



Revolutionizing Patient Care Through Intelligent, Interoperable Healthcare Facilities

Tuesday, October 1st

FPC
FLORIDA PLANS &
CONSTRUCTION
SEMINAR + EXPO

Ai IMPACT ON HEALTH CARE
DESIGN & CONSTRUCTION



PRESENTERS:



Roy Hoffman:

Roy Hoffman brings over 35 years of expertise in the Building Controls and Energy Management industry. Beginning his career in 1988 as an Electrical Controls Engineer, Roy has since earned his Electrical Contracting License and become a Certified Energy Manager through the Association of Energy Engineers (AEE). He holds numerous additional certifications, all of which enable him to guide customers towards sustainability, energy efficiency, and decarbonization solutions using advanced technology and Artificial Intelligence (AI).

Since joining Stark Tech in 2019 as the Vice President of Business Development for the Southeast region, Roy has significantly enriched our team with his extensive knowledge and experience.



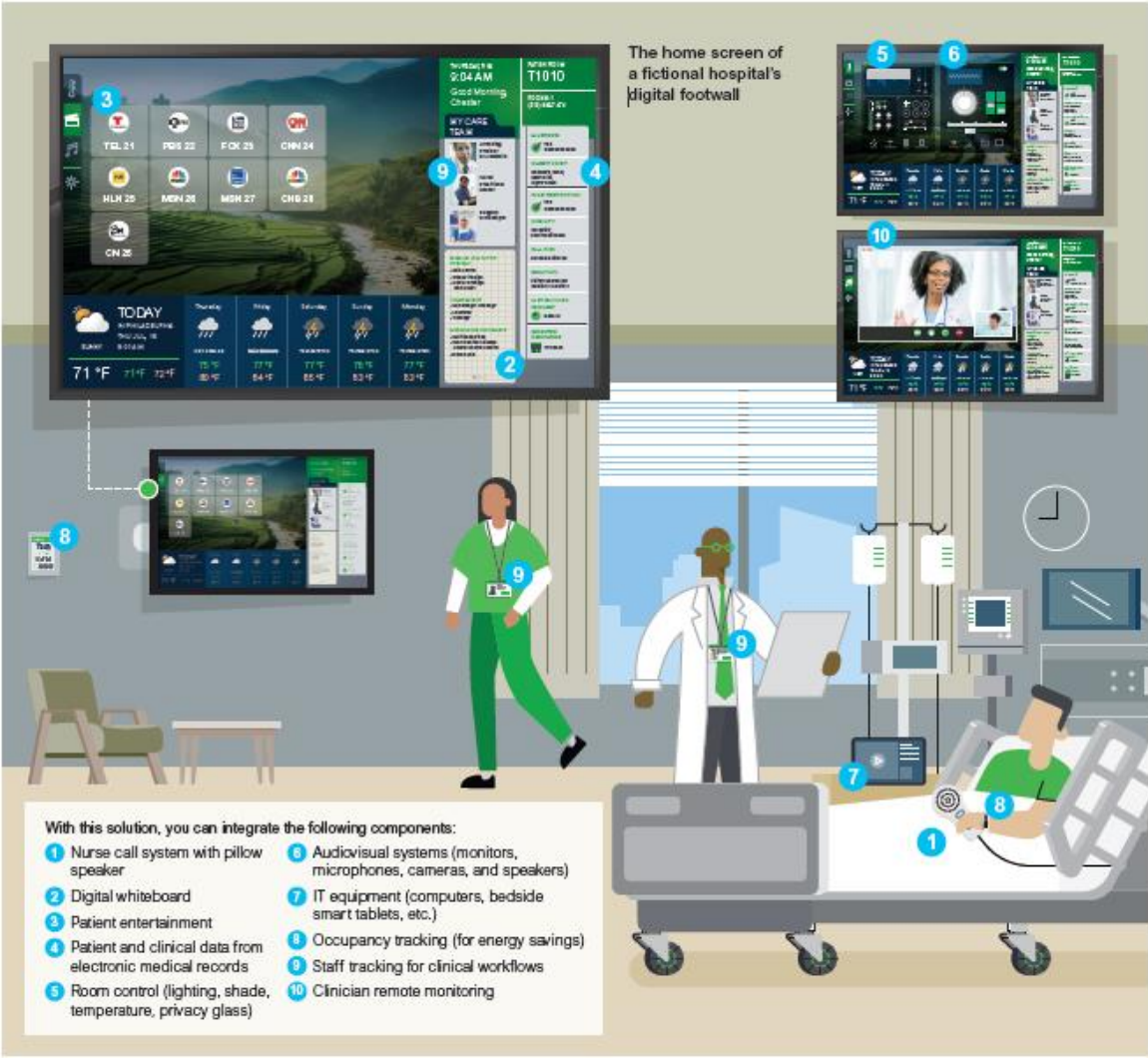
Braheem Santos:

Braheem Santos is currently the Healthcare Strategic Account Executive with Schneider Electric having joined from Penn Medicine. In this role, he helps to understand the needs of Strategic Healthcare Systems to best approach them with the most appropriate technology/electrical solutions.

Previous to his current role, Braheem was most recently the Associate Director of Physical Plant for Penn Medicine's Hospital of the University of Pennsylvania (HUP) which followed his role as the Major Projects Engineering Manager for the Pavilion Project. He has a demonstrated history of working in the hospital & healthcare industry to produce, sustain and innovate patient care facilities.

