



**Energy Efficiency, Comfort & Convenience**  
**Security & Safety**

**... Smart building solutions at its best**

[illegible]

A large, stylized hand is shown holding a city skyline. The hand is positioned in the center, with fingers curled around a cluster of various skyscrapers and buildings. The cityscape is rendered in a grayscale or sepia tone, with the hand appearing in a darker, more solid color. The background is a light, hazy sky.

# WELCOME TO FrontHill Limited

## ■ VISION

To be the most innovative company in digitalizing Africa's built environment.

## ■ MISSION

To accelerate Africa's transition to sustainable and efficient built environment.

## ■ CORE VALUE

Our values are the pillars of our identity by which we engage with all our stakeholders...

\*Excellence   \*Professionalism   \*Integrity   \*Courage



**W**e are the leading system integration company in West Africa, recognized for our proficiency in Energy Efficiency Management and Building Automation. We specialize in crafting diverse solutions, encompassing Building Management System (BMS), Guest Room Management System (GRMS), Power and Energy Management, Smart Homes, Life Safety and Security Systems, as well as Green Building Commissioning and Certifications.

With decades of experience, we have consistently delivered innovative end to end smart solutions to clients in the Hospitality, Real Estate, Data Center, Healthcare, Commercial and Industrial Sectors.

We offer integration and custom solutions for all your project needs across the leading OEM brands in the world (Schneider Electric, Siemens, Honeywell, ALC, Bosch, KNX, INNCOM).

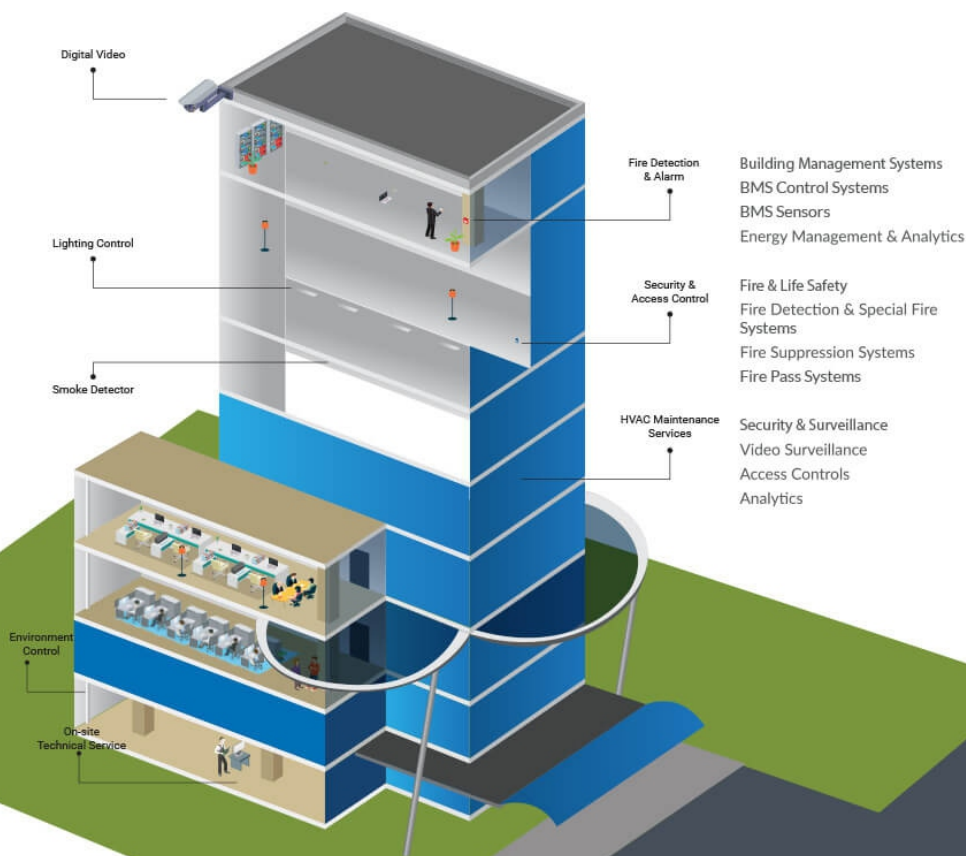
Our goal is driven by a strong desire to deliver sustainable and efficient designs that are future proof. We are more than just a company; we are architects of smart and intelligent buildings.

