



Automation .  Security

Home | Showroom | Societies | Industries



# ABOUT US

*Know us better*

Dyfolabs is an **IoT** based startup building products that can make homes smart and secure. Our solution enhances customers experience by providing them **automation and security** services that are easily adaptable. Our solution has a **high scalability** and can easily be used for various infrastructures like Offices and hotels. Currently we are operating in Delhi NCR region with 12 live customers.

Our aim is to build a smart ecosystem which can interact with the users and provide valuable suggestions to **optimize electricity usage**.

We also look forward to provide Automation and Security services that are easily **adaptable and affordable** for the common for people of India.



# PROBLEMS

*Problems to overcome*

Smart home system has not yet gained much momentum in the Indian society maybe due to the following reasons:

- **Fear that it could be very expensive**
- **Not sure of what tangible value it would give**

With our system we aim towards overcoming these problems to make the life of common people in India more convenient and secure which in turn will lead to **energy conservation**.





# PROPOSED SOLUTION

*We have long list of solutions*



**Optimized Energy Usage**



**Control of Energy Consumption**



**Energy Monitoring**



**Energy Analytics**



**Customizable Modes**



**Convenience and comfort for users**



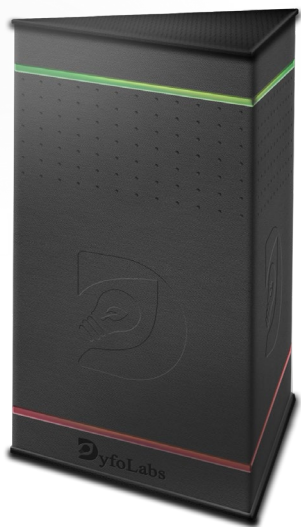
# OUR CORE COMPONENTS

*We have 2 core components*



# AUTOMATION

One of this is automation



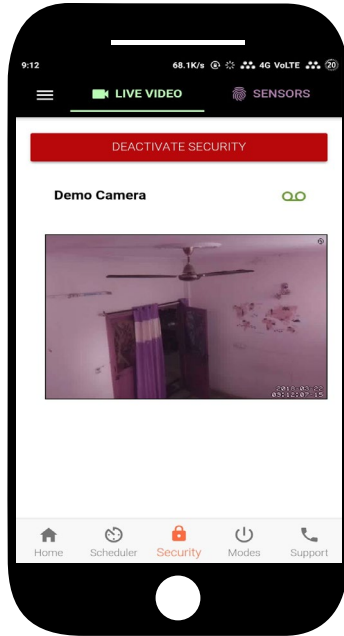
**Dyfo Smart Home Console**

- **Power Mode**  
Turn ON to save unwanted power from heavy appliances thus lowering the electricity bill.
- **Schedule Devices**  
Schedule appliances to turn them ON / OFF as per need.
- **2-way control**  
Appliances can be controlled both from app as well as switch. Even if customer operates with switch the state is synced in app. Thus customer always see the real state of appliances over phone.
- **Customisable Modes**  
Customize lights and music based on occasion like party, religious ceremony
- **Night Mode**  
Turns ON only those appliances that you use while you go to bed at night.



# SECURITY

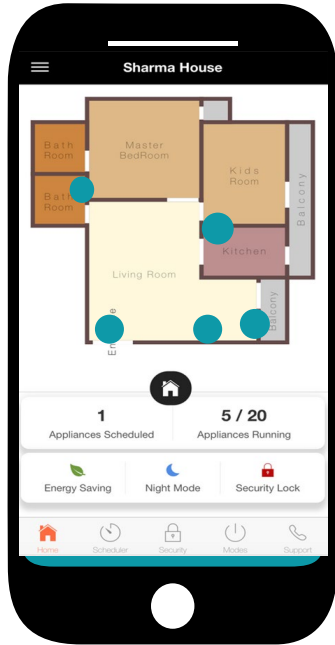
Other is of this is security



- **On Demand Live Stream**  
All camera installed in house sends live stream over phone
- **Motion Detection alert and footage**  
Camera smartly detects motion nearby and send alert with video clips over customer phone
- **Intruder Detection**  
Intruder detector sensor continuously monitor any activity near it and sends alert to customer on any intrusion detection

# OUR APP

Features of our application



2D view of house

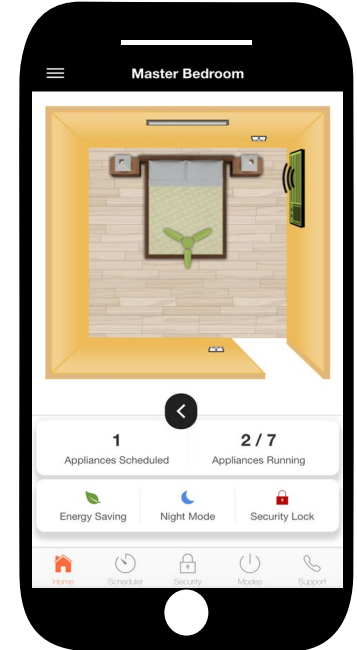


## BIRD'S EYE-VIEW

Product comes with customized view of the house. Customer gets 3D perception of their house with appliances positioned precisely. Thus customer can easily control appliances without any hassle.