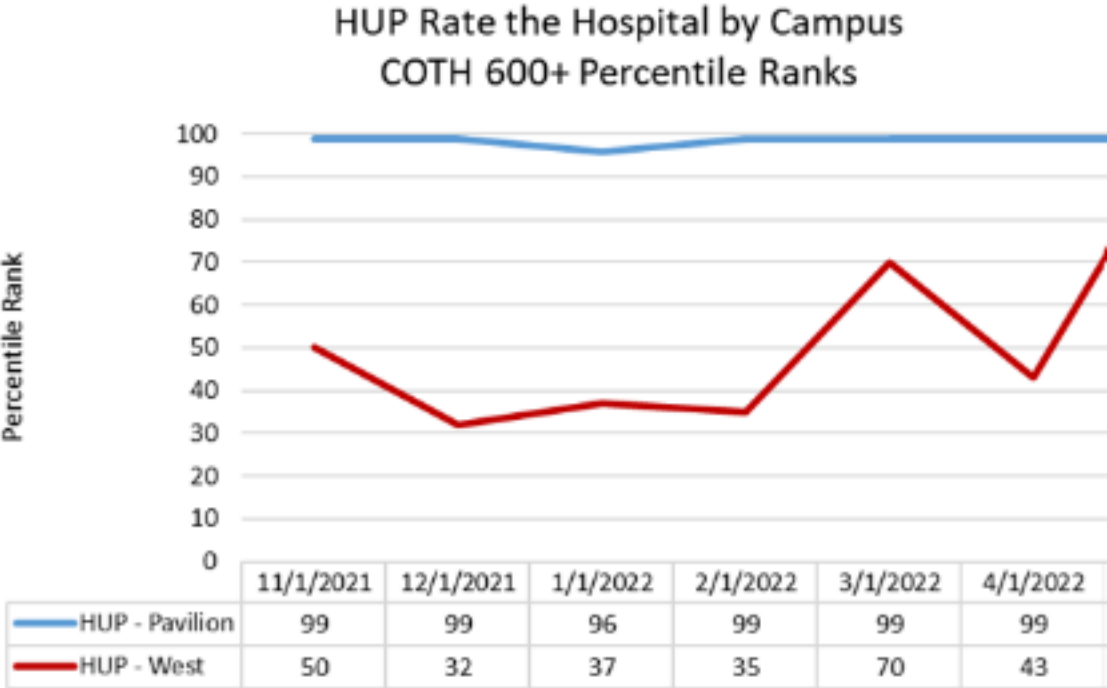
Braheem earned his BS focused in Mechanical Engineering from Drexel University. He is a proud member of the Association of Medical Facility Professionals (AMFP) and American Society for Healthcare Engineering (ASHE).

Panel Discussion on Smart Hospitals/Patient Room Experience



Council of Teaching Hospitals (COTH)

Rate the Hospital – Post-Pavilion



2X

Improvement!