We don't just talk, we deliver!

- Building Automation & Control (BMS)
- Guest Room Management Solutions
- Home Automation
- Power & Energy Management
- Life Safety & Security
- Green Building & Commissioning



# ← SOLUTIONS



# • BUILDING

## Management System



**At Fronthill**, our team offer you automated, centralized and seamless control of your building's HVAC (heating, ventilation and air conditioning), electrical, lighting, shading, Access Control, Security, Safety Systems, and other interrelated systems through a Building Management System (BMS) or Building Automation System (BAS).

**As registered** and certified professionals in Building Automation system protocols, we help achieve the absolute monitoring and control for your facility. We are experts in BACnet | ModBus | KNX | LonWorks | SNMP | OPC etc.

**At Fronthill**, our BMS workstation features seamless Graphic interface, best in time Schedules, Reporting, Trend logs and Alarms solutions, Energy Billing interface etc.



A Connected World

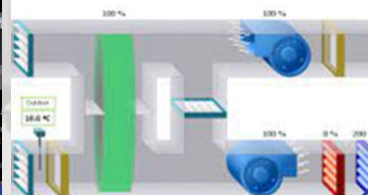
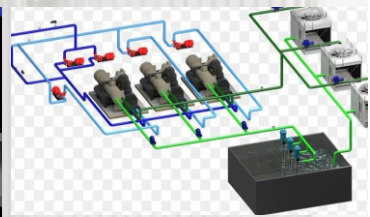
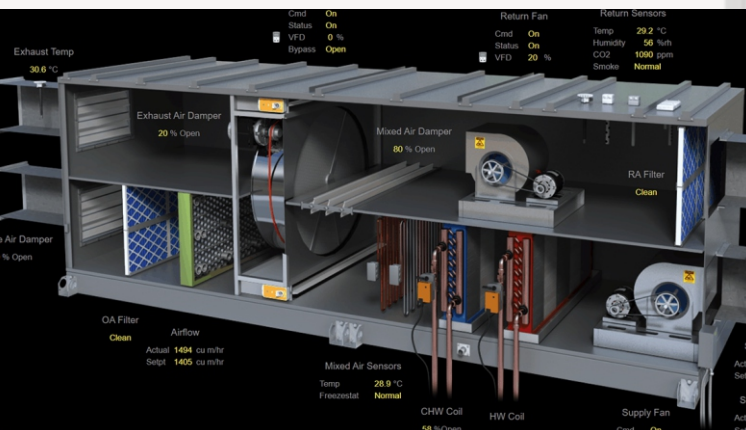
## WHY CHOOSE US

- Save up to 40% of your building's energy consumption
- Ease of building operations and facility management
- Monitored usage pattern and Load demands to reduce the Carbon footprint of your Facility
- We protect the planet by reducing CO2 Emission, improve well-being and productivity
- Monitor your Building systems and respond to alarms generated
- Remote fault detection and diagnostics



# BUILDING AUTOMATION PLANT

- AHU Fan Speed Control
- Temp/Humidity
- Pressure/Flow Control
- Indoor Air Quality (IAQ) Metering
- Occupancy and Schedule Optimization
- Energy Saving
- Monitoring and Diagnostic
- Alarm and Report Analytics
- Gain Insights to take complete control of your building operation
- 3D Interactive BMS Graphics
- Our teams are known to deliver the best



## Putting Automation To Work

Integrating Third Party Systems Like CCTVs, Fire Systems, Public Address Systems, Access Control, Solar Power, Diesel Generator Set, Etc. To Building Management System has never been easier. We partner with the most trusted manufacturers in industry-leading technology like Schneider, Siemens, Honeywell, Johnson Control, Bosch, Salto etc.

