



SMART BOX



Section (B)

Smart Medical Series G4
Speciality User Interface

Smart G4 Special Projects

User Interface Catalogue II

- Smart Hospital NCS
- Emergency Code Automation
- Response Logging System
- Medical Outpatient Clinic
- Displays and Interactive systems
- Smart Dental Flow Management
- PWD and Elderly
- Smart Orphanage
- Smart SPA
- What More we can Do?



Products

BY SMART INDUSTRY NORTH AMERICA
www.smartG4control.com

Since 1986



Smart G4 Nurse Call UI

Inpatient Nurse Call System



We can name a system smart if it is connected easily and can immediately convey the message with proper reporting.

In brief:

- The Patient request his need easily
- the nurse at station gets the message needed on her station
- the supervisor gets a log on time date stamp and service time
- the management can analyze the logs and create better service trends
- the mobile nurse can get visual alerts
- the medical staff can get push notifications on their handheld devices



NCS System Flow

Patient calls nurse in comfort:

- (A) from Bedside Panel and Button
- (B) by Pull Cord in Toilet
- (C) Using wall mounted service call station
- (C+) using APP on phone/ Tablet or VIP panel

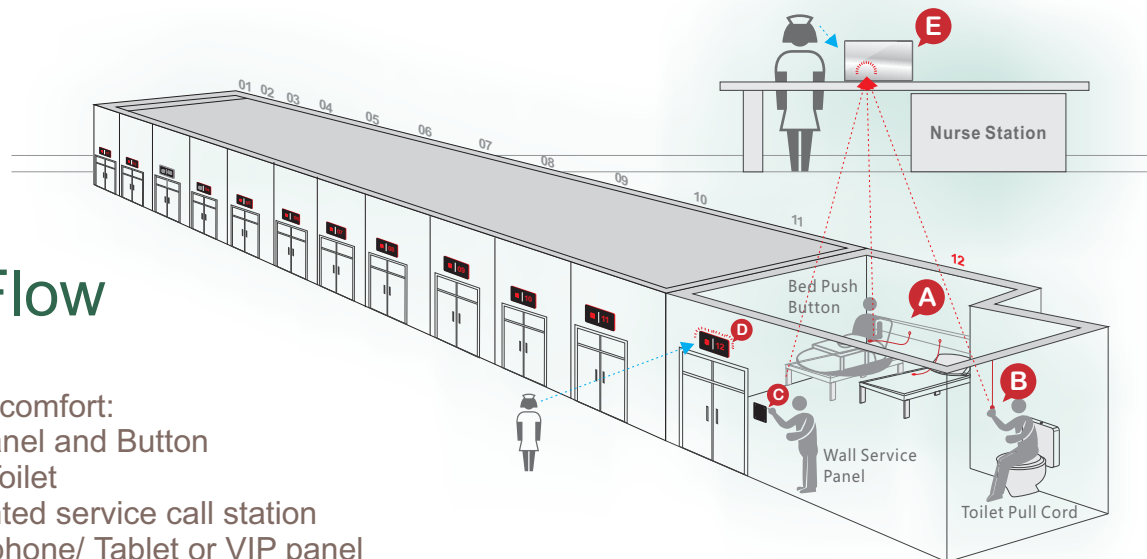
Nurse Sees and Acknowledges the Request

- (E) from Nurse Station Panel
- (E+) on Station PC
- (E+2) on Hand Held APP

Nurse Sees the Call then Confirms Physical Attendance

- (D) Sees the Door Light Color Request
- (C) from Room Service call Panel

Service request type, time, date, speed in acknowledge, attending, and time spent are all logged and reported

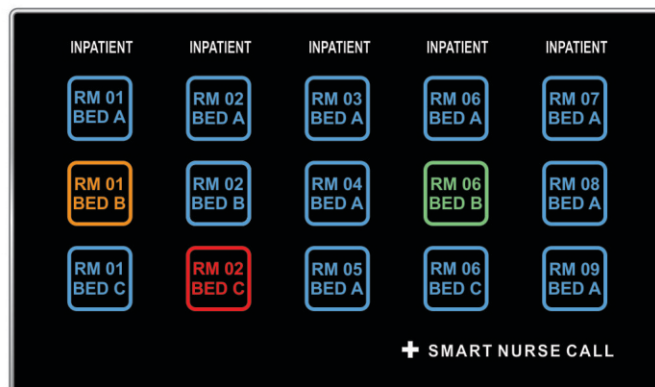
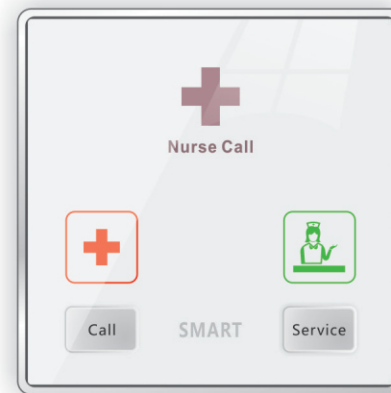


SMART BOX



Smart G4 NCS Components

- Patient Bell Bush
- In Room Nurse Call Panel
- Toilet Pull Cord
- VIP Room Nurse Call Panel or Tablet (optional)
- Room Door Panel
- Nurse Station Mimic (w/ sounder option)
- Hospital Nurse call Software
- Hospital NCS App (optional)