Penn Medicine

MEET IRIS



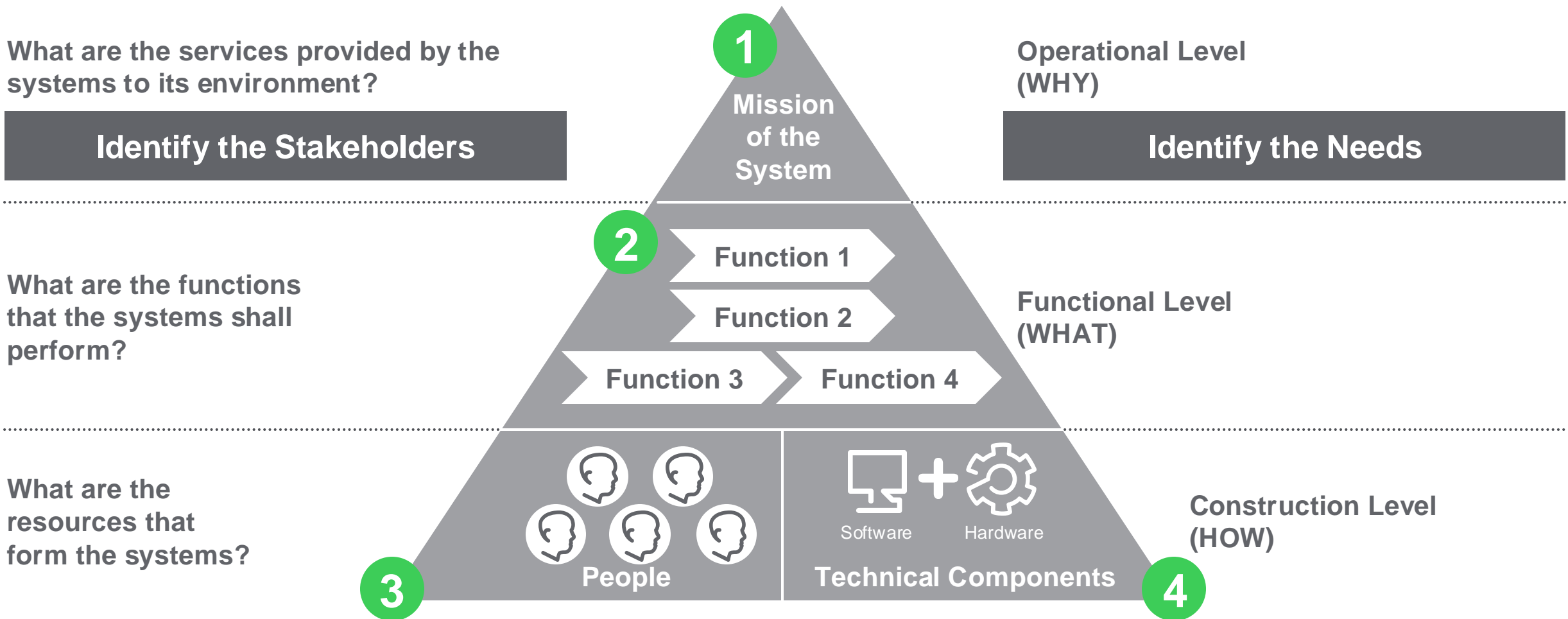
SMART TV AND
INTERACTIVE CARE SYSTEM

Health System Priorities

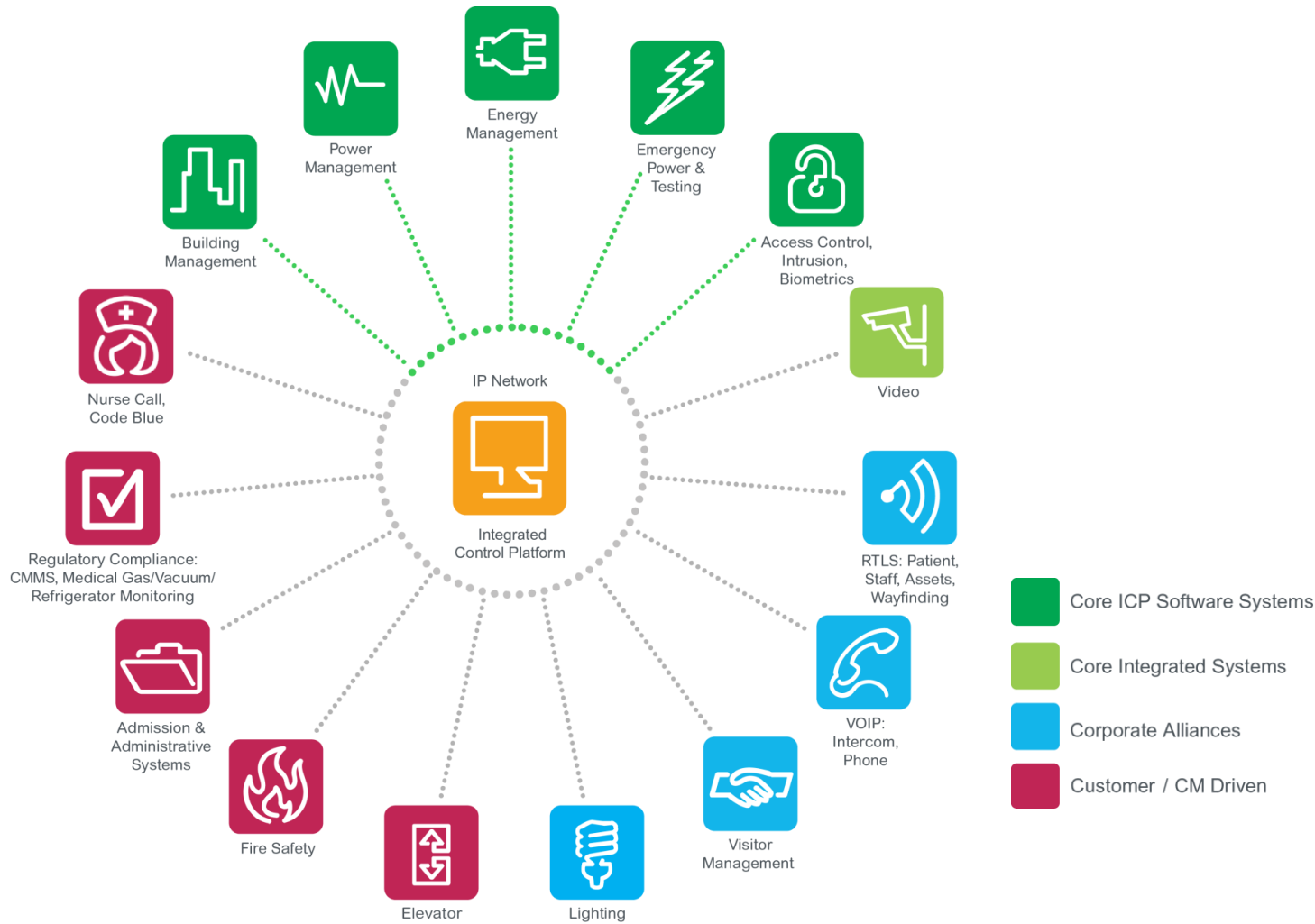


Priorities and Needs

Solutions-Based Design Process



Integrated Control Platform



Reduce CapEx

- Lowered equipment, software & installation costs
- Common footprint

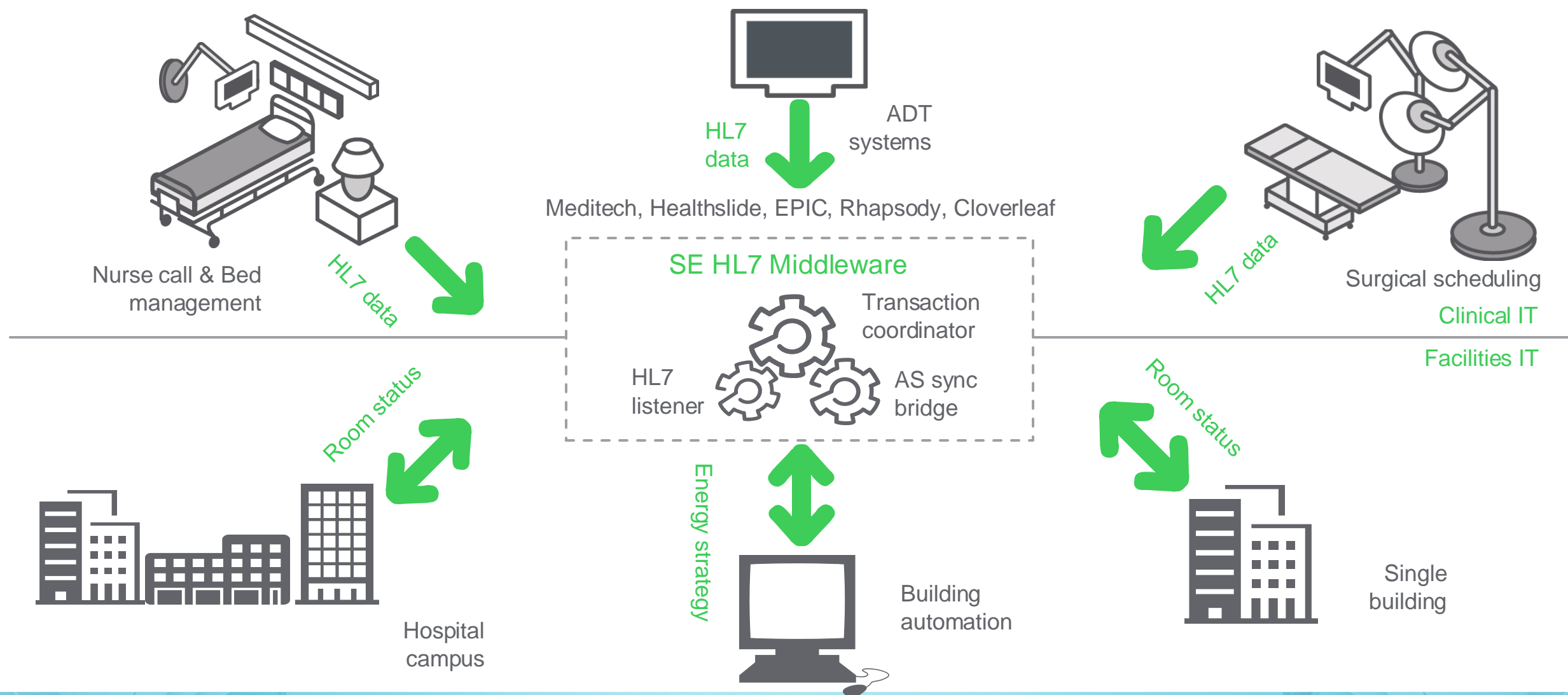
Lower OpEx

- Maintain design KPI's
- Faster training deployment
- Minimized maintenance cost
- Continuous commissioning

Delivers

- Improved patient care
- Improved patient/staff safety
- Increase staff efficiency
- Low energy cost
- Improve financial performance

Integration with Clinical Systems



Examples of Smart Patient Footwall



Multi View Mode





Penn Medicine

WEDNESDAY, 1/22
3:07 PM

PATIENT ROOM: A138
ROOM #:1 (215) 662-7474

GOOD AFTERNOON, JENNIFER

MY CARE TEAM

**ATTENDING PROVIDER:**
Dr. Jacksonville

**SURGEON:**
Dr. Washington

**NURSE PRACTITIONER:**
Dietra

**REGISTERED NURSE:**
Maureen

**NURSE ASSISTANT:**
Samantha

GOALS / PLAN FOR THE DAY

- Walk Twice Today
- Chew Gum Every Three Hours
- Do Incentive Spirometry Every Hour

YOUR EVENTS

- Radiology
- Lab Test
- MRI

UPCOMING CONSULTS

- West Chester Cardiology

LAST PAIN MED REQUEST
4:30PM

MOBILITY
BED REST

FLUID RESTRICTION
YES
PLEASE SEE NURSE

REGULAR DIET
NO BREAD OR PEANUTS

FALL RISK
CALL FOR ASSISTANCE

ISOLATION
VISITORS MSUT FOLLOW ISO...

EXPECTED DISCHARGE
10/31/2019

40th Annual FPC Seminar + Expo

 **Stark** TECH  **Schneider** Electric

Channel List

49
ESPN

50
ESPN 2

51
Golf Channel

52
Comcast SportsNet

53
NBCSN

54
MeTV

55
WHYY

56
4K Sample

57
4K Norway





WEDNESDAY, 1/22
3:05 PM

PATIENT ROOM: A127
ROOM #:1 (215) 662-7474

GOOD AFTERNOON, JENNIFER

