



**SMARTHOME**  
GROUP  
*Smarthome for everyone*



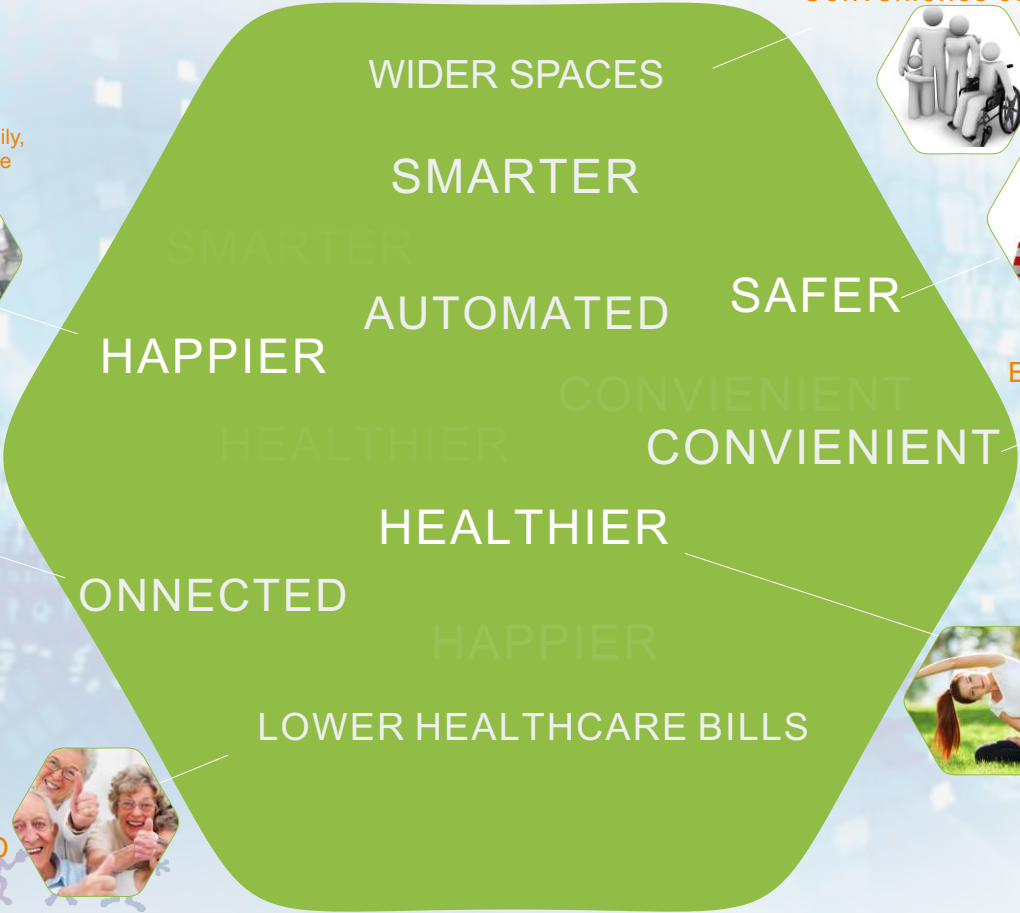
# SMART G4

## Solutions for People With Disability

SMARTHOME AUTOMATION  
[www.smartG4control.com](http://www.smartG4control.com)