SB-NCStation-FL



SB-NCDoor-WL

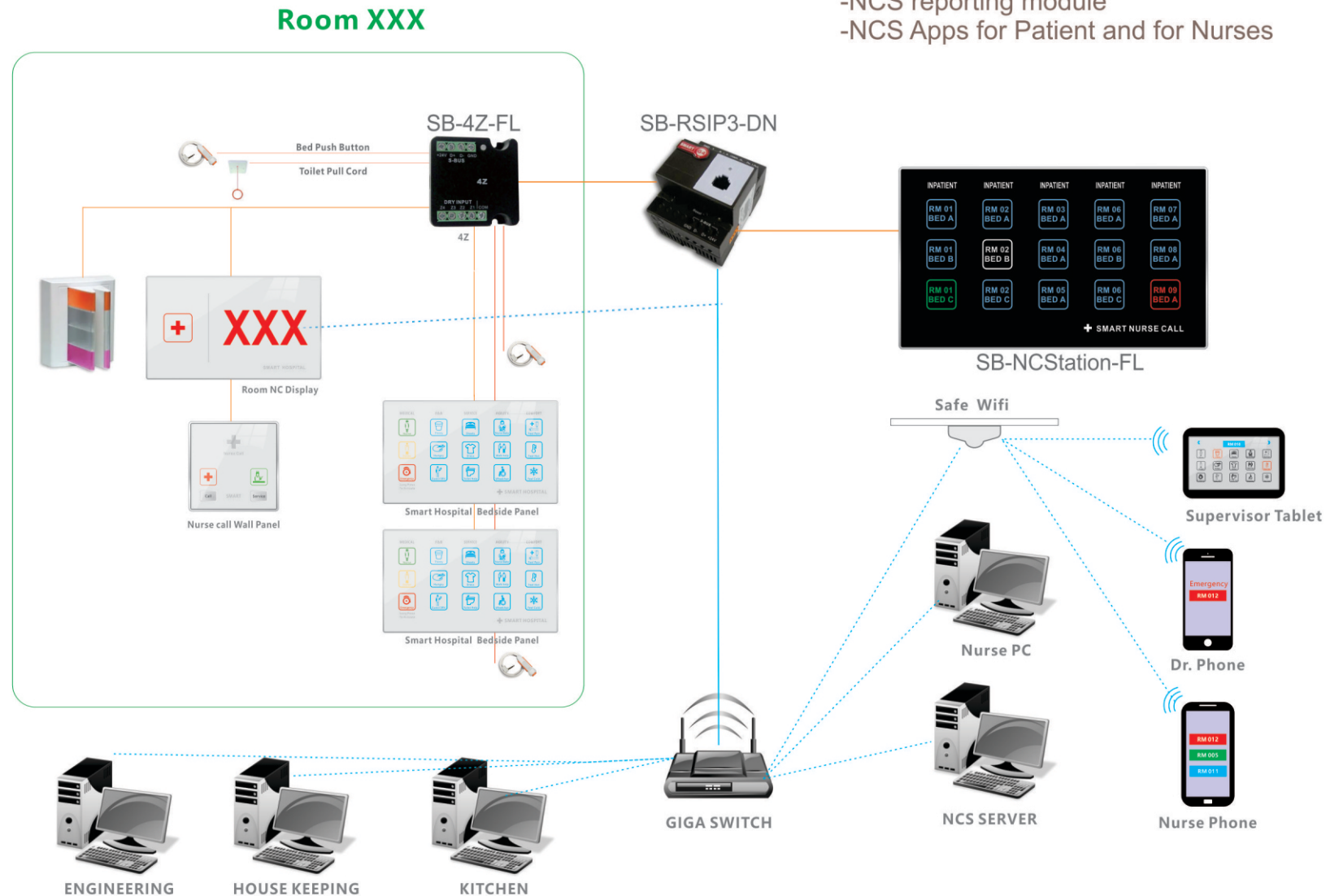


OE-4CDL-WL
OE-6CDL-WL

System Connection Diagram

Smart Group HOSPITAL NCS supports the following for convenience:

- In-Patient Nurse Call Module
- NCS reporting module
- NCS Apps for Patient and for Nurses





G4 NCS Difference SELF SERVICES الخدمات الذاتية

Nurse
Call
Lights

Service



SB-NC15TSS-WL/B

Hospital management always lack detailed information about why nurse was actually called and when is the mass request traffic, or if all complain about same issues like temperature etc

Since hospitals are considered as comfort zone that depend on service and relief quality, thus it was important to create an advanced smart hospital integral system module to handle nurse call needs in **simple and detailed** way

It was mandatory to understand the reasons for calling a nurse:

- a- Pain, Cold, Hot, (**Comfort reports**).
- b- Need to nurse my baby, I need Wheel Chair, I need Walking assistant, I need to Go to Toilet (**Mobility**)
- c- i need to change the bed sheet, change my dress, I need to shower.. (**Hygiene**)
- d- Hungry, Thirsty, i am having a guest need service (**Food and Beverage**)
- e- i need to take my medicine, i need to see my doctor, We have an emergency (**Medical Attention**)



SELF SERVICES الخدمات الذاتية

MEDICAL



Nurse

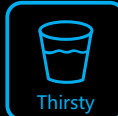


Doctor



Emergency

F&B



Thirsty



Hungry

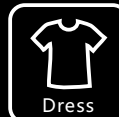


Guest SRV.

SERVICE



Sheets



Dress



Toilet Help

AGILITY



Nurse Baby



Walk help



Wheelchair

COMFORT



Feel Pain



Feel Hot



Feel Cold

Mouwasat



المواساة

I feel



SB-NC15TSS-WL/W

ACCURATE PATIENT DIETARY KITCHEN ORDERING SYSTEM



SMART BOX

Self Service Benefit:

- Saves Money
- Improves Service Time
- Satisfies Patients
- Decrease Stress off Nurses
- Improve Hospital Rating
- Staff Shifts Planning

KITCHEN RATINGS:

- RECEIVE orders accurately
- Responds Timely
- Plans Easily
- Generate Reports
- Improve Staff Shift Planning



KITCHEN

ENGINEERING RATINGS:

- RECEIVE Complaints accurately
- Responds Timely
- Plans Easily
- Generate Reports
- Improve Staff Shift Planning



ENGINEERING



HOUSE KEEPING

HOUSEKEEPING RATINGS:

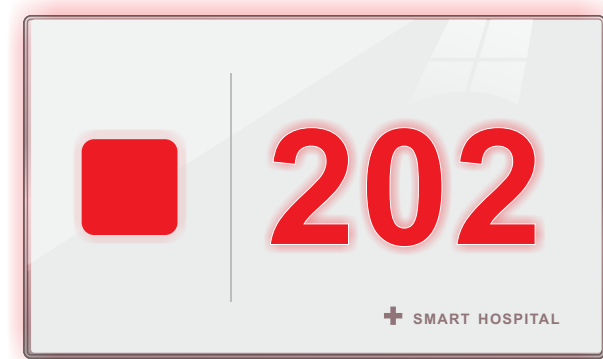
- RECEIVE Service requests
- Responds Timely
- Plans Easily
- Generate Reports
- Improve Staff Shift Planning

SELF SERVICES الخدمات الذاتية Mouwasat المواساة		11:30AM KITCHEN		
BREAKFAST	07:00AM	MWNCS1 PW02B02 MW01B01 Cw01		
SNACK 1	10:00AM			
LUNCH	12:01PM			
SNACK 2	03:00PM			
DINNER	06:00PM			
SNACK 3	08:00PM	36	18	12
SELF SERVICE		RESPONSE 90 seconds 1HR CALLS 56 requests		

SELF SERVICES الخدمات الذاتية Mouwasat المواساة		11:30AM HOUSE KEEPING					
		MW01B01	MW01B01 MWNCS1		MW01B01	MW01B01 PW02B02	IS0301
		3	3	1	6	4	2
SELF SERVICE		RESPONSE 78 seconds 1HR CALLS 19 requests					



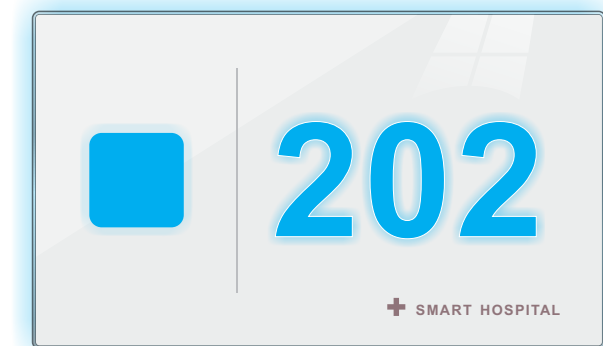
Why G4 NCS is Like no other



Service Needed



Service on going



Normal Status

- Uniquely lighted panel with techno look
- Easy to view Sideways and Front side
- Easy to recognize 5 Color patterns
 - Blue = Normal
 - Green Blinking = Nurse is coming
 - Green = Nurse is inside attending
 - Red = No one acknowledged Call request yet
 - Red Blinking = Emergency / code blue
- Customizable to include Hospital/Clinic Logo/Name
- Detailed reporting and analytics that no other system can give yet
- Easy and fast to Install and very affordable investment.

