HEADLINE USE CASE

Opening a fully digital hospital in Central London; Revolutionizing the hospital-wide operational activation of Cleveland Clinic using AI and technology

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13-14 September
INTELLIGENT HEALTH 2023
Basel, Switzerland

PRODUCED BY INSPIRED MINDS!

Accredited cpd Event

@IntHealthAI
#IntelligentHealthAI
#SaveLivesWithAI

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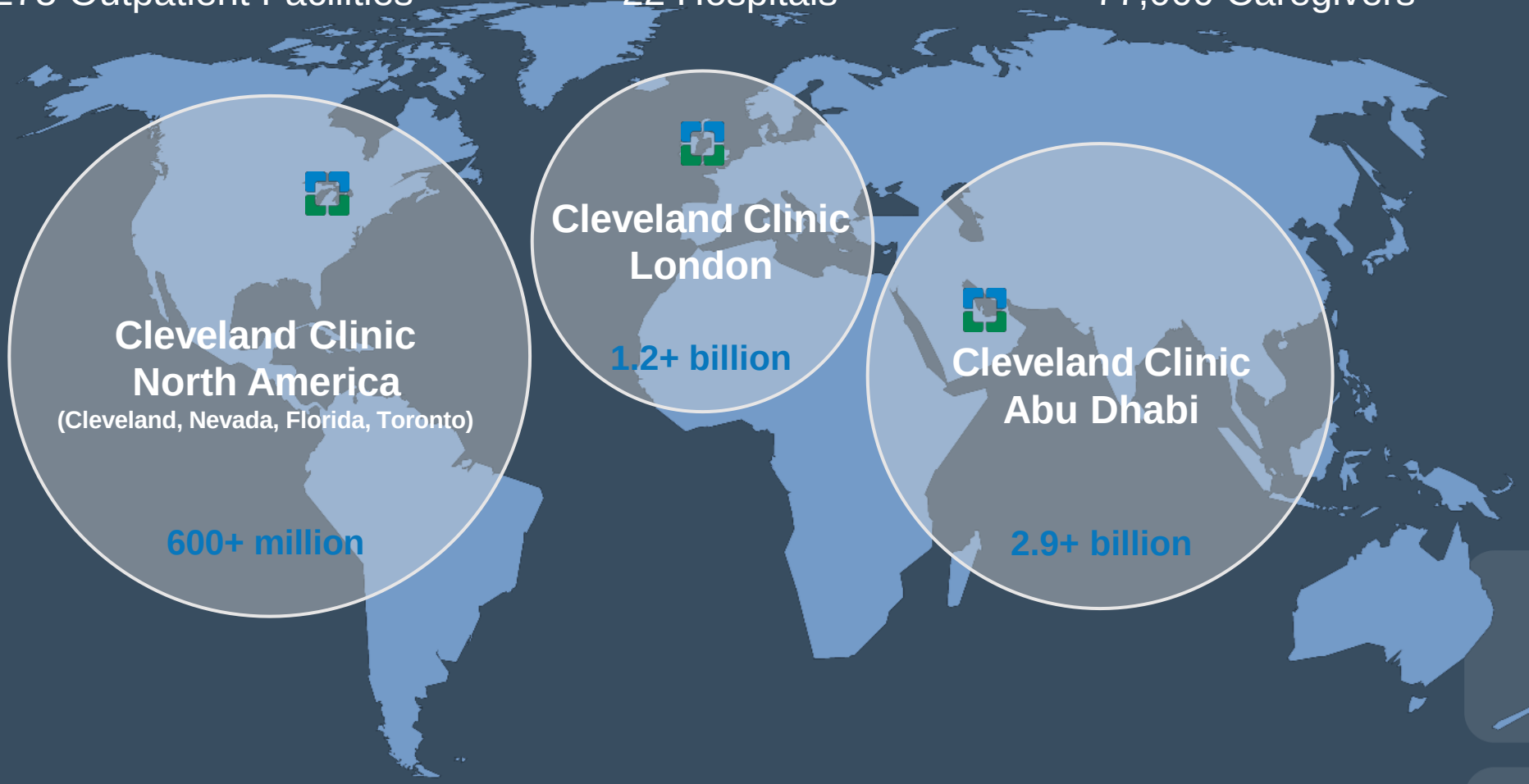
First Globally Integrated Healthcare System