# TARGETS & SOLUTIONS

FEEL of FREEDOM in  
CREATING SMARTER PLACES



Convenience of Movement



Fire, Gas,  
Water Leak,  
Panic

Easy for all, flexible



Temperature,  
Fresh air,  
Hygiene,  
Life habits +

Connected family,  
self confidence



SMS, PUSH alerts,  
Shopping +

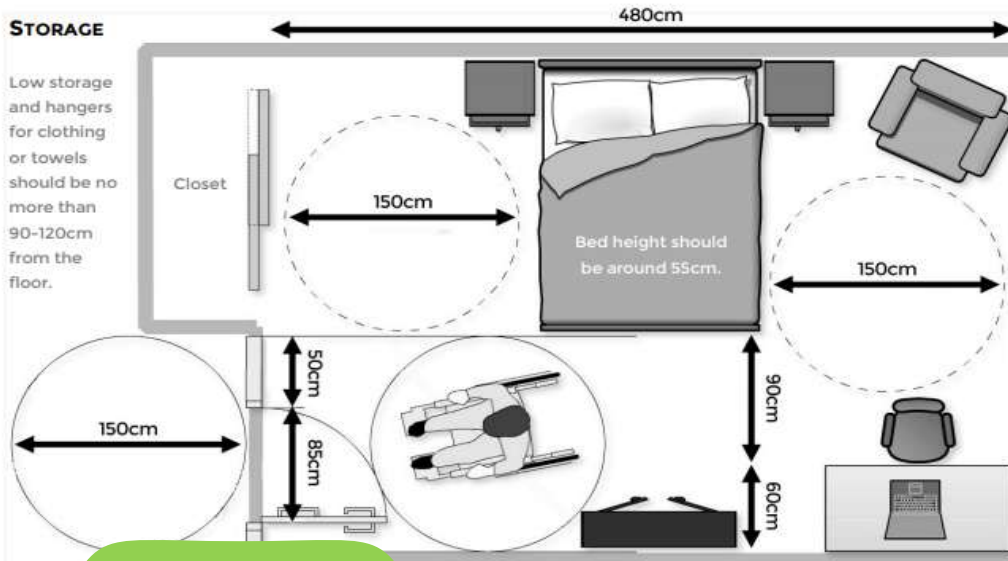


Self Dependent  
Elderly and PWD



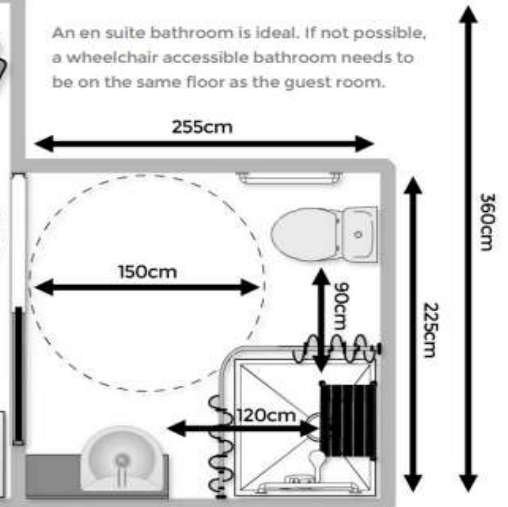
## STORAGE

Low storage and hangers for clothing or towels should be no more than 90-120cm from the floor.



## BATHROOM

An en suite bathroom is ideal. If not possible, a wheelchair accessible bathroom needs to be on the same floor as the guest room.



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**WIDER SPACES  
and  
SMARTER DESIGN**



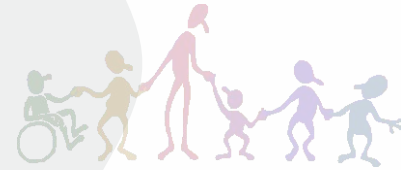
WIDER SPACES and Doorways In dwellings, work place, shopping areas and transportation means etc. in such a way that would always add to the convenience and ease of movement for People with disability (PWD).








Additionally, Using Floor embedded Guides, Clear signages, Ramps, Proper Hand-rails, Big Push Buttons as well as Braille descriptions with the accurate heights

# SMART G4



**SMARTER DESIGN**  
with  
**AUTOMATION**



-  Lower cabinets
-  Convenient Shelving
-  Wheel enabled Tables
-  Convenient Counters
-  Fresh Air Ventilation
-  Automated Cabinets
-  Motorized Counters



# SMART HOMES MUST BE READY FOR PWD



Homes should come first when designing any system for PWD & Elderly.



At Smart G4 labs, we should not miss the most important usage behind our smart technology and we should understand that homes comes first because most of the time that elder-ly and PWD spend would be at home usually.



And these homes Should enable our most severely injured heroes to live better with more independent lives.





## SMART G4 for PWD (BUILDING)

### SMART G4 Enabled Building Recognizes PWD:

Each Person with disability can be recognized and greeted by name for warmth. Recognition is accomplished using Bluetooth and RFID tags or the latest LEB enabled wearables of tags, bracelet, key fobs, and other.

Once the person arrives to the Building priority is automatically given to call elevator and await until PWD is inside the elevator. Floors can be selected by 3 methods with priority and time delay:

- 1– By pressing a Big Button for floor on his Chair or in elevator
- 2– By Voice command or by Knocking according to floor number needed (4 knocks = 4th floor. This same like clapper)
- 3– If none of the above (for both Blind and Deaf without Arms as example), the logic module shall automatically take the person to the floor based on his recognized tag. Waiting Platform and Elevator floor can shake to announce arrival discretely to the PWD additional to the Audio Visual announcement.





# SMART G4 for (In BUILDING)

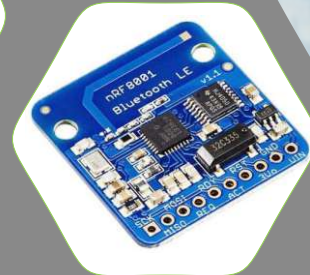
## TAGS WEARABLES



## SURFACE TOUCH



## DETECTORS SBUS



## Pressure Matt





## SMART G4 for PWD (IN CONTROL)



### **SMART G4 Enabled Apartment Recognizes and responses to PWD:**

While in the apartment, PWD or elderly shall be recognized per room, time, and activity schedule. The house shall act as a tech-bottler to serve PWD needs

The Apartment is designed and Automated with brain inside, with sensors, with voice recognition and with easy to control systems.