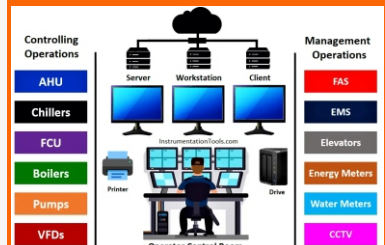


Our new plug and play building automation offers complete, affordable and intuitive solution – enabling you to monitor your building from top to bottom.



## Fronthill BMS Solutions Guarantees:

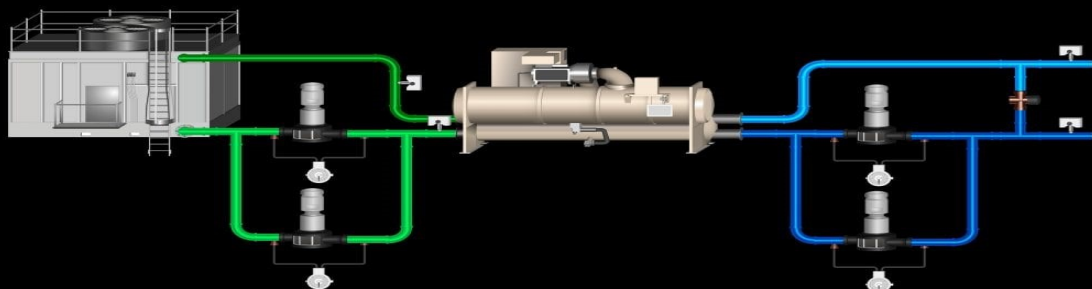
- User-friendly HMI (Human Machine Interface) and Remote visualization of building plants.
- Decentralized data structure, ensuring both interoperability and security.
- Multi-protocol supporting KNX, LonWorks, BACnet, Modbus, M-bus, SNMP.
- Universal SCADA server OPC, BACnet, oBIX.
- Integrated services: Scheduling (calendar), Trending and Alarming.





## • OUR EXPERTISE AT YOUR SERVICE

- A Single Dashboard for building HVAC control.
- Reliable and Cost-effective building management.
- Simplified Building operations.
- Fault diagnostics & detection.
- Wireless Solutions.
- A smarter & eco-friendly building.
- Analytics for making informed building decisions.
- Payback period of less than 3 year.



# GUEST ROOM MANAGEMENT SYSTEM

- Smart Hotel Rooms
- Automated Room Service Management
- Access Control
- Hotel Property Management System

# SMART HOTEL ROOMS

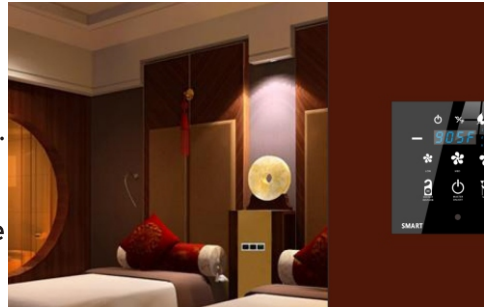


## Lighting Control

- Flexible lighting features to meet guests visual needs.
- Enjoy dimming and lighting control with the devices to increase comfort and satisfaction.

## HVAC Control

- Keep guest rooms at the desired temperature without breaking the bank and increase guest satisfaction.
- HVAC control system ensures energy management while conditioning the air in the room.

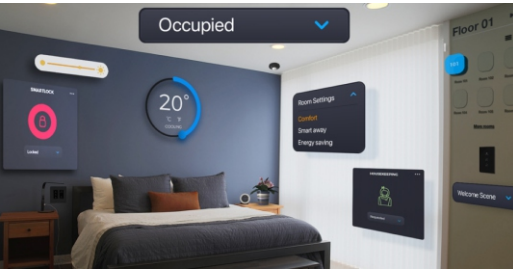


## Automated Blinds

Intelligent hotel room feature that control window shades and curtains so they open at the stroke of daylight and close depending on the sunlight intensity in the evening.