275 Outpatient Facilities

22 Hospitals

77,000 Caregivers



Care for Patients Statistics

892K Emergency Department Visits

10.2M Outpatient Visits

2.0M Virtual Visits

259K Surgeries & Procedures

304K Admissions & Observations

2.9M Unique Patients

Unique and Innovative

- First fully digital hospital in UK
- Exceptionally complex surgeries
- Intraoperative MRI
- 24/7 Intensive Care Senior Physician cover
- Pharmacy Robotics to reduce bedside medication administration errors

Hospital Build Statistics

395,000 sq ft medical use

Over 1,400 policies and procedures

13,000 pieces of equipment (medical and IT)

Over 1,100 caregivers >15 outsourced departments

80 IT applications

350+ vendors

Hospital Load Out Statistics

500

3,000

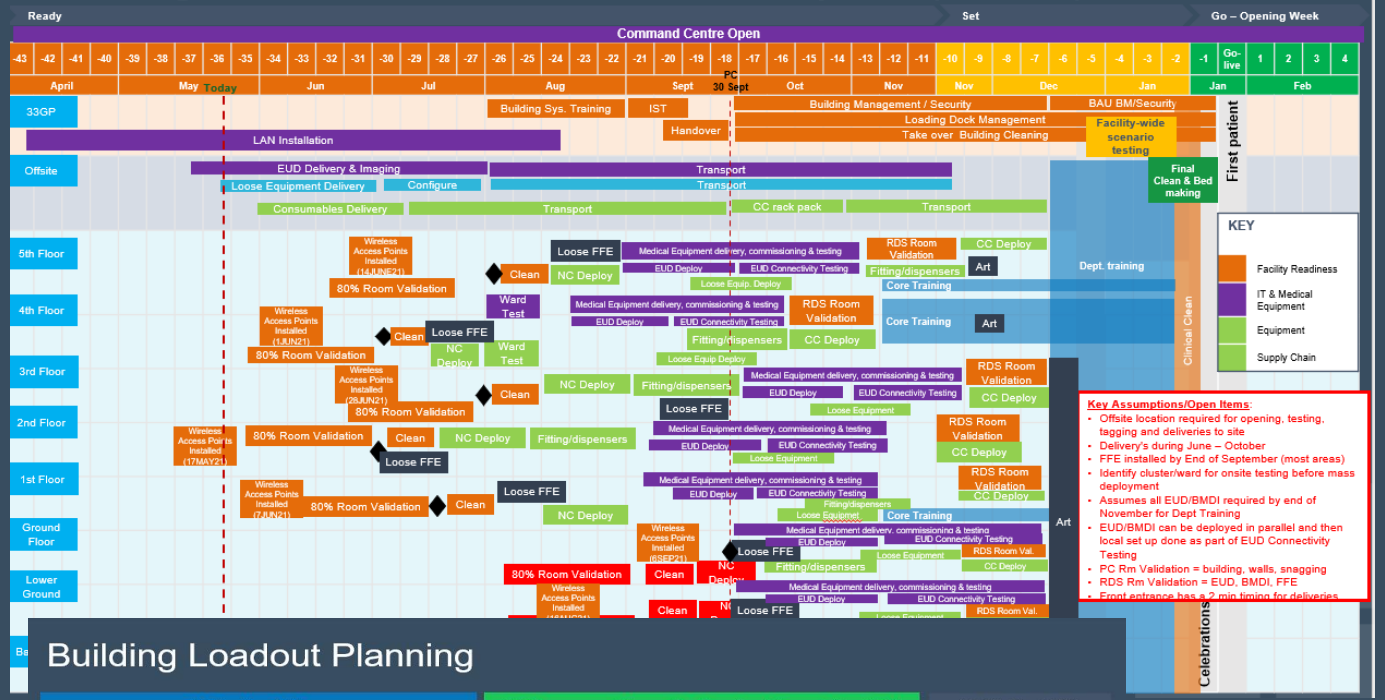
5,000

- 2,000 equipment/devices
- 10,000 medical supplies
- 4,000 drugs

250

Complexities

Building Loadout Framework – Hospital (33GP)