● Green Dot represents appliances currently running



3D view of room

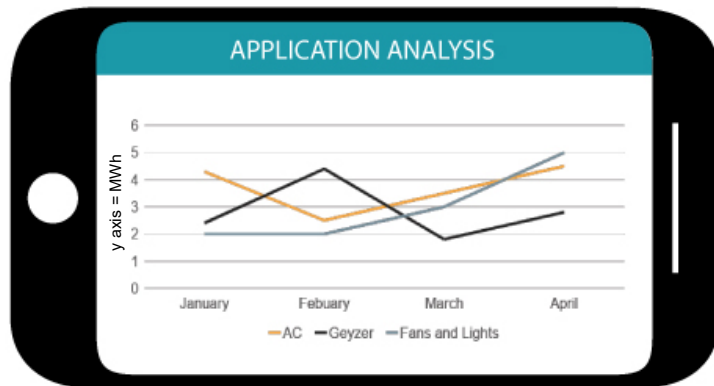
Touch appliance to turn ON / OFF



# MONITORING AND ANALYSIS

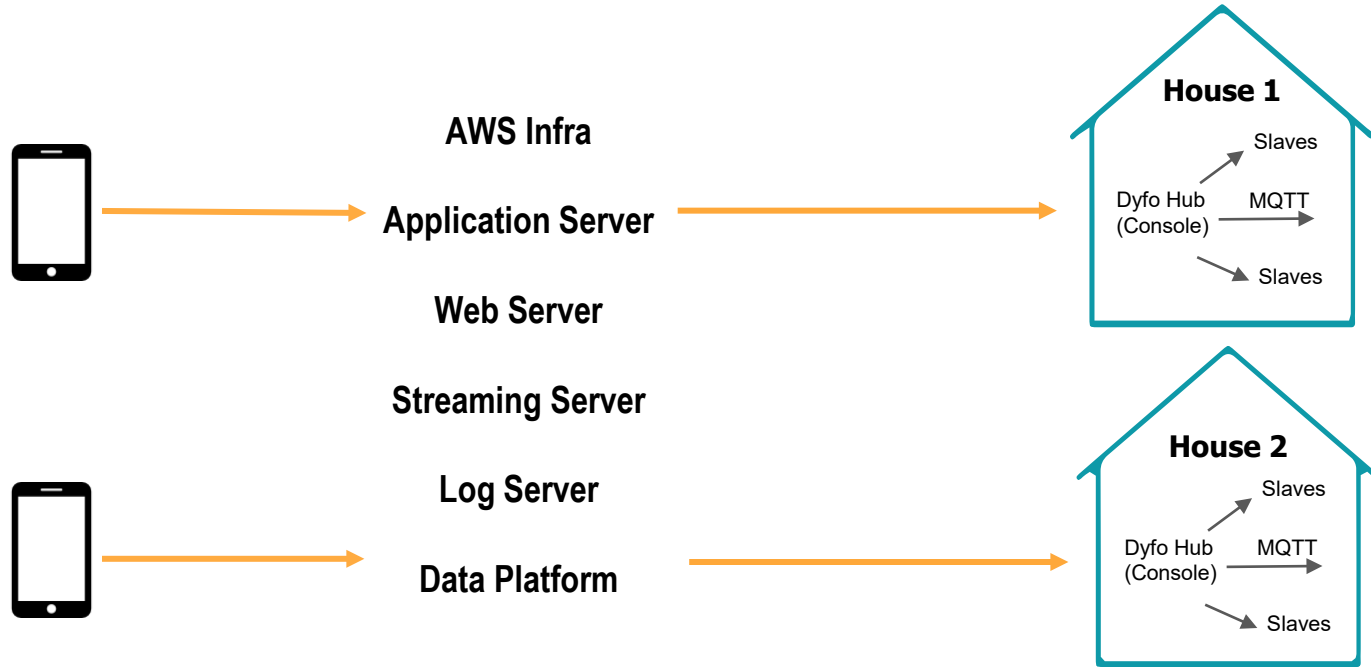
*Application analysis*

A simple way to **analyse Energy Consumption** with monthly reports.



# OUR ARCHITECTURE

*Our detailed architecture*



# WHAT WE OFFER

*Features of our application*



Demo Systems in existing or ready to move societies.



Gives unique marketing feature as smart homes.



Pre-installation in flats/offices/showrooms.

# FUTURE SCOPE

*Our future scope*

- Can be used for various infrastructures like **apartments, office space, hotels.**
- Integration with **low energy consuming communication** protocols.
- Prediction analysis of how a **person interacts with machines in their surroundings.**
- Tracking usage of appliances to provide **valuable suggestion** to customers to save electricity usage.
- **Integration with switch boards** in future that can help to expand our market reach.
- IOT enabled use-cases:
  - **Detection** of human presence
  - Real time **gas leakage safety** and modules
  - Use cases with **temperature, pressure and humidity Sensors**
  - **Smart lock**
  - **Voice control.**





# MARKET TRENDS

*Features of our application*

The global smart home market is likely to grow at a **CAGR of 14.5% between 2017 and 2022** and reach **\$53.45 billion by 2022** - (Zion Market Research)



**NASSCOM** has projected the growth of IoT market in India to **USD 15 billion by 2020** from the current **\$5.6 billion**



**Release Wire** has predicted the opportunity in this market is likely to touch **US\$ +96 bn** by the end of **2025**





Thank you

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