# AUTOMATED ROOM SERVICE MANAGEMENT

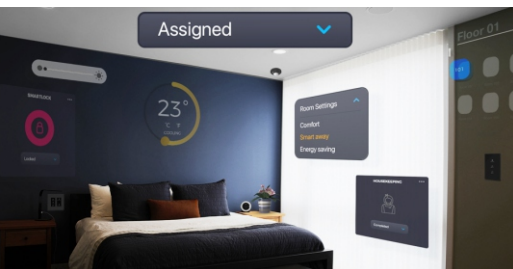
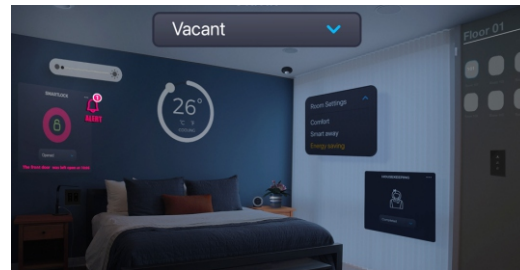


## • Occupied status

When guest presence is detected in the room, the lights and AC will turn on to a predetermined welcome scene and temperature which can be control on demand by guest.

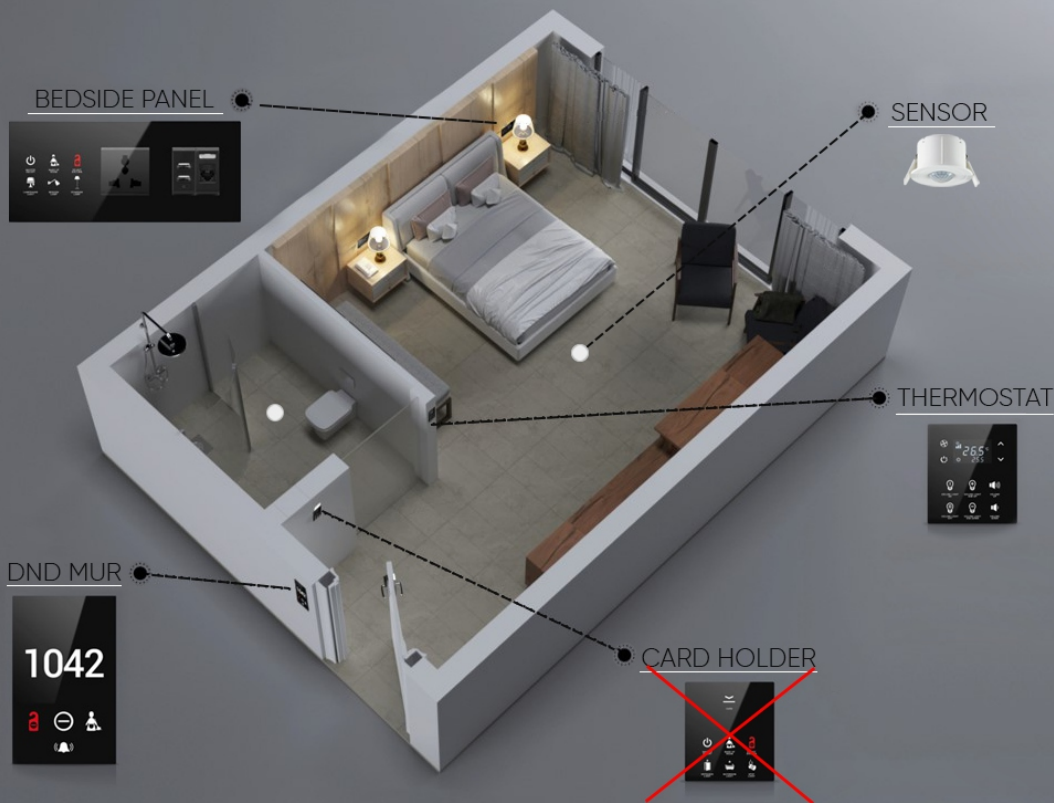
## • Vacant status

If the room is vacant, it will automatically shut off lights and adjust the temperature to its most efficient setting, all while preventing humidity build-up and avoiding damage to in room equipment and furniture.



## • Assigned status

Once the room is assigned and guests are not present, HVAC will turn to an energy saving yet comfortable temperature and lights will turn off.