MY CARE TEAM



ATTENDING PROVIDER:
Dr. Jacksonville



SURGEON:
Dr. Washington



NURSE PRACTITIONER:
Dietra



REGISTERED NURSE:
Maureen

GOALS / PLAN FOR THE DAY

- Walk Twice Today
- Chew Gum Every Three Hours
- Do Incentive Spirometry Every Hour

YOUR EVENTS

- Radiology
- Lab Test
- MRI

UPCOMING CONSULTS

- West Chester Cardiology

LAST PAIN MED REQUEST

4:30PM

MOBILITY

BED REST

FLUID RESTRICTION

YES
PLEASE SEE NURSE

REGULAR DIET

NO BREAD OR PEANUTS

FALL RISK

CALL FOR ASSISTANCE

ISOLATION

VISITORS: MSUT FOLLOW ISO...

ALLERGIES

YES
PLEASE SEE NURSE

EXPECTED DISCHARGE

10/31/2019

Dim Light



Bathroom

4

ENTER

WEDNESDAY, 1/22
3:06 PM

PATIENT ROOM: A138
ROOM #:1 (215) 662-7474

GOOD AFTERNOON, JENNIFER

MY CARE TEAM

ATTENDING PROVIDER:
Dr. Jacksonville

SURGEON:
Dr. Washington

NURSE PRACTITIONER:
Dietra

REGISTERED NURSE:
Maureen

NURSE ASSISTANT:
Samantha

LAST PAIN MED REQUEST
4:30PM

MOBILITY
BED REST

FLUID RESTRICTION
YES
PLEASE SEE NURSE

REGULAR DIET
NO BREAD OR PEANUTS

FALL RISK
CALL FOR ASSISTANCE

ISOLATION
VISITORS MSUT FOLLOW ISO...

EXPECTED DISCHARGE
10/31/2019

GOALS / PLAN FOR THE DAY

- Walk Twice Today
- Chew Gum Every Three Hours
- Do Incentive Spirometry Every Hour

YOUR EVENTS

- Radiology
- Lab Test
- MRI

UPCOMING CONSULTS

- West Chester Cardiology



Penn Medicine

Shade



Shade

ENTER

WEDNESDAY, 1/22
3:06 PM

PATIENT ROOM: A126
ROOM #:1 (215) 662-7474

GOOD AFTERNOON, JENNIFER

MY CARE TEAM

ATTENDING PROVIDER:
Dr. Jacksonville

SURGEON:
Dr. Washington

REGISTERED NURSE:
Maureen

NURSE ASSISTANT:
Samantha

LAST PAIN MED REQUEST
4:30PM

MOBILITY
BED REST

FLUID RESTRICTION
YES
PLEASE SEE NURSE

REGULAR DIET
NO BREAD OR PEANUTS

FALL RISK
CALL FOR ASSISTANCE

ISOLATION
VISITORS MSUT FOLLOW ISO...

