



**BUILDINGS & SPACES
SAVING INNOVATIONS**



BUILDING & LIGHTING CONTROL SYSTEMS





WIRELESS INTELLIGENT BUILDING MANAGEMENT SYSTEMS (IBMS)



- ✓ Wireless, Battery less and Sensor based system
- ✓ Retrofit and for Under Construction Sites
- ✓ Solution for Small to Large Offices, Hotels, Hospitals, Schools, Colleges etc
- ✓ Saving 15% on new project, 70% on Retrofit projects and 40% on Energy
- ✓ Interoperable and scalable standard solutions
- ✓ Manages Energy Consumption for Greener Environment





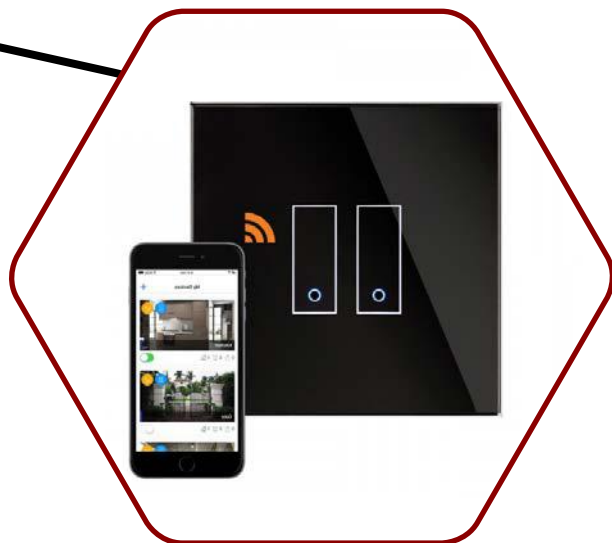
SMART LIGHTING & CENTRALISED CONTROL SYSTEM

- ✓ Power through Cat5e/Cat6 cables hence eliminating electrical Cables
- ✓ Up to 70% Energy Saving with Occupancy Sensor based Integration
- ✓ Driverless Fixture for POE Application
- ✓ 24/ 48 Led Driver Channel of 34W to 50W per engine
- ✓ Fully Dimmable 0-100% Per Channel
- ✓ Integrated Power Monitoring Per Channel
- ✓ Integration into Smart Building System
- ✓ Real Time Data for Temperature, Brightness and Presence



SMART IOT DESIGNER SWITCHES

- ✓ Customised Switches with Sockets to match Design Aesthetics
- ✓ Compatible Range with EnOcean, Zigbee, Bluetooth as desired
- ✓ Switches both Wired and Wireless for easy retrofit Installation
- ✓ Energy Harvesting Self Powered Switches which are Battery free
- ✓ Over Voltage Protection and Low Power Consumption Switches
- ✓ Wi-Fi based models for Existing Setup for Quick Automation





DIGITAL LOCKS & MOTORISED CURTAIN



- ✓ Digital Locks for Doors with Remote functionality
- ✓ Automatic locking, Operation Status & Voice Guide features
- ✓ Motorised Curtain with Remote Control and App functionality
- ✓ Lower Motor noise with both Manual & Timer Control Option
- ✓ Can be integrated with Building Automation for All in One Access
- ✓ Special Applications for Offices, Hospital, Banks, Laboratories etc



SMART MIRROR TV

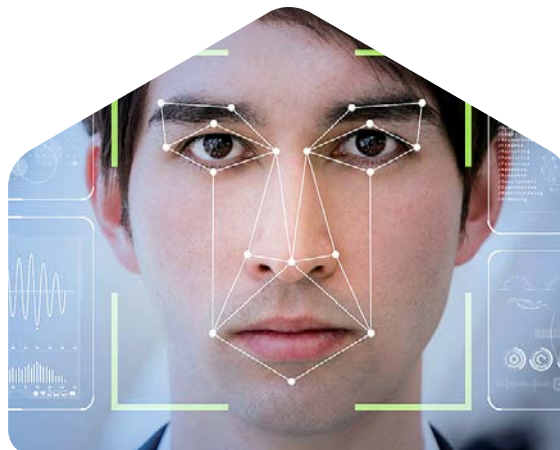
- ✓ A purely Interior Product which converts from Mirror into TV
- ✓ From Decorative Frame with Colour options to Bespoke Custom Designs Available
- ✓ Screen Dimensions up to 3000 mm x 2000 mm
- ✓ Can be Integrated with the Automation System within the Office or Building
- ✓ Superior Optical Quality & Easy Maintenance