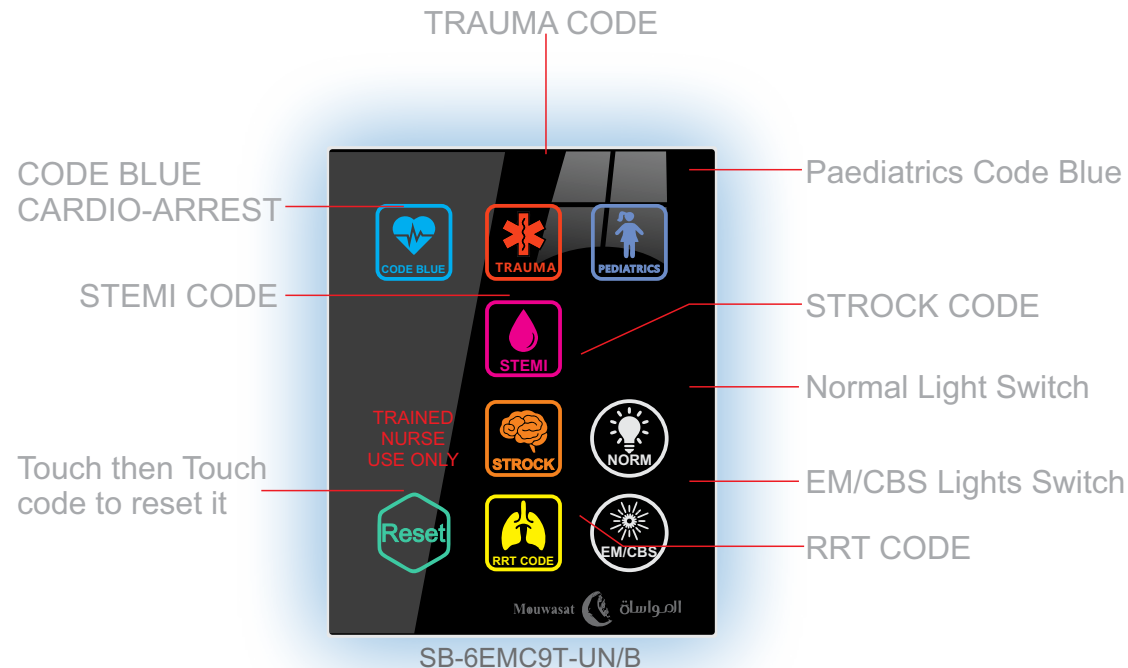


EMERGENCY MEDICAL CODES SYSTEM



Our System will deliver the Emergency code with time /Date stamp swiftly and accurately to all concerned Medical staff.

Avoid Delyas
Avoid Failure
Be Assured ..



Fully Automated Process.

Once Panel icon is Long Pressed (By Medical Staff)

* Optional (Face/Card) Extra Secure activation

-Nurse Station Shall Alert

-PA System Shall Announce Emergency Code Type and Location

-SMS Will Be sent to All Concerned medical Staff with ECT and Ward/Room Details

-Control Room Will Be alerted with On Screen Message (with Logging stamped)

-Control Room will Voice Call the Duty Dr. as standard with affirmation (Voice Recording/Logging)

-Face recognition Device shall confirm Duty Dr. Arrival at Location (Time date stamped)

SMART BOX



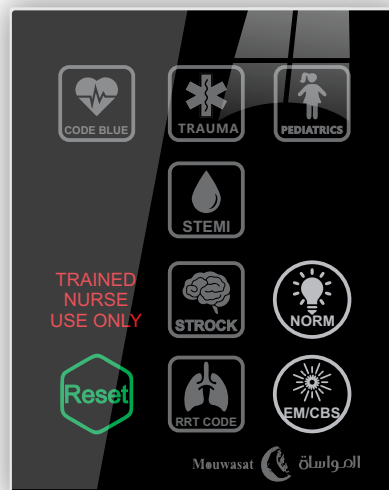
EMERGENCY MEDICAL CODES SYSTEM



LOOKS DURING SYSTEM RESET



SB-6EMC+1NC3S11T-UN/B



SB-6EMC+2L9T-UN/B

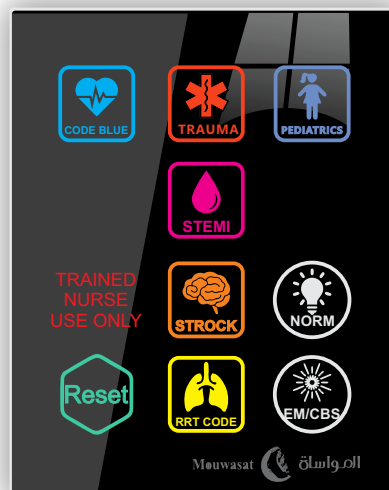


SB-6EMC+DOOR4S-UN/W

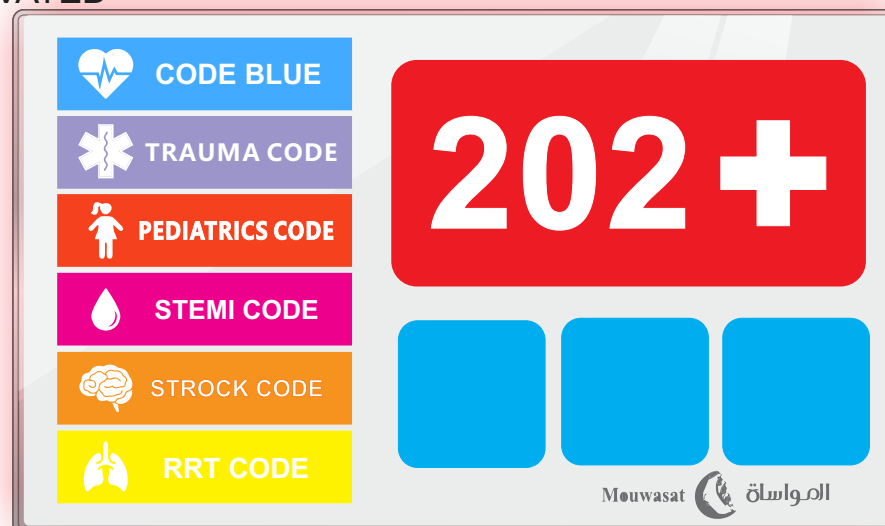
SYSTEM ACTIVATED



SB-6EMC+1NC3S11T-UN/B



SB-6EMC+2L9T-UN/B



SB-6EMC+DOOR4S-UN/W

EMERGENCY MEDICAL CODES SYSTEM

WIRING SL DIAGRAM



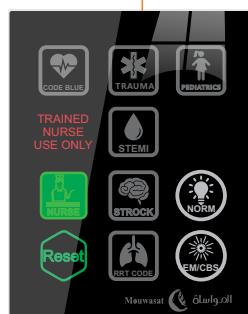
Curtain Motors
Or Privacy Film

FCU CLIMATE
Air CONTROL

Room Lights
Control Sys



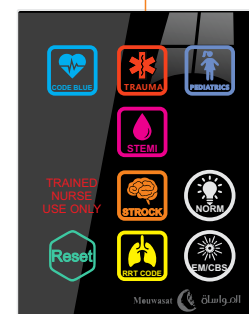
Room Door PANEL



SB-6EMC+1NC2L10T-UN/B



SB-6EMC+1NC3S11T-UN/B



SB-6EMC+2L9T-UN/B

Dr. Arrival Confirmation Face Logger



White+IR leds

Dual sensor

7"IPS



Forehead Temperature Measuring

Speaker

Area of IC/ID card read



SMS Module



ZAudio-Studio
Recorded Prompts



PA System



CONTROL CENTER
Main Server



Phone System



Voice Logger

SMART BOX



Emergency Room
SP Call Response Tracking

SP RESPONSE LOGGER SYSTEM



How It Works?

Once ER Calls the SP Response Time of SP is Calculated based on Arrival Face Signature and Time stamp of Call or SMS trigger.



Dr. Arrival Confirmation Face Logger





NCS Software and APP Option



Smart Hospital v0.8 (Beta)