ALLERGIES
YES
PLEASE SEE NURSE

EXPECTED DISCHARGE
10/31/2019

GOALS / PLAN FOR THE DAY

- Walk Twice Today
- Chew Gum Every Three Hours
- Do Incentive Spirometry Every Hour

YOUR EVENTS

- Radiology
- Lab Test
- MRI


UPCOMING CONSULTS

- West Chester Cardiology



Penn Medicine

Temperature



Thermostat

74°
73°
72°
71°
70°
69°
68°

ENTER

WEDNESDAY, 1/22
3:07 PM

PATIENT ROOM: A136
ROOM #:1 (215) 662-7474

GOOD AFTERNOON, JENNIFER

MY CARE TEAM

ATTENDING PROVIDER:
Dr. Jacksonville

SURGEON:
Dr. Washington

NURSE PRACTITIONER:
Dietra

REGISTERED NURSE:
Maureen

NURSE ASSISTANT:
Samantha

GOALS / PLAN FOR THE DAY

- Walk Twice Today
- Chew Gum Every Three Hours
- Do Incentive Spirometry Every Hour

YOUR EVENTS

- Radiology
- Lab Test
- MRI

UPCOMING CONSULTS

- West Chester Cardiology

LAST PAIN MED REQUEST
4:30PM

MOBILITY
BED REST

FLUID RESTRICTION
YES
PLEASE SEE NURSE

REGULAR DIET
NO BREAD OR PEANUTS

ISOLATION
VISITORS MSUT FOLLOW ISO.

ALLERGIES
YES
PLEASE SEE NURSE

EXPECTED DISCHARGE
10/31/2019



Penn Medicine

Privacy Glass



Door/Window

Off

WEDNESDAY, 1/22
3:06 PM

PATIENT ROOM: A128
ROOM #:1 (215) 662-7474

GOOD AFTERNOON, JENNIFER

MY CARE TEAM

ATTENDING PROVIDER:
Dr. Jacksonville

SURGEON:
Dr. Washington

NURSE PRACTITIONER:
REGISTERED NURSE:
Maureen

NURSE ASSISTANT:
Samantha

LAST PAIN MED REQUEST
4:30PM

MOBILITY
BED REST

FLUID RESTRICTION
YES
PLEASE SEE NURSE

REGULAR DIET
NO BREAD OR PEANUTS

FALL RISK
CALL FOR ASSISTANCE

ISOLATION
VISITORS MSUT FOLLOW ISO..

ALLERGIES
YES
PLEASE SEE NURSE

EXPECTED DISCHARGE
10/31/2019

GOALS / PLAN FOR THE DAY

- Walk Twice Today
- Do Incentive Spirometry Every Hour

YOUR EVENTS

- Radiology
- Lab Test
- MRI

UPCOMING CONSULTS

- West Chester Cardiology



Penn Medicine

Display Menu

Menu

1 Multi-View

2 Full Screen

3 Night Mode

4 Sleep Mode

5 Thermostat

6 Show Weather

▲

ENTER

▼





Penn Medicine

WEDNESDAY, 1/22
3:06 PM

PATIENT ROOM: A123
ROOM #:1 (215) 662-7474

GOOD AFTERNOON, JENNIFER

MY CARE TEAM



ATTENDING PROVIDER:
Dr. Jacksonville



SURGEON:
Dr. Washington



NURSE PRACTITIONER:
Dietra



REGISTERED NURSE:
Maureen



NURSE ASSISTANT:
Samantha

GOALS / PLAN FOR THE DAY

- Walk Twice Today
- Chew Gum Every Three Hours
- Do Incentive Spirometry Every Hour

YOUR EVENTS

- Radiology
- Lab Test
- MRI

UPCOMING CONSULTS

- West Chester Cardiology

LAST PAIN MED REQUEST

4:30PM

MOBILITY

BED REST

FLUID RESTRICTION

YES
PLEASE SEE NURSE

REGULAR DIET

NO BREAD OR PEANUTS

FALL RISK

CALL FOR ASSISTANCE

ISOLATION

VISITORS MSUT FOLLOW ISO...

ALLERGIES

YES
PLEASE SEE NURSE

EXPECTED DISCHARGE

10/31/2019

40th Annual FPC Seminar + Expo


Night Mode

WEDNESDAY, 1/22
3:07 PM


PATIENT ROOM: A123
ROOM #:1 (215) 662-7474

GOOD AFTERNOON, JENNIFER


MY CARE TEAM




ATTENDING PROVIDER:
Dr. Jacksonville




SURGEON:
Dr. Washington



NURSE PRACTITIONER:
Dietra



REGISTERED NURSE:
Maureen



NURSE ASSISTANT:
Samantha

GOALS / PLAN FOR THE DAY

- Walk Twice Today
- Chew Gum Every Three Hours
- Do Incentive Spirometry Every Hour

YOUR EVENTS

- Radiology
- Lab Test
- MRI

UPCOMING CONSULTS

- West Chester Cardiology

LAST PAIN MED REQUEST

4:30PM

MOBILITY

BED REST

FLUID RESTRICTION

YES

PLEASE SEE NURSE

REGULAR DIET

NO BREAD OR PEANUTS

FALL RISK

CALL FOR ASSISTANCE

ISOLATION

VISITORS MUST FOLLOW ISO...