### Benefits to the Hotel

- Improves efficiency.
- Saves energy and operating costs, from reduced lighting and HVAC energy usage.
- All-in-one solution for the entire property/hotel: From guestrooms to public areas and back-of-house.
- Uses room occupied / unoccupied information for guest presence detection and ensures automated unobtrusive control.
- Provides integration with other building/hotel systems.

### Benefits to Guest

- Enhanced experience for your guests: Create a comfortable, inviting, and private environment and provide an easy management.
- Bedside and entry keypads provide convenient control.
- Ultra-quiet motors and smooth performance enhance the guest experience.



# • ACCESS CONTROL.



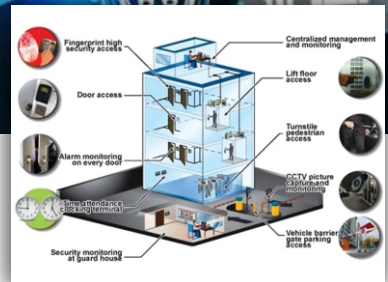
## SECURE YOUR REALM

Elevate your property's security and convenience with cutting-edge access control solutions from Fronthill Limited

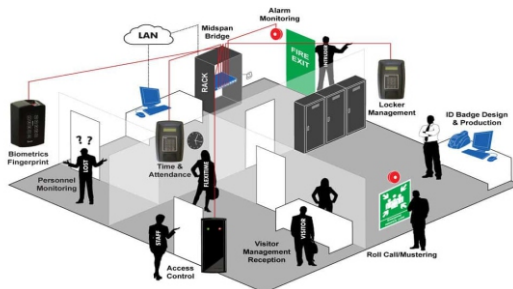
We design, install, and maintain customized systems for residential, commercial, and mixed-use spaces, empowering you to control access, enhance safety, and streamline operations.

### Experience the transformative power of access control:

- **Enhanced security:** Protect your residents, tenants, and assets with secure access protocols, intrusion detection, and real-time monitoring.
- **Convenience and automation:** Grant authorized access, manage visitor entries, and automate building functions for an effortless living or working experience.



- **Increased property value:** Modern access control systems add a layer of sophistication and security, making your property more attractive to potential buyers or tenants.
- **Scalability and flexibility:** Adapt your system to your evolving needs with modular designs and integrations with other smart building technologies.



*Don't settle for anything less than the best. Choose Fronthill Limited as your trusted partner for cutting-edge access control solutions and unlock a safer, more convenient future for your property.*



# Seamless Integration with leading HOTEL PMS



## *Property Management Software Integrations*

- Opera by Oracle
- ONQ
- Protel PMS
- Maestro PMS
- ResNexus
- WinHMS
- Hotelogix
- Iqware
- eZee Absolute





## Our OEM Partners.

- Schneider Electric
- Honeywell
- Siemens.
- SALTO
- Assa Abloy
- Bosch



# UNIQUE SMART HOME EXPERIENCE

*that suits your needs perfectly.*

- Limitless Entertainment with a single remote
- Smart Lighting
- Home Cinema
- Voice Activated Control
- Blind Control
- Access Control
- Home Safety & Security





# LIMITLESS ENTERTAINMENT WITH A SINGLE TOUCH

## CONTROL AT YOUR FINGERTIPS



- **Smart Lighting:** Craft the light in your home to improve Productivity, Relaxation and Security.
- **Home Cinema:** Flawless control of your home audio-visual gadgets.
- **Voice Activated Control:** A Voice controlled home offering the pinnacle of Luxury.
- **Blind Control:** High-Precision control of shades that provides exceptional style and privacy.
- **Home Safety and Security:** Intelligent security gives you peace of mind knowing your family is safe and secure.
- **Access Control:** Peace of mind while home or away.

# POWER & ENERGY MANAGEMENT



*Our Solution Maximizes Power Reliability And Uptime.*

## **FREQUENT POWER QUALITY PROBLEMS:**

- VOLTAGE SAG
- VOLTAGE SWELL
- UNDER/OVER VOLTAGE
- TRANSIENT VOLTAGE

## **STEADY STATE DISTURBANCE**

- HARMONICS
- FLICKERS
- FREQUENCY VARIATION
- UNBALANCE

*With Fronthill... Gain Real-time insights into  
your power consumption.*

# KEY FEATURES

1

**Energy Assessment:** Our energy expert team will conduct a comprehensive assessment of your lightning, HVAC and other plants.

