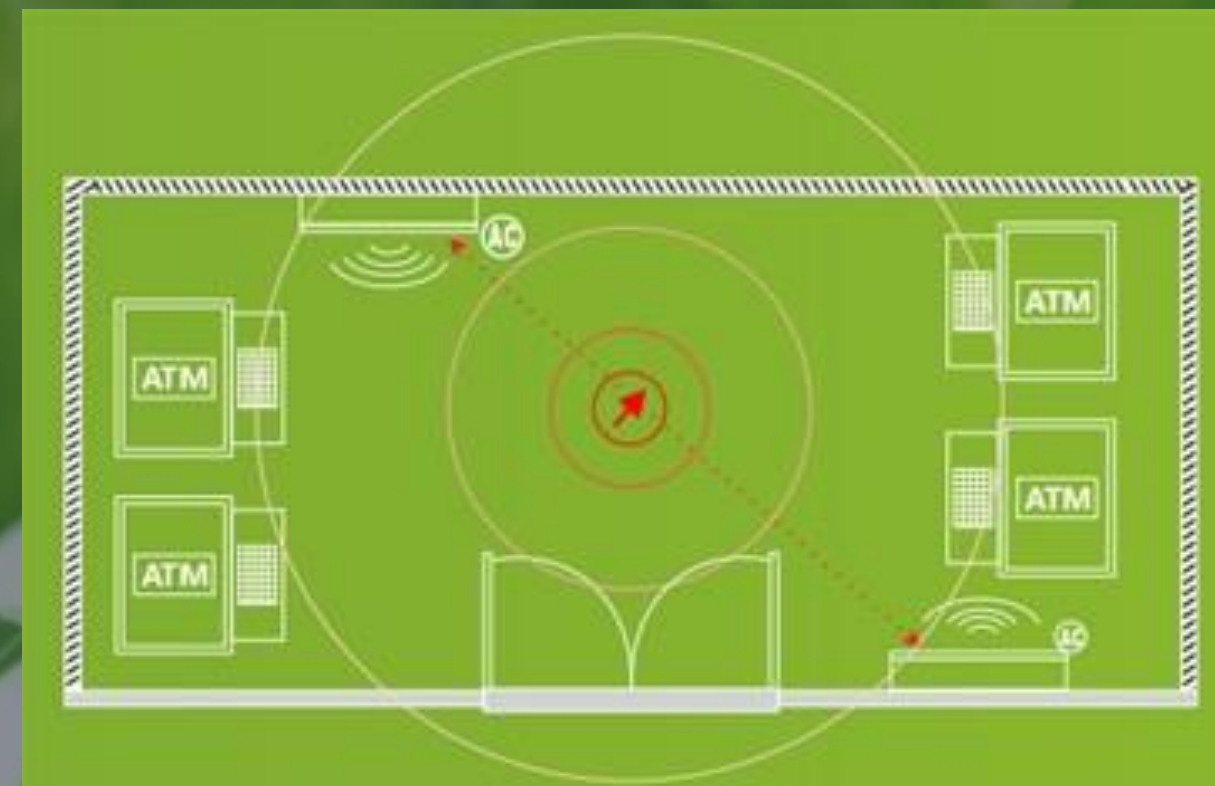
SMART-G4 big variety of products to suit your building type needs.

-
- Ct24
- People Counter
- 8in1
- Impulse meter counter
- Ultrasonic Sensor
- Microwave Cobra
- Octopus Detector
- Multi-Function Sensors
- LEB Detectors
- HBS Sensors
- and More



8 in 1 Multifunction Occupancy Sensor 5A (G4)

Bus Enabled (Temperature, PIR, LUX, IR Emitter, Pass through Relay output 5A, (32) Automation and Energy Logics, Security Enabled), Distributed Intelligence. and more..



- CONTROLS TEMP MAX/MIN SET POINT RANGE
- SAVES AC POWER DURING NIGHTS, HOLIDAYS..ETC
- SAVES EXTRA LIGHTS UN-NEEDED DURING DAY/NIGHT

NO.	DESCRIPTION	ICON
1	8 in 1 Sensor	
2	Air Condition	
3	Automatic Teller Machine	