ALLERGIES



YES

PLEASE SEE NURSE

EXPECTED DISCHARGE

10/31/2019

40th Annual FPC Seminar + Expo

 **Stark**
—TECH—
 **Schneider**
Electric

Weather



Today In Philadelphia

3:06 PM
WED JAN. 22



Sunny

37°F
30°F / 38°F

Thursday



Partly Cloudy
29°F / 44°F

Friday



Mostly Cloudy
39°F / 47°F

Saturday



Rain
43°F / 48°F

Sunday



Rain
40°F / 43°F

Monday



Partly Cloudy
37°F / 43°F

 Penn Medicine

WEDNESDAY, 1/22
3:06 PM

PATIENT ROOM: A123
ROOM #:1 (215) 662-7474

GOOD AFTERNOON, JENNIFER

MY CARE TEAM



ATTENDING PROVIDER:
Dr. Jacksonville



SURGEON:
Dr. Washington



NURSE PRACTITIONER:
Dietra



REGISTERED NURSE:
Maureen



NURSE ASSISTANT:
Samantha

LAST PAIN MED REQUEST
4:30PM

MOBILITY
BED REST

FLUID RESTRICTION
YES
PLEASE SEE NURSE

REGULAR DIET
NO BREAD OR PEANUTS

FALL RISK
CALL FOR ASSISTANCE

ISOLATION
VISITORS MSUT FOLLOW ISO...

ALLERGIES
YES
PLEASE SEE NURSE

EXPECTED DISCHARGE
10/31/2019

GOALS / PLAN FOR THE DAY

- Walk Twice Today
- Chew Gum Every Three Hours
- Do Incentive Spirometry Every Hour

YOUR EVENTS

- Radiology
- Lab Test
- MRI


UPCOMING CONSULTS

- West Chester Cardiology


40th Annual FPC Seminar + Expo

 **Stark** TECH
 **Schneider** Electric


In My Room




Penn Medicine




Registered Nurse
Margaret



Physician Assistant
Sotirios



Registered Nurse
Julie




Physician
Dr. Kansky

THURSDAY, 6/3
9:55 AM


PATIENT ROOM: 0165
ROOM #:1 (215) 662-7474

GOOD MORNING, TEST


MY CARE TEAM




ATTENDING PROVIDER
Dr. Jacksonville




SURGEON
Dr. Washington



REGISTERED NURSE
Maureen



NURSE ASSISTANT
David



NURSE PRACTITIONER
Dietra

GOALS / PLAN FOR THE DAY

- Pain Control
- Stable Vital Signs
- Monitor Drainage From Chest

YOUR EVENTS

- Hematology/Oncology
- Laboratory
- Surgery

UPCOMING CONSULTS

- NUTRITION SERVICES
- PENN INFECTIOUS DISEASE CHESTER COUNTY HOSPITAL
- WOUND CARE

ALLERGIES

YES
PLEASE SEE NURSE

DIABETIC DIET

NO SWEETS, RENAL, BOOST
DRINK, MIGHTY SHAKE

FLUID RESTRICTION

YES
PLEASE SEE NURSE

MOBILITY

FULL ACTIVITY, UP WITH
ASSISTANCE

FALL RISK

CALL FOR ASSISTANCE

ISOLATION

VISITORS MUST FOLLOW
ISOLATION INSTRUCTIONS

EXPECTED DISCHARGE

1/8/2021

Remote Monitoring



HUP EAST | LVL LAB Testing | HUP EAST LVL LAB Testing | 2:08

Truong

WEDNESDAY, 11/24
3:16 PM


PATIENT ROOM: 0165
ROOM #: 1 (215) 662-7474

GOOD AFTERNOON, TEST

MY CARE TEAM




ATTENDING PROVIDER
Dr. Jacksonville




SURGEON
Dr. Washington



REGISTERED NURSE
Maureen



NURSE ASSISTANT
David



NURSE PRACTITIONER
Dietra

ALLERGIES
YES
PLEASE SEE NURSE

DIABETIC DIET
**NO SWEETS, RENAL, BOO...
DRINK, MIGHTY SHAKE**

FLUID RESTRICTION
YES
PLEASE SEE NURSE

MOBILITY
**FULL ACTIVITY, UP WITH
ASSISTANCE**

FALL RISK
CALL FOR ASSISTANCE

ISOLATION
*VISITORS MUST FOLLOW
ISOLATION INSTRUCTIONS*

GOALS / PLAN FOR THE DAY

- PAIN CONTROL
- STABLE VITAL SIGNS
- MONITOR DRAINAGE FROM CHEST

YOUR EVENTS

- HEMATOLOGY/ONCOLOGY
- LABORATORY
- SURGERY

UPCOMING CONSULTS

- NUTRITION SERVICES
- PENN INFECTIOUS DISEASE
- CHESTER COUNTY HOSPITAL
- WOUND CARE





Today In Philadelphia


3:16 PM
WED NOV. 24



40°F
29°F / 47°F

Partly Cloudy

Thanksgiving Day	Friday	Saturday	Sunday	Monday
				
Partly Cloudy 30°F / 55°F	Rain Showers 40°F / 47°F	Partly Cloudy 29°F / 44°F	Rain Showers 29°F / 45°F	Partly Cloudy 31°F / 44°F

 Penn Medicine

DOROTHY - DOB: (68 Y F)

AS OF: 09/17 04:54PM PATIENT ROOM: H1

PATIENT INFORMATION

WEIGHT: 136.5 LB (61.9 KG)
HEIGHT: 1.6 (M) BMI: 24.9
EMERGENCY CONTACT:
Spouse • 215-

ALLERGIES: HYDROCODONE-ACETAMINOPHEN, TETRACYCLINE

CARE TEAM

ATTENDING: REBECCA L
COVERING PROVIDER:
JAMES L 267-
REGISTERED NURSE:
MALIA
PRIMARY SERVICE:
MEDICINE HUP, ONC APP CAR T