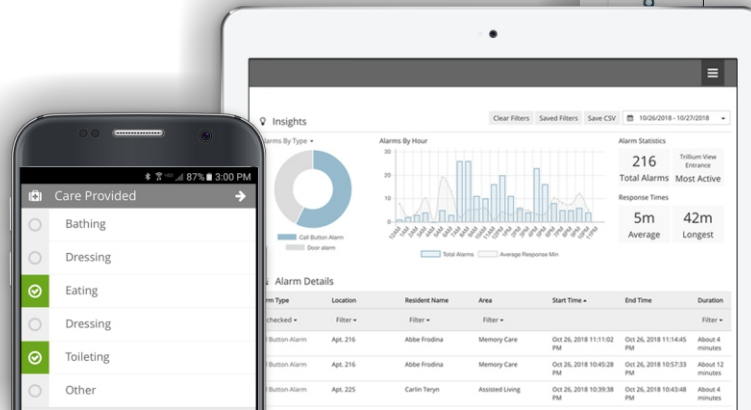
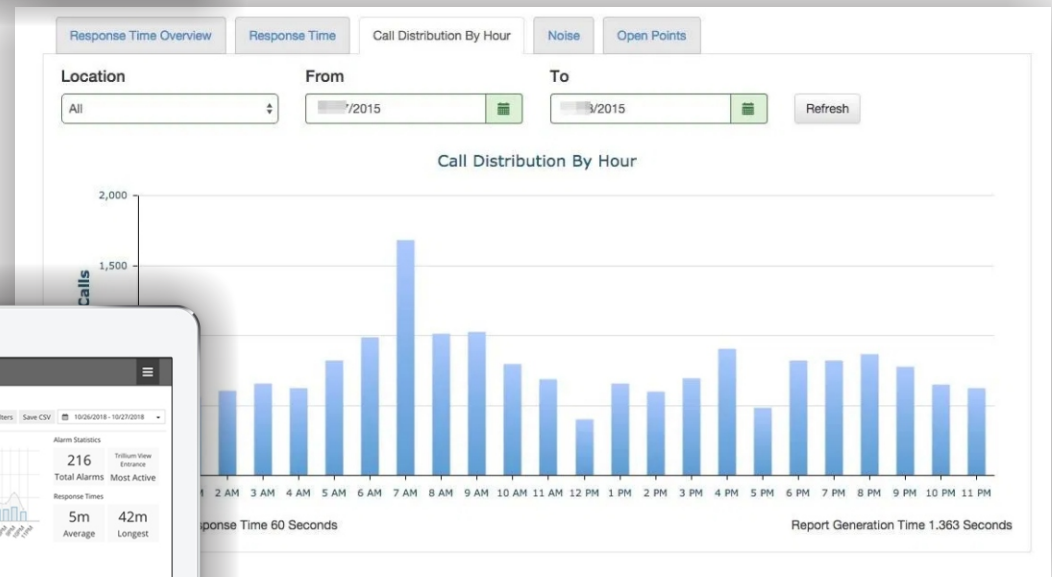


Username:

Password:

OK Exit

Smart Hospital			Service	DateTime	Total
RoomBeds	DateTime	Services			
Room#01 Bed#01	09/02/2017 14:45			09/02/2017 14:45:58	3
Room#01 Bed#02	09/02/2017 14:40			09/02/2017 14:44:15	2
VIP#01 Bed#01	09/02/2017 14:46			09/02/2017 14:44:14	1
VIP#01 Bed#02	09/02/2017 14:40			09/02/2017 14:46:01	1
				09/02/2017 14:44:17	0
				09/02/2017 14:44:16	0
				09/02/2017 14:45:02	1
				09/02/2017 14:44:09	0
				09/02/2017 14:44:18	0
				09/02/2017 14:44:52	2
				09/02/2017 14:44:20	1
				09/02/2017 14:44:19	0



Outpatient Smart Clinic G4

Big and clear
Backlit
Techno.



Smart G4
Outpatient Clinic UI

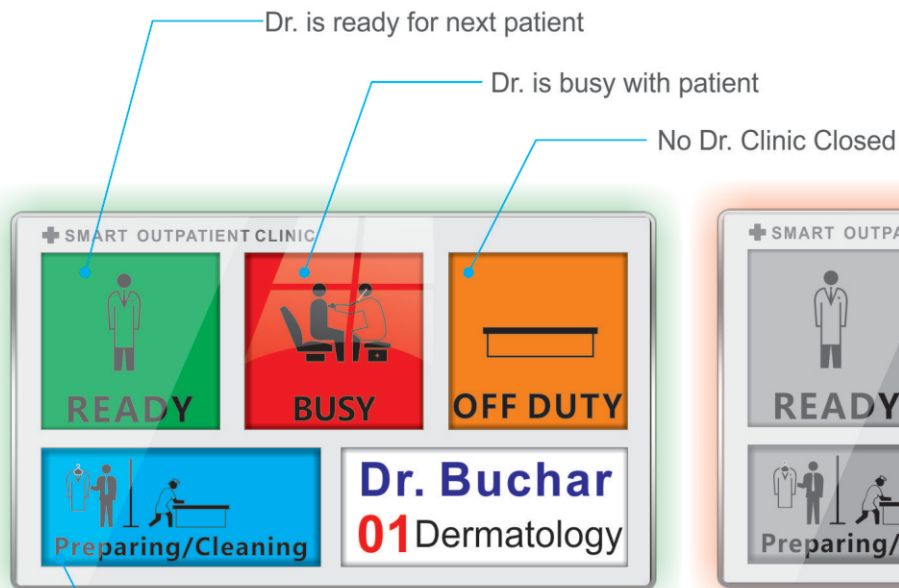


- Techno Look
- Integral Clinic status display
 - Clinic is Off Duty
 - Dr. Ready welcome
 - Dr. Busy with patient
 - Clinic under cleaning preparing for Next patient
- Clinic medical speciality
- Dr. Name on Signage with easy to update and change ability.

Give the waiting patients clear status on clinic activity. Let the patient be part of the process.

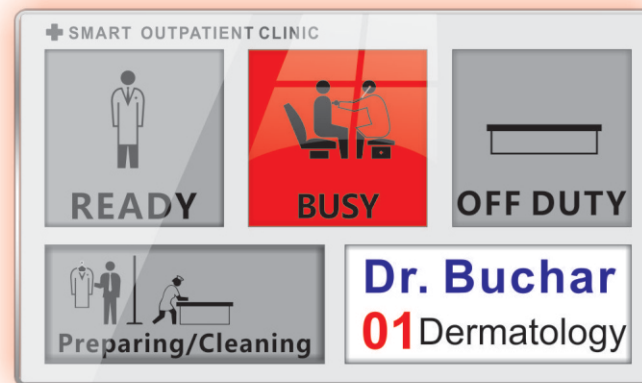


SB-DR4T-WL

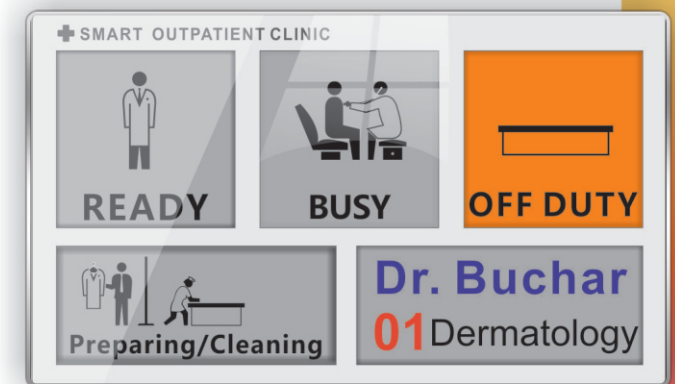


SB-DrDoor-WL

Clinic is under cleaning preparing for next patient



Dr. Busy with Patient



Clinic is Off Duty/ No Dr.

Outpatient Smart Clinic G4 with Integrated Signage Board

This Panel Can Be Mounted on Door or Onwall Direct Next to Door as Outpatient Clinic Signage

13" - 35"
or custom

Clinic Activity
Status Display

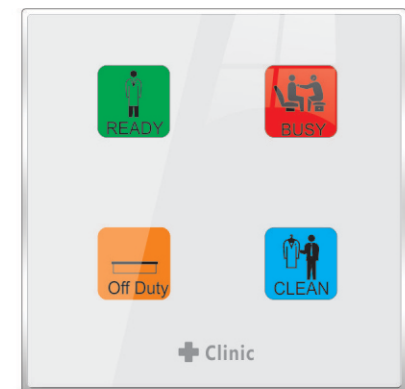
CLINIC
LABORATORY
X-RAY
Therapy
Pharmacy

Dynamic Display
SP Biography &
Special Packages

SMART BOX



Dr. Clinic Panel to Display Clinic Status



Streams Videos, and Streams
Slide show and packages

Outpatient Smart Clinic G4 Interactive Info. Screens and Tables



Hospital Information
Departments
Doctors Biography
Special Visitors
Health Packages
Department Packages
Membership
Videos
and more

Touch to Brows your needs



Wall Type
Standing Type
Table Type
Kiosk Type



Lab Occupancy - Outpatient



Custom Controls

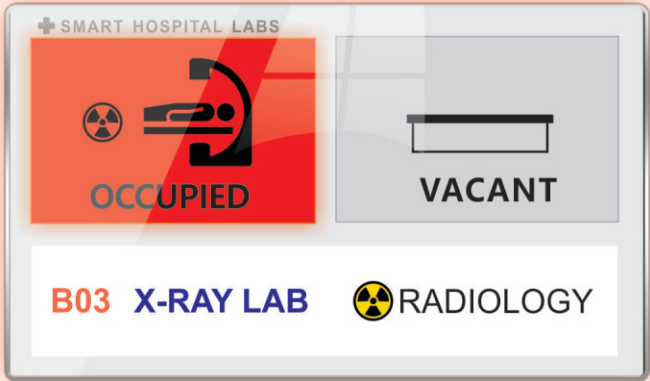
- Chemistry LAB
- Radiology LAB
- Haematology LAB
- Microbiology LAB
- Immunology LAB
- Cytology LAB
- and other..