Ultrasonic & Noise Level sensor

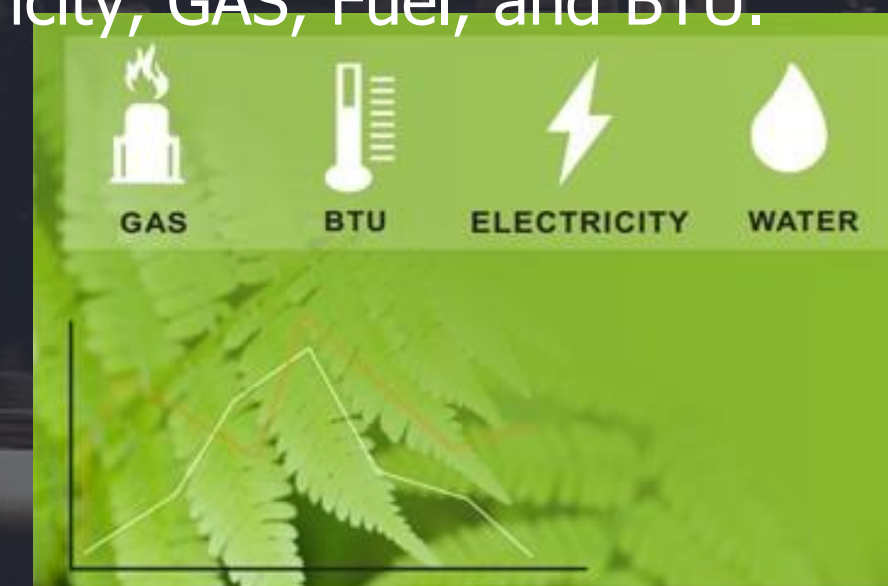
Innovative True occupancy sensor that helps detect accurately the human presence and activities in the space of that zone. It can also work stand alone or with sBUS environment as a system to help save energy and cut any water waste.



Impulse meters

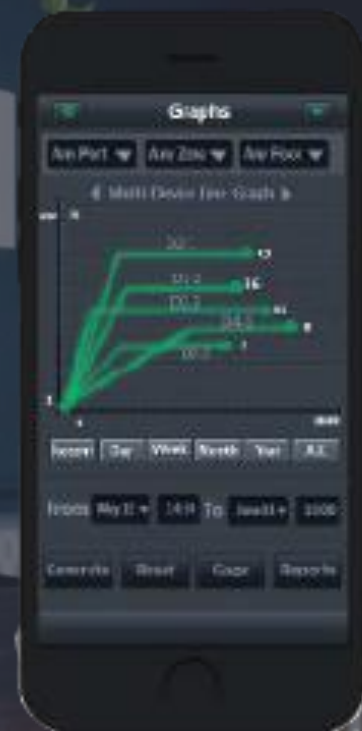
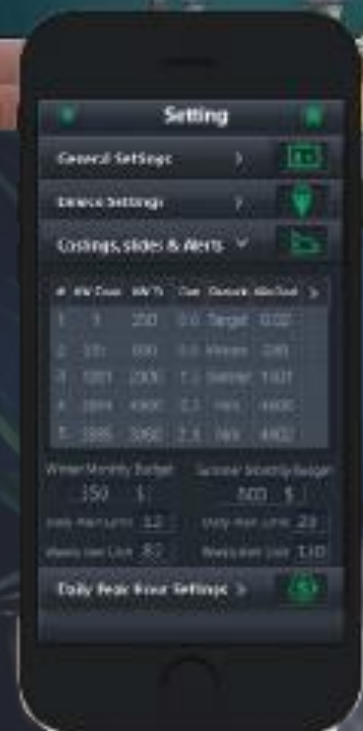


Connects to any existing impulse meter and convert it to an online system collecting data logs every minute and hour. This impulse meter is also compatible with Romstal-BMS SW and APP. It can collect readings and calculate online consumption send alerts and drive actions using sbus power. The Impulse meter can be connected to log consumption of Water, Electricity, GAS, Fuel, and BTU.





CT 24 meters



Electricity Meters and consumption Logger. It can log every minute, hour .. etc. CT24 can give detailed consumption analysis per floor, per department, per Line type: (HVAC, Lights, Power Sockets).. This way data can be used to analyze and budget power Quota, send alerts, drive actions and more



Water Conservation Energy Fresh Air Injection

Cobra sensor

Dual Technology Outdoor RAIDS Enabled Sensor with Stand Alone and online Control ability. One of best Occupancy sensors for Parking spaces and Corridors its Microwave and 180 Degrees Triplex RABBLE PIR help in detecting Accurate Occupancy in that space. The COBRA can accordingly drive its relay or any other sbus device to run or to save energy.



People counter

Helps Save Energy and Water in Public toilets, Ablution Areas, Dormitories It can work alone or Part of sbus online environment The People Counter can also be used at Hotel Ball Rooms to drive Fresh air based on the required volume proportional to people count in that area.