PUBLIC ADDRESS, FIRE ALARM & SURVEILLANCE SYSTEM

- ✓ Electronic System to address small or large gathering
- ✓ Standalone and IP based System with latest technology
- ✓ Pre Programmed System connected with BMS can schedule Automated Messaging
- ✓ Minimum Infrastructure and cabling for minimum installation time
- ✓ Lower Cost of Investment and Flexible to Relocate
- ✓ Able to integrate with other Fire or Emergency Systems
- ✓ Applications from Schools, Airports, Hospitals, Malls and Industrial Facilities





INDOOR AIR QUALITY & CONVERGENT SYSTEMS



CENTRALISED VACUUM CLEANING SYSTEM

- ✓ Cleaning Solution from 10,000 sft up to 10 million sft plus
- ✓ Up to 20 plus simultaneous users at any given time
- ✓ Dirt Collection is Centralised
- ✓ Better Indoor Air Quality
- ✓ No Noise Pollution due to Silent Operation
- ✓ Easy to Install during the Construction Phase
- ✓ Reduces Overall cost of Building Maintenance



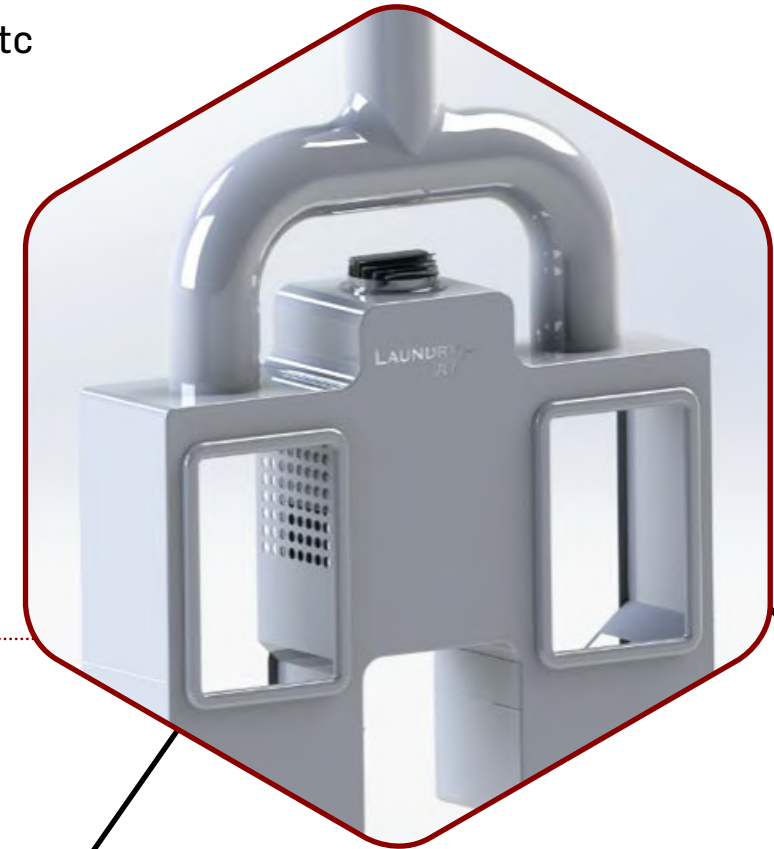
CENTRALISED AIR PURIFIER SYSTEM (ERV)