Building Loadout Planning

24 Portland Place

17 Week Loadout period *(26 Apr 21-20 Aug 21)*

3082 Total items to be loaded into the building (Post Practical Completion)

435 Furniture, Fittings & Equipment	**578** End-User Devices (EUDs)	**1500** Clinical Consumables
87 Pharmacy & Lab Equipment	**336** Bio Medical Equipment & Medical Equipment	**146** Non Clinical Consumables

33 Grosvenor Place - Pre Practical Completion (PC)

19 Week Loadout period *(24 May 21-01 Oct 21)*

8323 Total items to be loaded into the building (Pre Practical Completion)

2684 Furniture, Fittings & Equipment	**5054** End-User Devices (EUDs)	**0** Clinical Consumables
479 Pharmacy & Lab Equipment	**106** Bio Medical Equipment & Medical Equipment	**0** Non Clinical Consumables

33GP (Post PC)

14 Week Loadout period *(04 Oct 21- 10 Jan 21)*

Volumetric Analysis is underway for the loadout of 33GP Post PC.

Next Steps:

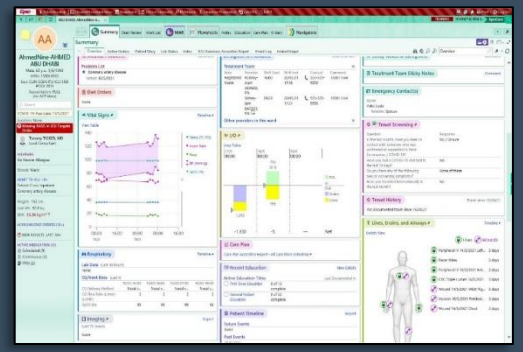
- Final 33GP (Post PC) inventories requested.
- Undertake Volumetric Analysis exercise.
- Begin scheduling Post PC delivery.