VITALS

DATE/TIME	TEMP	BP	HR	RR	SPO2	FIO2
09/17 03:09PM	97.1	101 / 55	97	18	95	
09/17 11:06AM	99.1	89 / 50	96	18	94	
09/17 10:38AM	98.9	93 / 56	100	19	97	
09/17 10:14AM	97.9	96 / 59	104	18	100	

09/17 06:03AM

↑1.6 WBC

↓7.7 Hgb

↑13 Plt

↓23 Hct

09/17 06:03AM

↑137 Na

↑106 Cl

↑16 BUN

↓3.3 K

↓24 CO2

↑0.91 Cr

↑99 Glu

09/17 06:03AM

↑27.1 aPTT

↓12.9 PT

↓1.1 INR

09/17 06:03AM

↑21 AST

↑164 AP

3.9 TP

↑41 ALT

↓0.4 TB

↓2.5 ALB

09/17 06:03AM

6.8 Ca

↑2.1 Mg

↑2.5 Phos

GREY BACKGROUND INDICATES RESULT TIME IS AN OUTLIER

BLOOD GAS AND LACTATE

09/16 09:00PM
LACTIC ACID LVL 1.6

CODE STATUS

Full code 07/18/23 03:19PM

DIFFICULT AIRWAY

--

CARELINK SCAN

11 12 1 2 3 4 5 6 7 8 9 10

16:55:28

Patient Door Display



Benefits of Digitalization

Digitizing information increases efficiencies for clinical workflows, saving PennMed the equivalent of ~8,400 hours of manual administrative tasks for clinical staff per year while eliminating risk.



SEE STAFF MEMBER BEFORE ENTERING.
WEAR MASK UPON ENTERING ROOM.

ROOM NUMBER
0868A

**STOP
DO NOT
ENTER**

PROCEDURE
[TAP FOR MORE INFORMATION]

ISOLATION
[TAP FOR MORE INFORMATION]