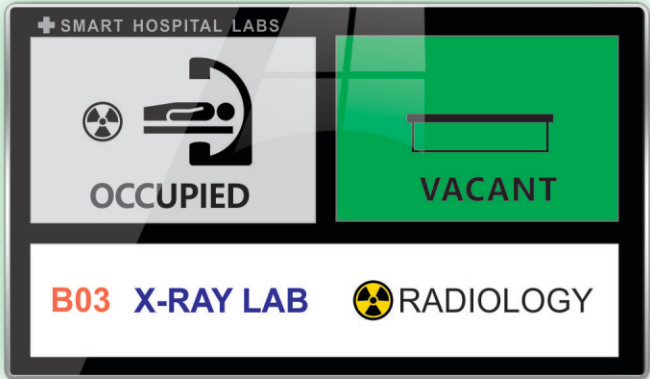
SB-LAB3T-WL/W



SB-LAB3T-WL/B



SB-LABDoor-WL/B



SB-LABDoor-WL/B

Media Queue - Outpatient EZ Clinic & Lab Queueing System



Complete Package (Tablet, Printer, Q-Serve)
Affordable, expandable, and simple
Fast and easy to Deploy in Minutes
Can connect to 2 types of displays
Can display on multiple screens/areas
browser ready for patient number call

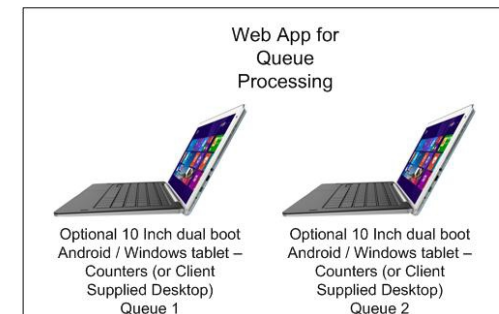
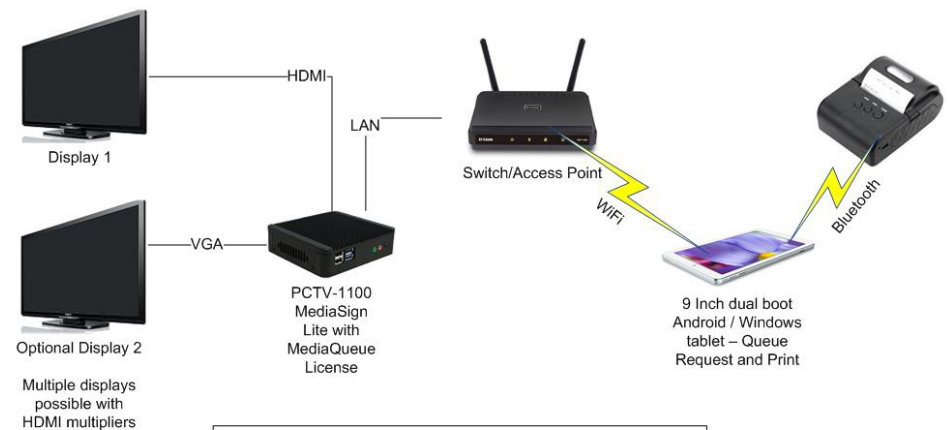


SS-MediaQueue-PKG

Package Includes it all:

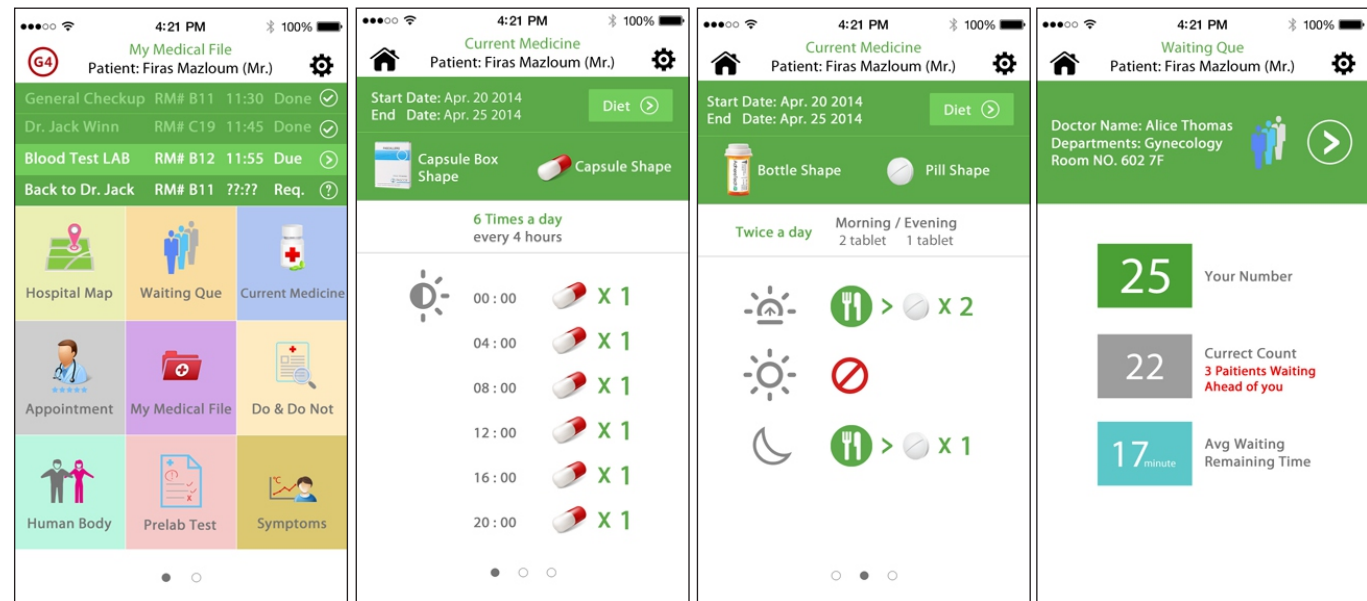
MediaQueue SRV
MediaQueue Licence
Dual Boot Tablet
Token Printer (Option)
Queuing System App and SW

Just link to your Display and Browsers



APPS AND EASY SOFTWARE

Several Simple and user friendly apps and software are made to serve all hospital and patient daily needs



Dental Clinic Flow Management (DCFM)