2

**Benchmarking:** We benchmark your energy usage with international baseline metrics for a better efficiency outlook.

3

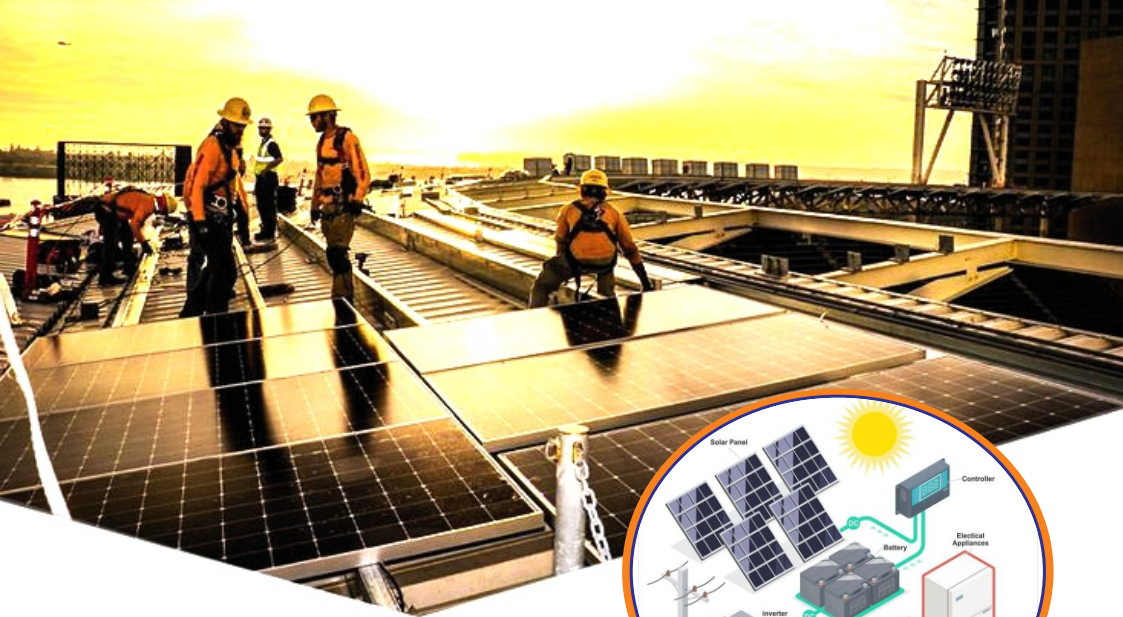
**Data Logging:** We install comprehensive energy metering loggers for our on-site audit to capture energy data for in-depth analysis.

4

**Building Energy Team:** We conduct training for your staff to become efficient energy managers making your generations seamless.







## ■ SOLAR POWER & Installation

Harness the sun's endless energy and make a positive impact with **Fronthill Limited**.

We provide comprehensive solar solutions for homes and businesses, empowering you to achieve energy independence, save money, and protect the planet.



*Power Your Future with the Sun*

### Join The Clean Energy Revolution

- **Slash your electricity bills:** Save up to 80% on your monthly energy costs by generating your own clean power.
- **Boost your property value:** Solar installations increase home and business value, making them highly attractive to potential buyers.
- **Become energy independent:** Reduce reliance on traditional power grids and gain control over your energy consumption.
- **Protect the environment:** Make a sustainable choice and contribute to a cleaner future for generations to come.

*Take control of your energy future and contact Fronthill Limited today! Schedule a free consultation with our solar experts to discuss your needs and receive a personalized quote.*

# ■ LIFE-SAFETY System



## Get all messages across, no matter what

Fronthill is powering impactful sustainability, respectful safety and security, while delivering an enhanced customer experience.

Our Life safety features to help Protect People & Facilities are:

### Intelligent

State-of-the-art technology allowing intelligent control of all system elements.