FALL RISK

LATEX ALLERGY

SEIZURE PRECAUTIONS

DIFFICULT AIRWAY

VISUALLY IMPAIRED

HEARING IMPAIRED

COMMUNICATION IMPAIRED

INTERPRETER SERVICE REQUIRED

NOTHING BY MOUTH

ASSIST TO FEED

SINUS PRECAUTIONS

DO NOT MANIPULATE

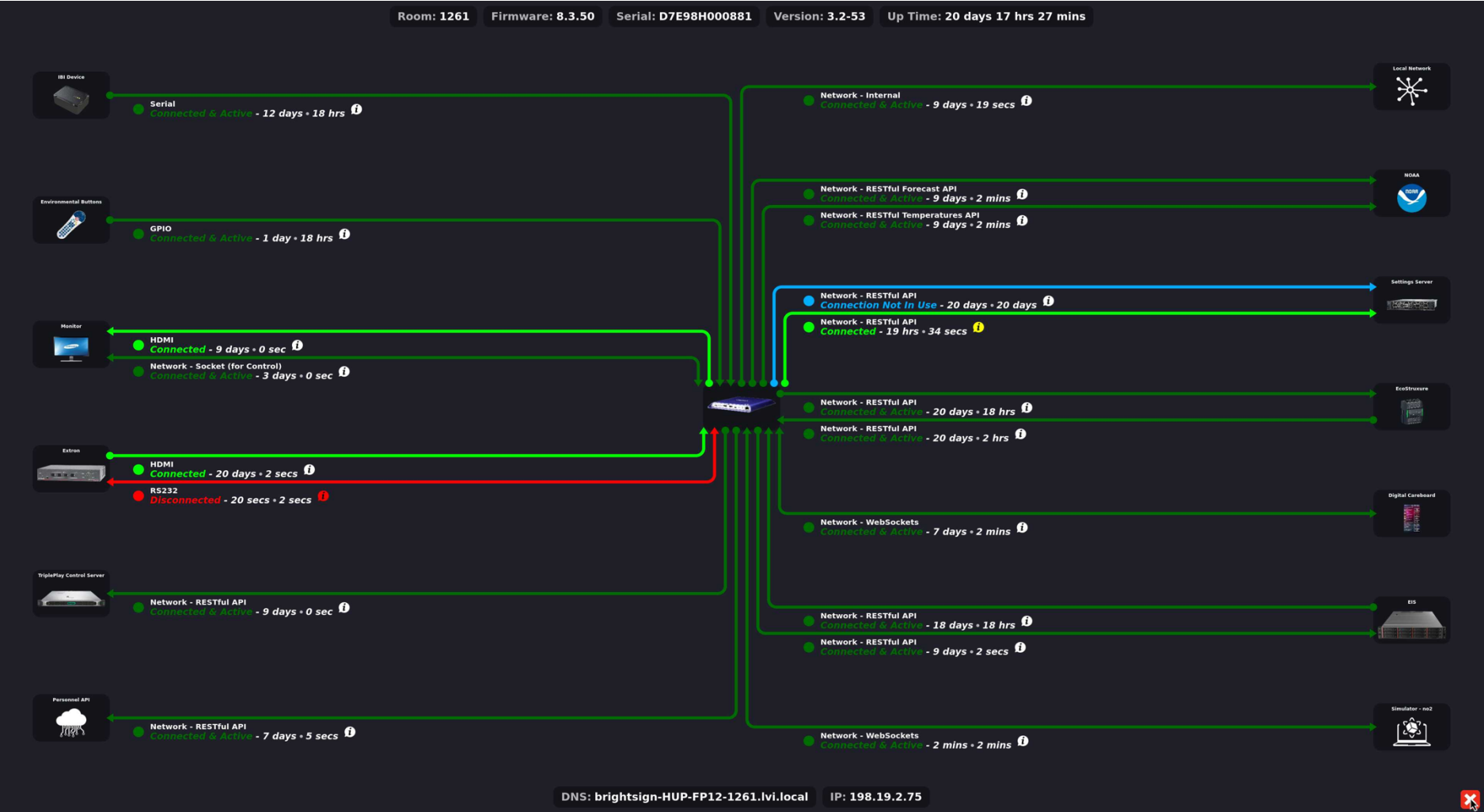
CARE TEAM

REGISTERED NURSE
Jacobs

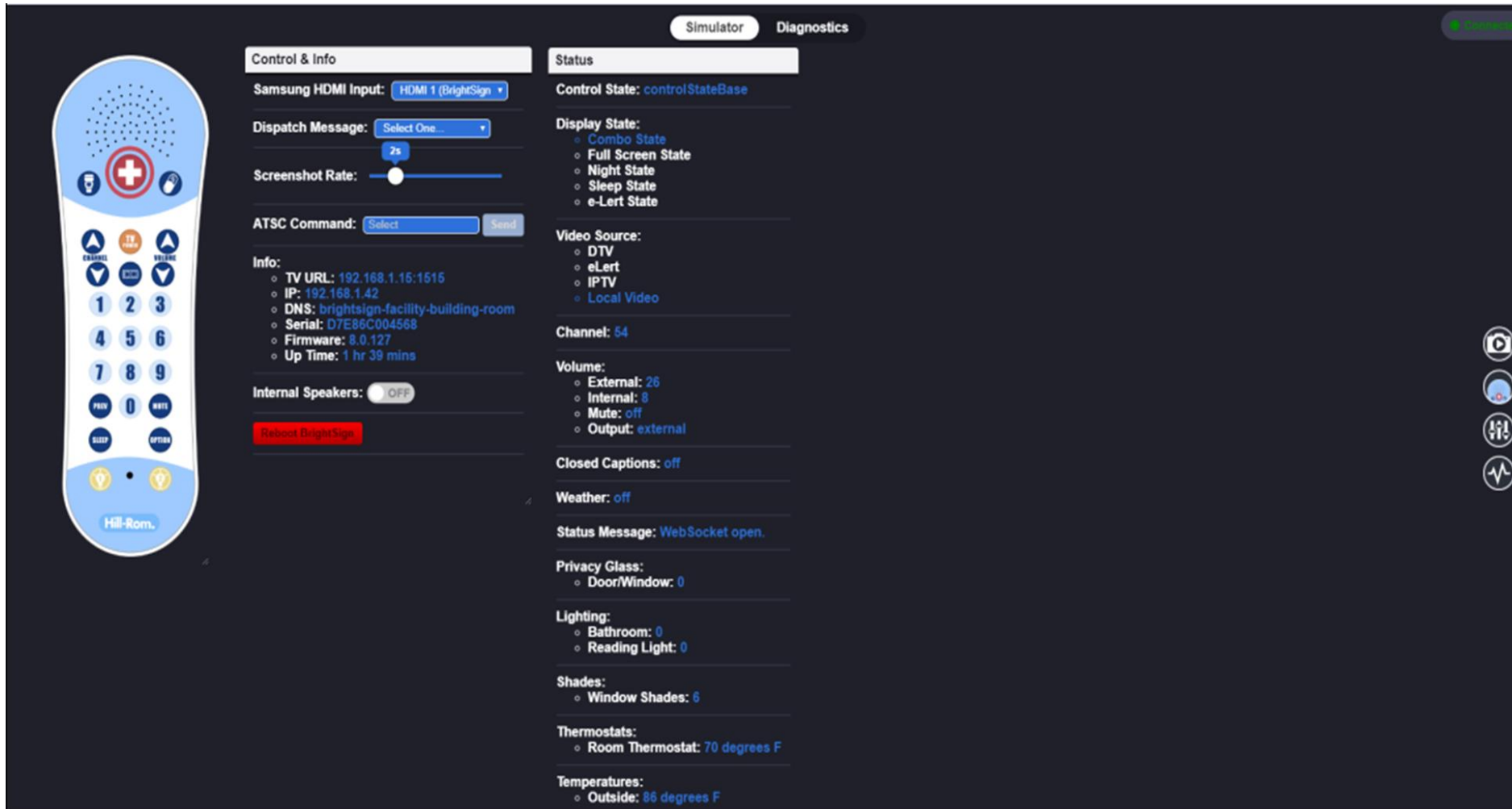
CERTIFIED NURSING ASSISTANT
Brady

LAST UPDATED: 6/29/2020 3:00PM

Diagnostics



Simulator



Remote View

Simulator

Diagnostics







Penn Medicine

Chester County Hospital

FRIDAY, 7/19
2:30PM

PATIENT ROOM : 0868A
ROOM #: 1 (215) 349-8222

GOOD AFTERNOON, Jennifer

MY CARE TEAM

ATTENDING PROVIDER
Dr. Jacksonville

SURGEON
Dr. Washington

NURSE PRACTITIONER
Dietra

REGISTERED NURSE
Maureen

NURSE ASSISTANT
Samantha

LAST PAIN MED REQUEST
4:30PM

MOBILITY
BED REST

FLUID RESTRICTION
YES
PLEASE SEE NURSE

CARDIAC DIET
NO BREAD OR PEANUTS

FALL RISK
CALL FOR ASSISTANCE

ISOLATION
VISITORS MUST FOLLOW ISOLATION INSTRUCTIONS

ALLERGIES
YES
PLEASE SEE NURSE

EXPECTED DISCHARGE
MONDAY 10/17

GOALS / PLAN FOR THE DAY

- Walk twice today
- Chew gum every three hours;
- Do Incentive spirometry every hour;

YOUR EVENTS

- Radiology
- Lab Test
- MRI

UPCOMING CONSULTS

West Chester Cardiology

Offline

40th Annual FPC Seminar + Expo



Q & A



Let's Connect



Roy Hoffman

VP – Business Development



Braheem Santos

Healthcare Strategic Account Executive



40th Annual FPC Seminar + Expo