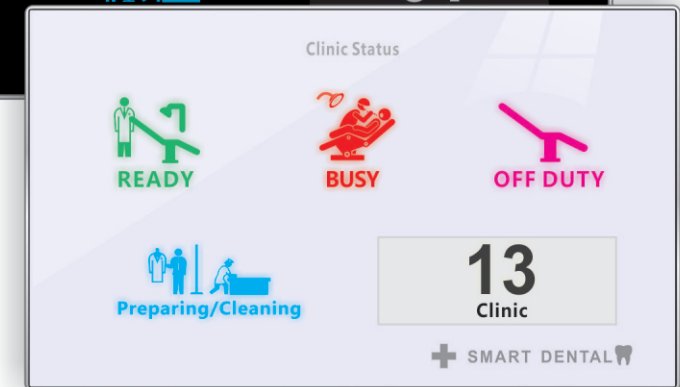
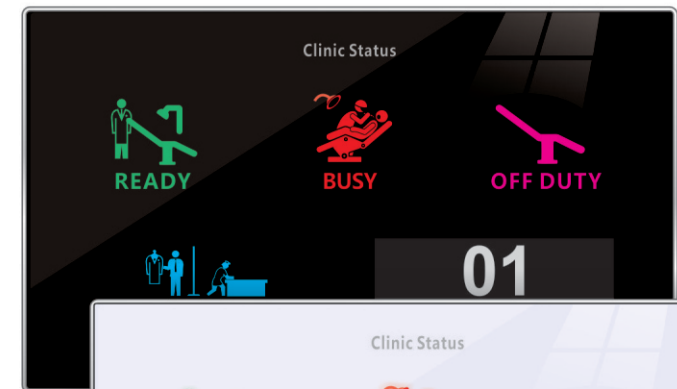
Smart G4
Dental Clinic UI

DCMF by G4



- **One Single DCFM panel can Handle**
4 Hygienist
1 X-Ray & Laboratory
15 Clinics that can be categorized
w/ easy labeling ideas

- Make your Dental Clinic more efficient
- Minimise wastage
- Add techno-Lifestyle image
- Get informed about ready patient & Dr. needed calls

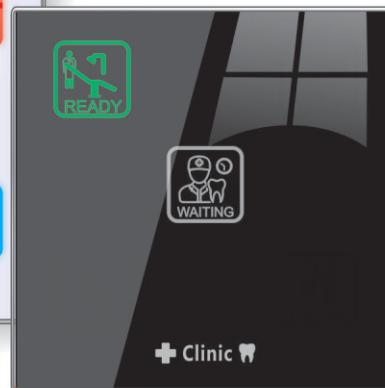


Clinic Door Panel
SB-DrDoor-WL

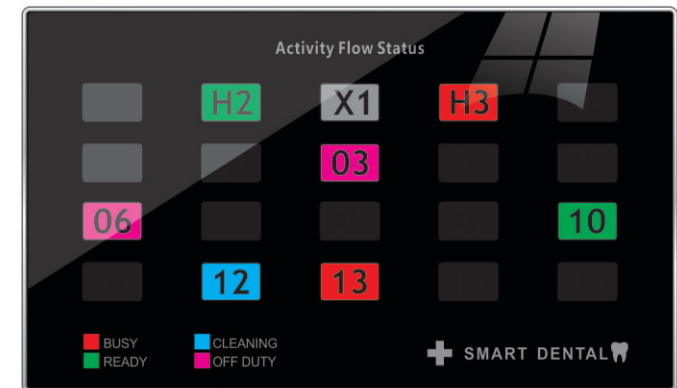


Clinic Nurse Panel
SB-DR4T-WL

Hygienist & Lab Panel



Hygienist & Lab Panel
SB-HYG5T-WL

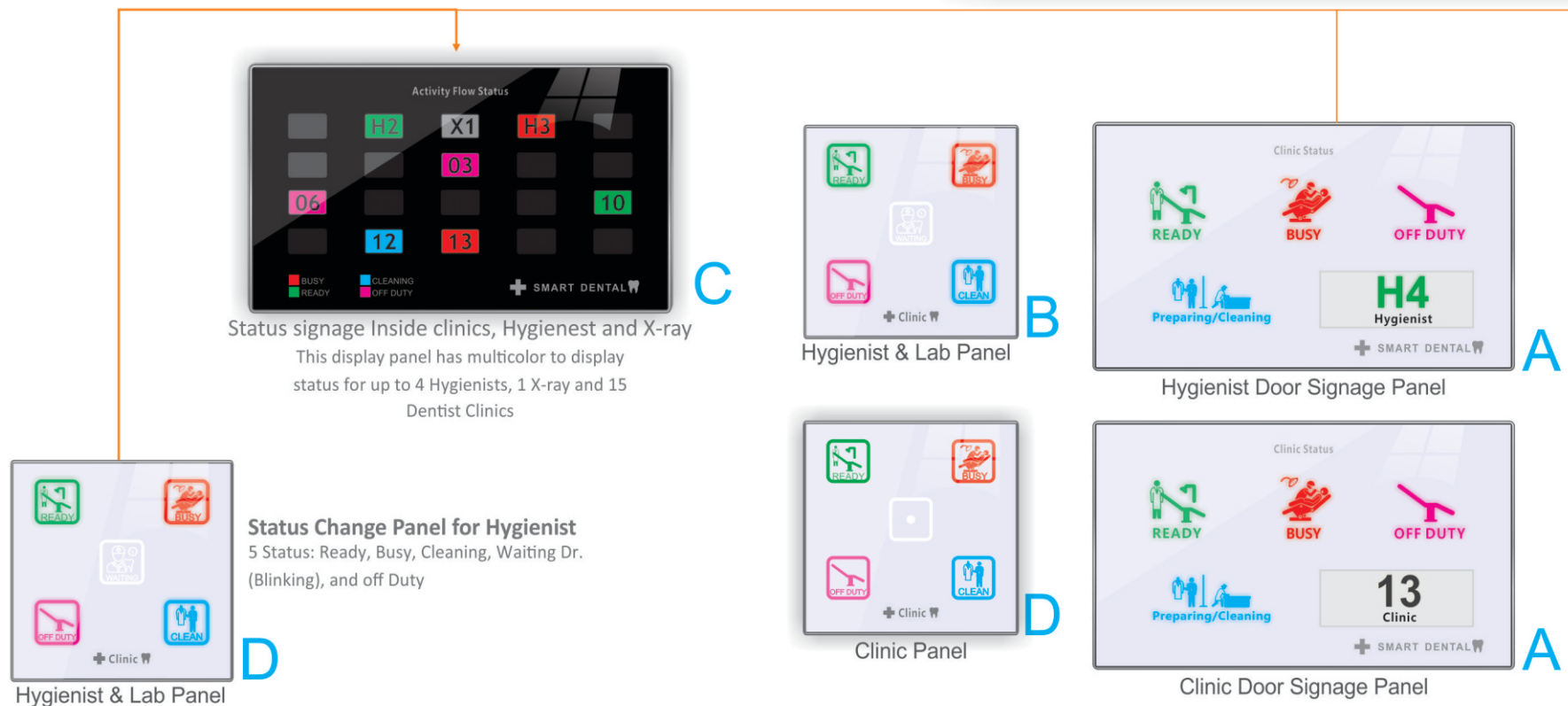


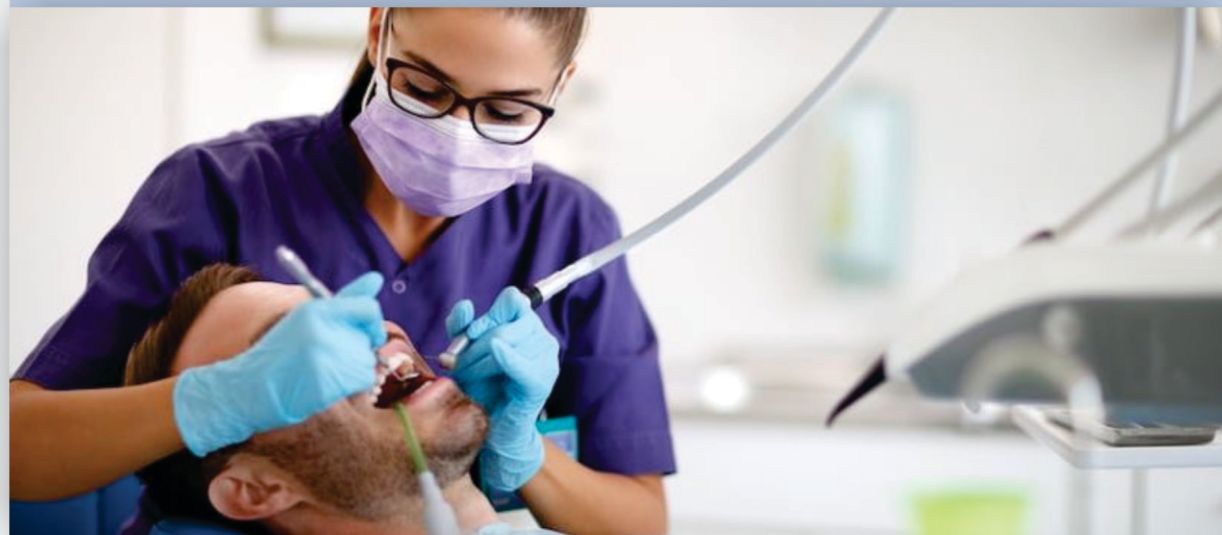
Clinic Flow Inside Each clinic , Admin, Receptionist
SB-RmStatus-WL

Why need DCFM system?