### Intuitive

A variety of programming options allow your building occupants to be fully protected.

### Scalable

Our system are easy to install, configure and expand to meet your unique needs.



*Ideal evacuation, message and background music solution*



## Our Offerings includes:

- Public Address and Voice Alarm System( PAVA)
- Fire Alarm System
- Staircase Pressurization System
- Elevator Safety System
- Emergency and Standby Power System
- Access Control



# • GREEN BUILDING



## Enhance the Value of Your Building Assets

### Our Building Commissioning Services

- New-built commissioning
- Retro commissioning
- Recommissioning
- Continuous commissioning

### Green Building Certification Services

Our green building services include:

- Feasibility studies for design assessment
- LEED Certification
- WELL Building certification
- EDGE certification

Enhance the value of your building assets and realize the economic, social and environmental benefits of greater resource efficiency.

[Call our certified team today.](#)

Our team are certified as

- LEED AP
- WELL AP
- CEM
- BCxP



### Values We Offer

- Reduced project schedule and costs with fewer change orders
- Enhanced occupancy safety, health and comfort
- Improved system and equipment function
- More efficient transition from design to construction to operation
- Greater peace of mind and satisfaction
- Improved thermal comfort with proper environmental control
- Improved indoor air quality
- Improved operation and maintenance with documentation
- Improved system function that eases building turn-over from contractor to owner
- Consistent system function when the building turns over from one operator to another





# What We Do Our Services

Consulting | Design | Project Management |  
Supply & Installation | Maintenance & Support |  
Building Commissioning and Green Building Certification.

- **Consultancy: Requirements Analysis & Brief Development**

We approach this stage with utmost diligence recognizing that it establishes the framework for the entire project progression and its outcome.

- **Building Automation Design & Drafting:**

We specialize in Building Automation services for both hotels and commercial real estate development.

- **Project Management & Coordination:**

Let us turn your vision to reality. Contact us to experience successful project delivery, ensuring efficiency, quality, cost control and stakeholder satisfaction.

- **Building Commissioning & Green Building Certification:**

We offer assistance with Green Building Certification (LEED, WELL and EDGE certification), Green Building Commissioning services (certified by ASHRAE), and accredited Building Energy management (certified by AEE).

- **Supply & Installation:**

Every solution is as good as the infrastructure it sits on. We handpick the best products that work well in their own rights as well as with other products.

- **Maintenance & support:**

We are all about client satisfaction, so taking shortcuts and dropping the ball is not an option.

*If you need any additional information,  
please feel free to get in touch*

**Contact Us**

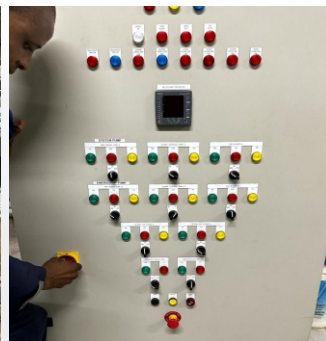
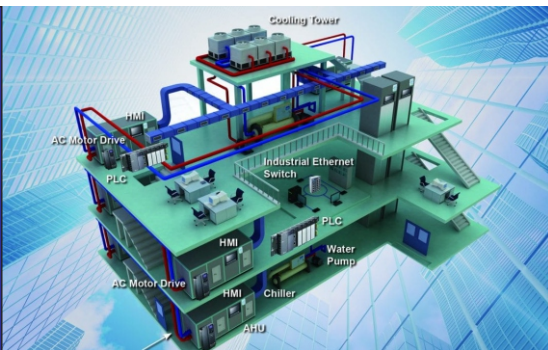
**Ready To Take Your Building To The Next Level?  
Reach Out!!!**



# Our Projects

Fronthill offers Tangible Solutions For Hotels, Commercial Buildings and Facilities to Address Energy Security Challenges and Carbon emissions at Scale

We are the best at what we do and we offer you the best of services



# CLiENTS



Civic Towers



## OUR PARTnERS



BOSCH





RC 1472346



**FrontHill**  
Smart Building Solutions at its best

# Contact Us



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Fronthill Engineering



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