HEART BEAT, LEB, OCTOPUS and Other Occupancy Detection Technologies





Dynamic Display Panel



Door Controlled Access Entry



9 in 1 Sensor



Smart Meeting Room

- 1- Mirror / ART TV
- 2- Mood Lighting and Dimming
- 3- CCTV Camera Monitoring
- 4- Phone & Data WIFI
- 5- Background Music

- 6- 9 in 1 Sensor / Security
- 7- Controlled Power Outlets
- 8- Fax Point
- 9- Elegant Cool Panel PC
- 10- Drape Control

- 11- Wireless Keyboard
- 12- Air Conditioning Control
- 13- Call Monitoring & Logging
- 14- Smart DDP
- 15- Door Controlled Access Entry



iPad App Software



Zone Audio



Voting Microphone

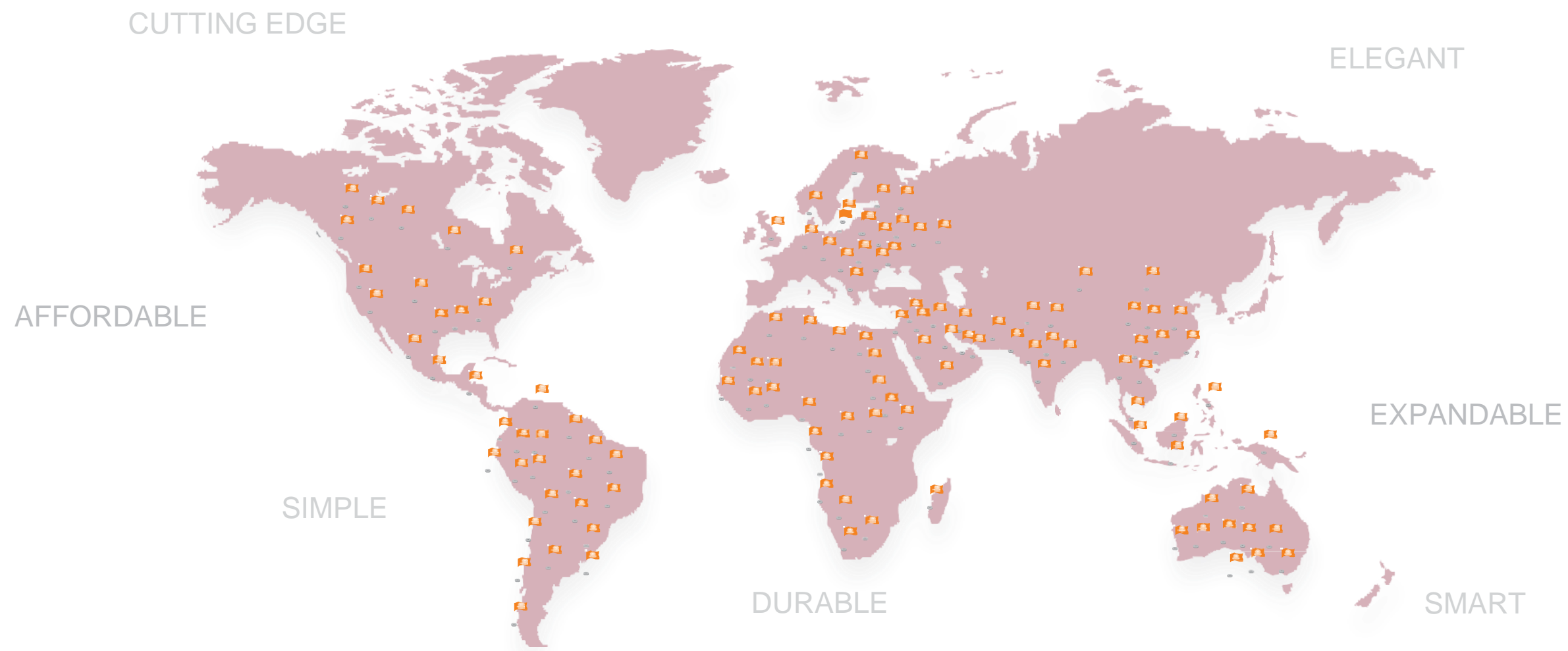


Smart Meeting Room

- 1- Motorized Projector Lift
- 2- Motorized Projection Screen
- 3- CCTV Camera Monitoring
- 4- Phone & Data WIFI
- 5- Surround Music

- 6- Media Center
- 7- iPad App Software
- 8- Wireless Presenter Keyboard
- 9- Voting Microphone
- 10- Motorized Blinds Control

- 11- Touch Screen Wireless
- 12- DDPs
- 13- Smart Interactive Board
- 14- Mood Lighting and Dimming
- 15- Zone-Audio



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