Dental Clinics in western world mainly vary in size, number of doctors and number of chairs. Mostly, a single dentist would be able to serve as many as 15 chairs provided he has the efficient work flow on demand system.

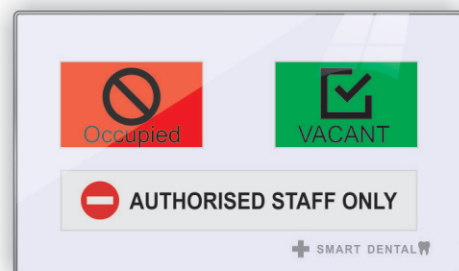
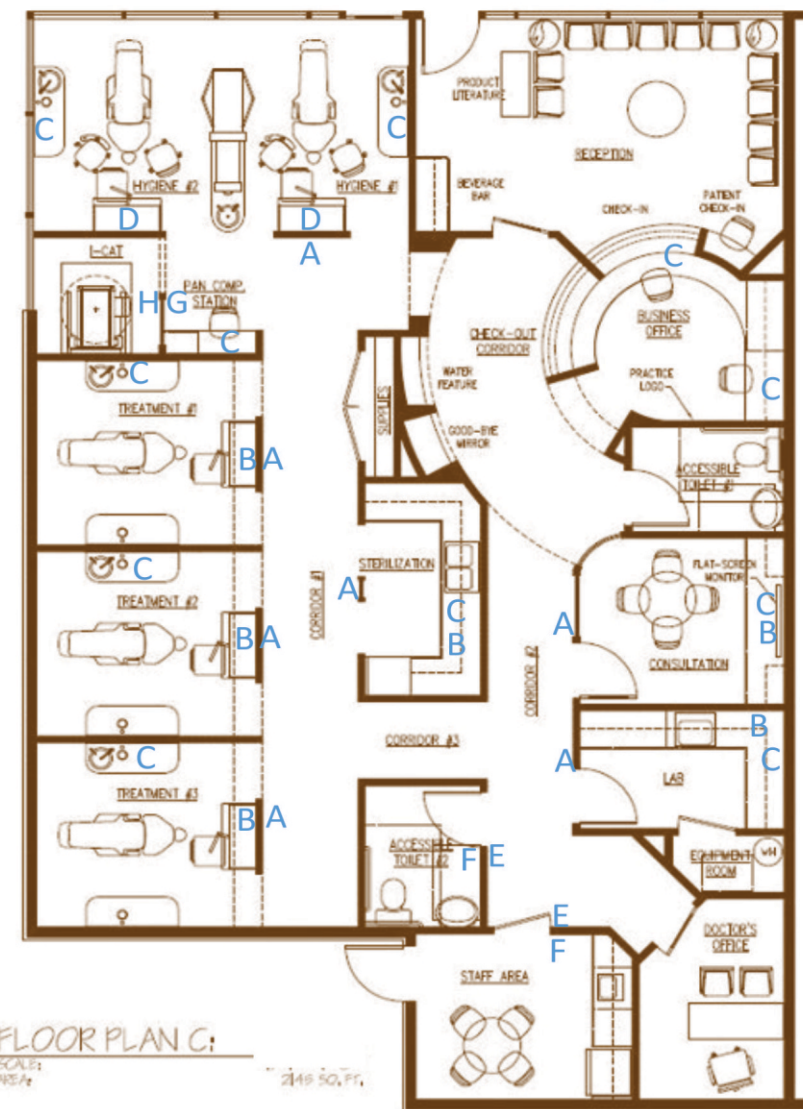
Smart G4 Canada has designed a system that is customized to fit small to large dental clinic sizes adding maximum efficiency and technological look and feel to the clinic. Such system would help not only the dentist, but also the administration, nurses and hygienist as well as lab and x-ray to have more efficient and active flow on demand within their dental clinic workspace.





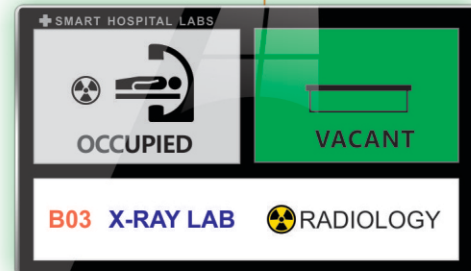
Hygienist at work

DCFM Panels Distribution Example



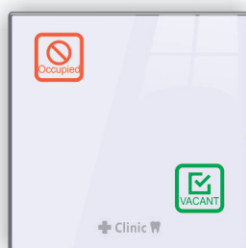
SB-RmDoor-WL/W
for staff room Door

E



SB-LABDoor-WL/B
for I-CAT Door

G



SB-RM2T-WL
Staff Room Panel

F



SB-LAB5T-WL/W
Dental Lab activity Panel

D



SB-LAB3T-WL/B
for I-CAT Room

H

People with Disability and Elderly

Smart G4
PWD & Elderly UI



Many solutions. One target

SMARTER
AUTOMATED
SAFER – Fire, Gas, Water Leak, Panic
HAPPIER – Connected family, self confidence
CONNECTED – SMS, PUSH alerts, Shopping +
CONVENIENT – Easy for all, flexible
HEALTHIER – Temperature, Fresh air, Hygiene, Life habits
WIDER SPACES – Convenience of Movement
LOWER HEALTHCARE BILLS – Self Dependent Elderly & PWD



BIO-X Elevator & Apartment Entry
Recognise - Call Elevator - Vibrate -
Recognise - Release apartment door



SS-BioX-WL

Read more in the specialized presentation
booklet for PWD and Elderly G4 solutions.



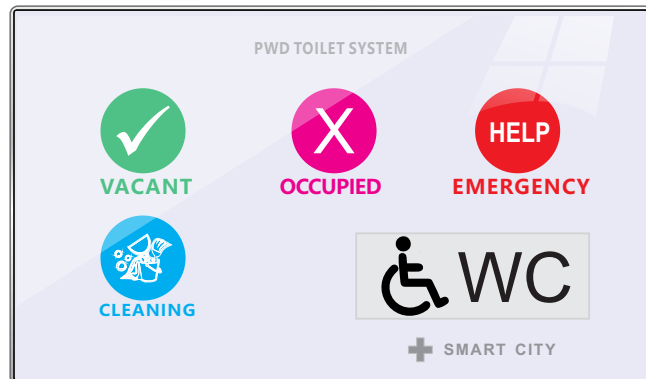
Smart G4 Apps



SS-BioX-WL

PWD Toilet solution

Proximity sensors for public
Bio-x face access for private
 Motorized toilet door on detection
 Automated lock & occupied signage after entry
 Easy occupancy and flush for toilet seat
 Emergency panic pull cord and large button
 (This also releases door Lock)
 Easy Exit button or Proximity beam



SB-WCDoor-WL



SB-WCExit-WL



Elderly at Home

Keep in Touch with Grand parents

When did My Grandparent wake up?

Has my grand parent Go to Toilet ?