Motorized Bathroom Doors, Cabinet openers, Shades, and Motorized Main Door

Bathroom Logical Lock based on Pressure sensor and/or Push to lock

Special Motorized Shower Plate/Seat, and Water temperature and flow Valve con-trol Based on the PWD desired presets with start/stop big buttons and/or presence sensors and pressure mats

Adjustable Hight counters, and stove tops that can be raised and lowered

Controlled Lighting, Moods, Central heating and Air conditioning Systems that can be controlled by Presence and LEB technology also by Voice and tablets





# SMART G4 for (Automation)



Door Opener



Toilet Door System



Lights control



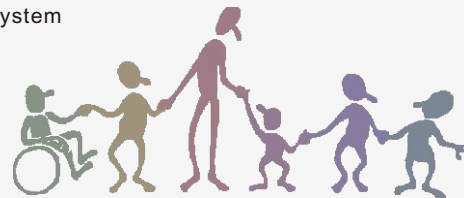
Motorized Shades



Shower System



Climate Control



# SMART G4 FOR PWD (WATCHING EYE)



## SMART G4 Enabled Apartment Recognizes and responses to PWD:

While in the apartment, PWD or elderly shall Smart G4 shall be acting as the Watching Nurse over the PWD or elderly. Smart G4 shall makes sure that all daily main routine activities and standard necessities are met and reminded.

The House Rooms and areas are equipped with sensors for motion, octopus sensors for bed, pressure sensors for toilet seats, occupancy sensors and LEB trigonometry to locate the person and track their activities electronically and discretely.

The system shall remind locally, shall alert, and shall communicate and link externally:

Reminders to take medicine and alert if not taken timely

If not go to toilet, If not Take breakfast, if not take shower, if pee in bed, if not sleep timely ...etc.

Alerts in case of water leak, Gas Leak, Fire, Panic, mistreatment, abuse or other

Reminders to Relatives by SMS and/or Push notification to call and to visit the PWD or elderly for respect and love giving boosting up their morals



# SMART G4 FOR PWD (WATCHING EYE)

G4

Occupancy



Leakage



Usage



Logic/Timer



Medicine



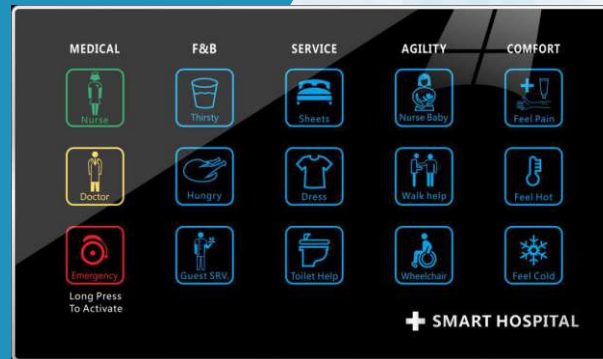
Sensors



Always Near



## SMART G4 for PWD (IN SERVICES)



### SMART G4 Help Elderly and PWD at serviced homes:

The Elderly, or person with disability may conveniently and swiftly report and re-request using voice, touch panels, and or large buttons.

Some of the commands Examples that will be automatically logged for reporting and analysis that will help improve quality of service:

I Need to Change my bed sheets, change my clothes,

I need my wheel chair, need to walk, need to shower, I need massage

I feel hungry, I feel thirsty, I have a guest, I like to visit neighbor, Watch TV

I need Assistance to walk/ to go to toilet

I am Tortured, I am Abused

I feel Pain, I feel Cold, I feel Hot

## SMART G4 for PWD (OUT SERVICES)



### Shopping, ordering food and grocery can add convenience for the elderly and PWD:

Today there are many connected electronics and appliances that has added intelligence which might be used for elderly and PWD.

With today's technology, it is possible to prepare the order, cancel items from cart and place order using touch tablets, voice commands, or even simple Button purchase for the person that is both: (Deaf and Blind)



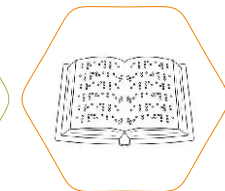
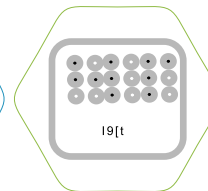
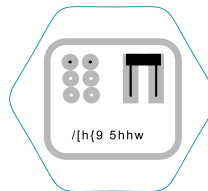
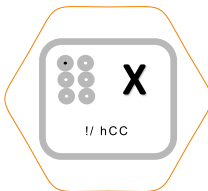
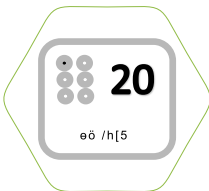
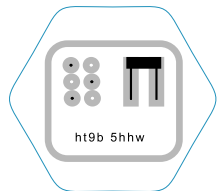


## SMART G4 for PWD (Added Value)

### Smart G4 is improving braille and Adding Symbols of Control for PWD:

Smart Labs working hard always to improve life. Since 1 out of 4 is considered as people with disability nowadays. It is very important to give more attention to improvement.

Improving braille by adding commands and direct buttons at PWD homes will definitely make it more convenient and easier to get the swift services accurately.



"By making smart home services more easily accessible to the disabled, we have great potential in reducing costs incurred in healthcare and insurance, not to mention improving the quality of life of these individuals and their families."



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