- ✓ Helps to Filter out Dust and Airborne Particles
- ✓ Reduce Allergens and Bacteria
- ✓ Keeps Mould and Rust growth to Minimum
- ✓ Prevents Condensation & Spoiling of Furniture
- ✓ Standalone and Ceiling Mounted Units
- ✓ Control Increasing Indoor Temperature
- ✓ Reduces the use of Air Conditioning System



CENTRALISED LAUNDRY COLLECTION SYSTEM

- ✓ Revolutionary Solution for Hotels, Hospitals & Commercial Buildings
- ✓ Removes the need of manually carrying clothes via elevators or stairs
- ✓ Can handle Bedsheets, Pillow Covers, Towels, Clothes, Jackets etc
- ✓ Multiple Ports with up to 400 feet plus running length
- ✓ Powerful Suction Ensures Smooth Working
- ✓ Add value to the property and creates work efficiency
- ✓ Reduce cost of operations by 15% or more





CENTRALISED GARBAGE CHUTE COLLECTION SYSTEM

- ✓ Garbage Collection possible up to 60 floor building
- ✓ Garbage from all floors collected at single point on ground floor
- ✓ Allows segregation of Dry, Wet & Recyclable Waste
- ✓ Manufactured as per NFPA standards
- ✓ In built Sanitation System for Auto Clean
- ✓ Enhances the Hygiene of the Property
- ✓ Avoids Waste being taken from Elevator or Stairs
- ✓ Reduces Power Consumption
- ✓ Integrates to the BMS System for Periodic Updates





AUTOMATED WASTE COLLECTION SYSTEM

- ✓ Works on Pneumatic System through Underground Pipeline
- ✓ Waste is Centrally Collected from Multiple Buildings & Points
- ✓ Congestions of Waste is avoided due to powerful suction ability
- ✓ Segregation of Waste is Automatically done at the end of the system
- ✓ Waste Collection Point is Away from the Building /Township reach
- ✓ Provides notable long term cost savings
- ✓ System is fully automated hence zero human interference
- ✓ Reduces CO2 Emission due to reduce waste collection vehicles
- ✓ Integrates to the BMS System for Periodic Updates



SMART WASTE BINS

- ✓ Manual, Electric & Solar Compacting Bins
- ✓ Compacts up to 8 times the bin capacity
- ✓ Increase Bin Capacity between 400% to 600%
- ✓ Reduces Waste Collection Costs & CO2 Emissions
- ✓ Has Ultrasonic Bin Level Sensor
- ✓ Real time monitoring of Waste Collection
- ✓ Additional Options of Wi-Fi, Bluetooth, Speaker, Advert Panel



SMART BLADELESS FAN

- ✓ Bladeless and Noiseless Patented Ceiling Fan
- ✓ Energy Efficient consumes very less power
- ✓ Reduces load on existing HVAC system by 38%
- ✓ Creates 360 degree Vortex Airflow for evenly circulation
- ✓ Reduces Mold Growth over 100% Air movement
- ✓ Has inbuilt Dimmable LED in Warm and Day Light Option



SMART VENTILATION FANS & DRYERS

- ✓ Patented IOT Ventilation Fans & Dryer
- ✓ Energy Saving with Artificial Intelligence Sensor
- ✓ Prevents Odour and Upwind, reducing Noise Between Floors
- ✓ LED Light Integrated Models – Worlds First
- ✓ BLDC Motors for Long life and Less Noise
- ✓ Models with Thermo Ventilator, Body Dryer and Heater Function



SMART DIGITAL SHOWER

- ✓ Saves Water with Intelligent Temperature Control System
- ✓ Can be Controlled Wirelessly via the App or Physical Remote
- ✓ Voice Activation and Pre-set Setting for Any Users
- ✓ Can be Installed along as Exposed Retrofit or Concealed Fixture
- ✓ Built in Sensor to detect User away or in the shower during operation
- ✓ Can be used for Bathtubs and Shower at the same time





info@meuniversal.com
www.meuniversal.com

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