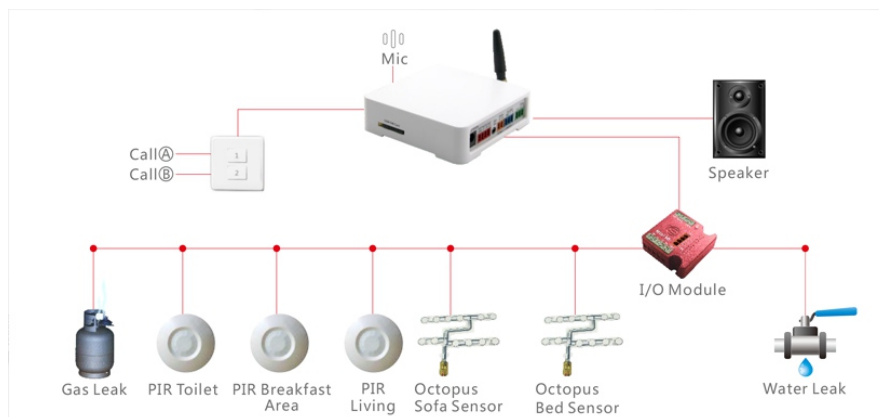
Did my grandparent take breakfast?

Has my Grand parent take the medicine timely?

Get Alerted and be in touch

Easy Push to call one button for Grandparents

Monitor grandparents home safety and maintenance



Elderly Systems Categories:

- Self supported Elderly living alone at their own smart residence
- Old people that are living at Elderly homes
- and Elderly living at home with working children

Smart Group provides solutions to help all categories in full care and within budget.

Smart Orphanage Solution

Smart G4 Orphanage UI



SB-Orphanage15-WL/B

Connected to CCTV and remote alerting system makes the whole solution Bullet proof where every thing is logged with time date stamps.

Works with RSIP3 and SMS modules
Contact us for details



SB-Orphanage15-WL/W

Smart Orphanage is designed putting in mind orphans safety and feel of connectivity to the world. Now no one can threaten, abuse, nor bully any orphan anymore, thanks to Smart G4 Orphanage reporting system.

Our System connects via multiple ways through Internet, 3G/4G/ SMS and more.

(Enabling orphans to Report discretely and directly)

Contentiously Feel: hungry, thirsty, scared?

Reporting Hygiene issues: All are sick, Place is dirty, lots of pests and rats.

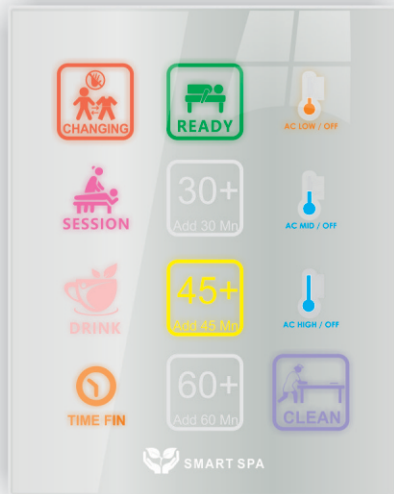
Longing need: for sports, for an outing, for repairs

We always feel: Hot, Cold, Sad

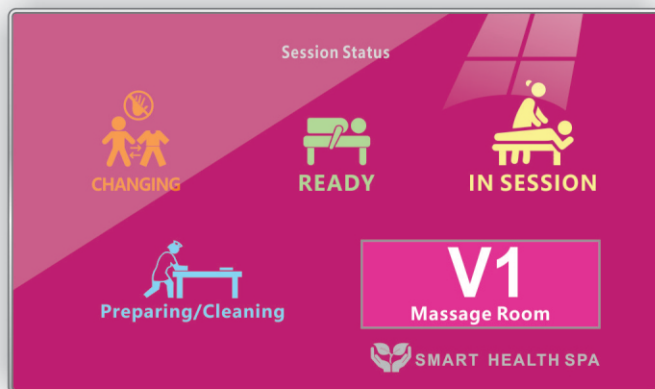
Reporting Abuse: by threatening, hitting, sexual abuse..

Smart HEALTH SPA Solution

Announce Session start
Alerts 5 Minutes before session ends
Extend session 30, 45, 60 minutes
Announce session end



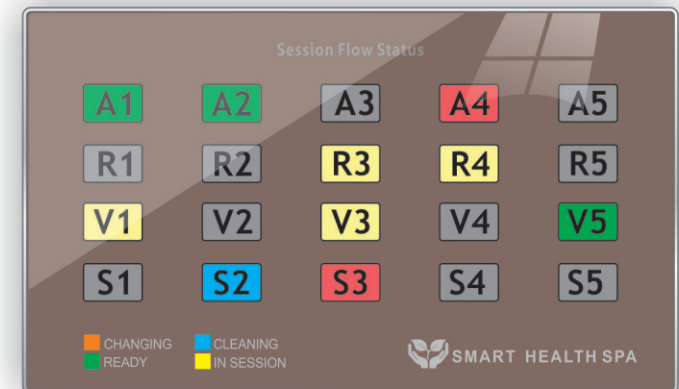
SB-12T-UN/SPA



SB-SPADoor-WL



SB-RmStatus-WL/SPA

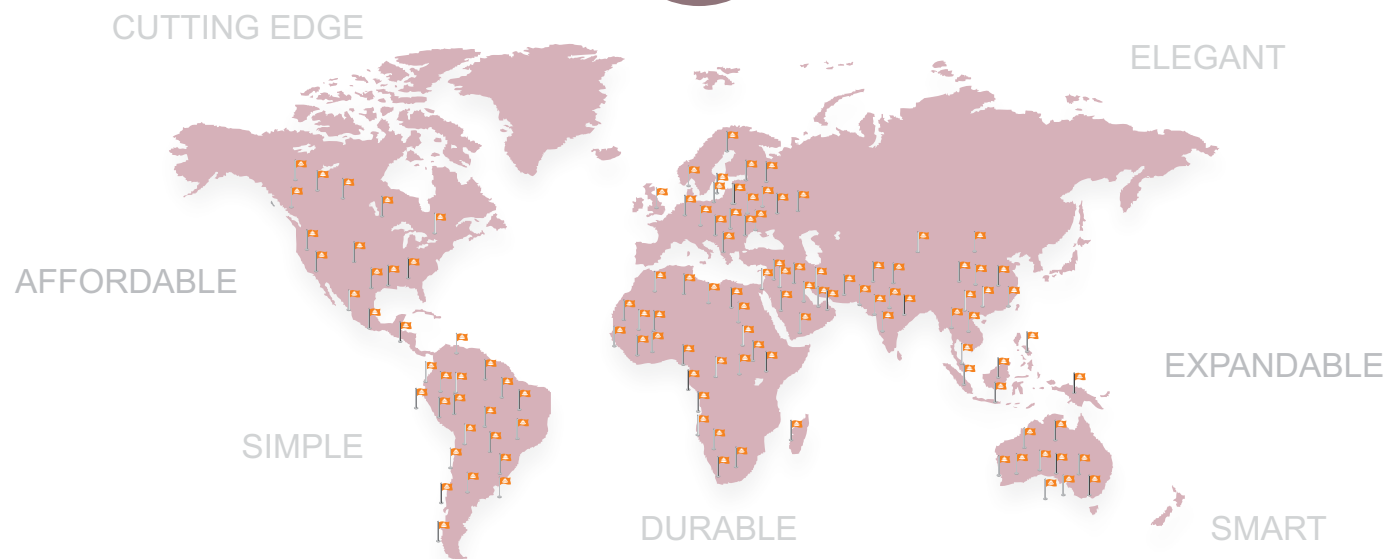


SB-SPAStation-WL

What we can do more?

- 1- Building Facade Lighting and Signage-board Scheduling
- 2- Board Room Paperless meeting system and Conferencing
- 3- Portable Translation Devices
- 4- Infants Secure Tracking System
- 5- Staff 3D Tracking and logging system
- 6- Special Custom Manufacturing Solutions
- 7- Signage Boards, LCD Wall and More





www.smartG4control.com



SMART Group Americas



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