Brexit

Covid

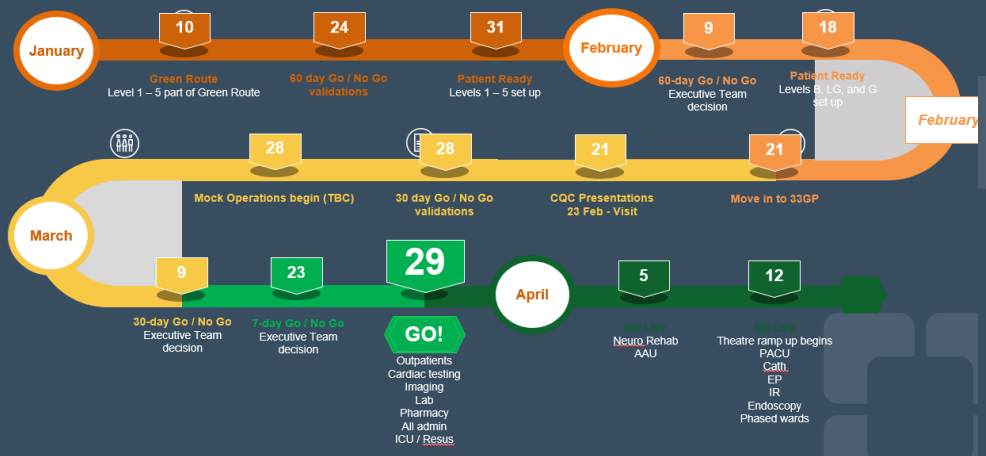
SC Crisis

90, 60, 25, 7 days to Go Live



Mock Operations

Roadmap to Opening Hospital – the last mile



Timeline

2018

2019

2021 Q4

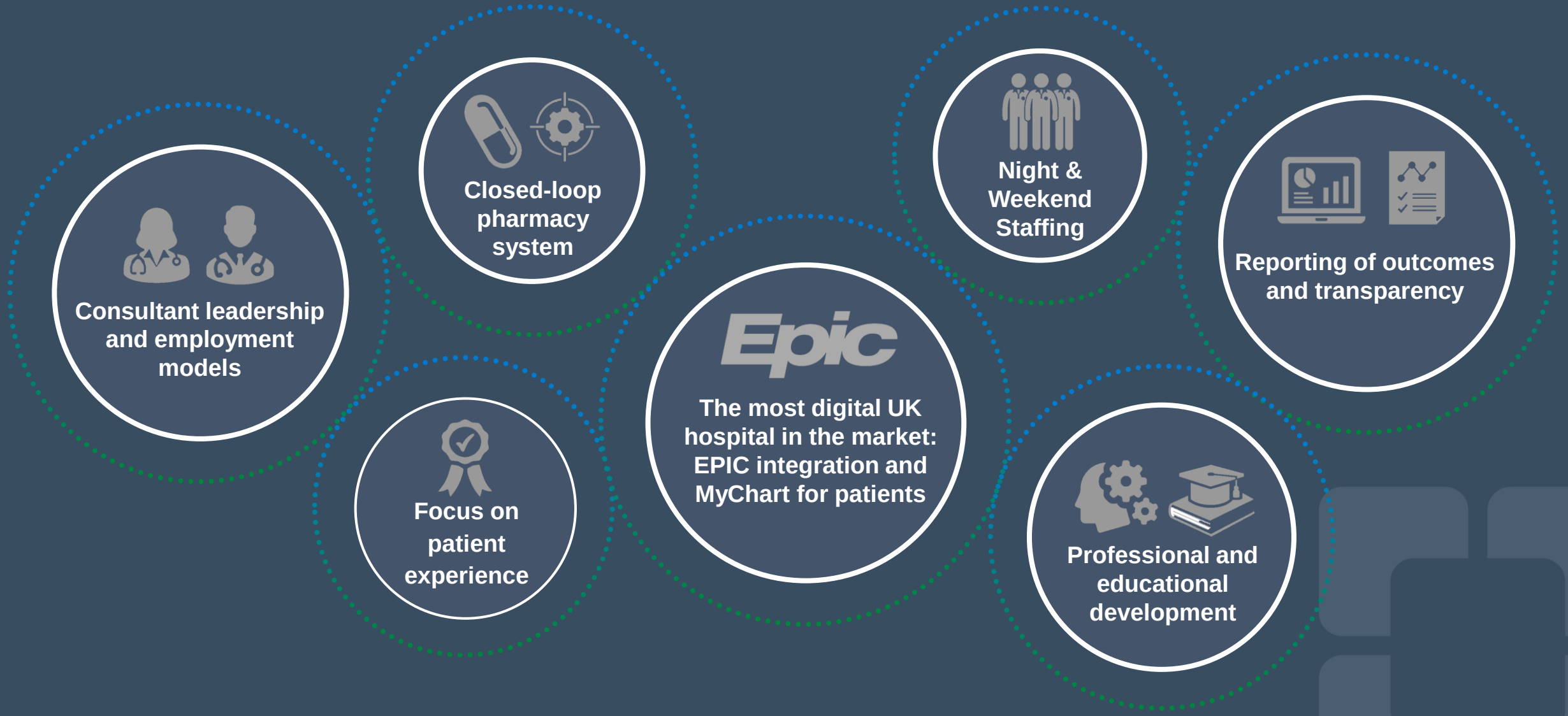
2020

2021

2022 Q1

Patient Journey

Integrated Care and Leading Technologies

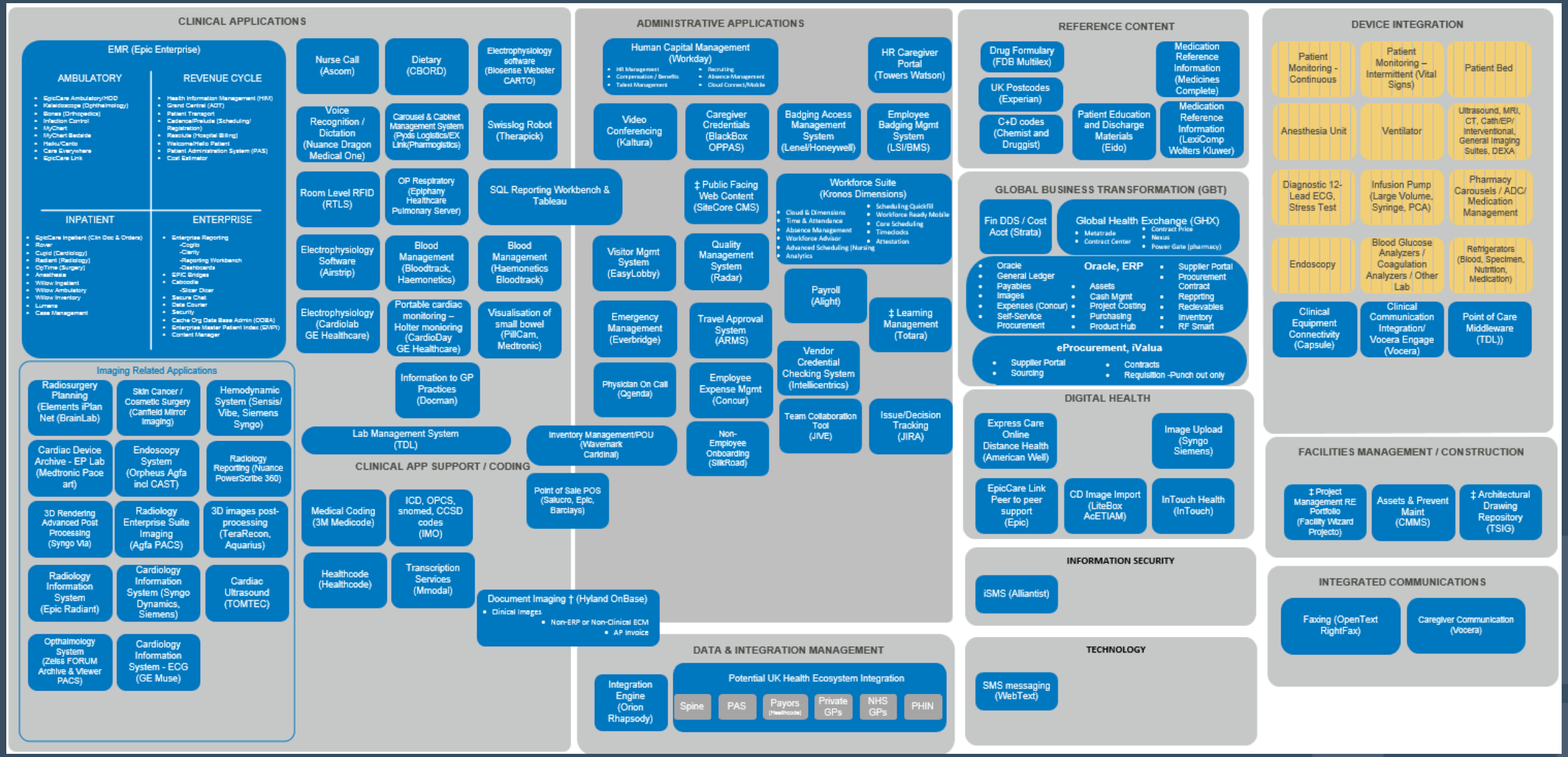


Technology Scope of Work

MSI Partner tender	TSI partner tender	150 distinct projects	80 applications
120+ contracts negotiated	903 clinical workflows	147 integrations	48,000 hrs. Epic build
6 integrated testing cycles	100 user acceptance testing scripts	7000 end user devices	5250 IT medical devices

Application Placemat

Information Technology Operating Model



Support Caregivers with Digital Tools

Mobility

Work from anywhere

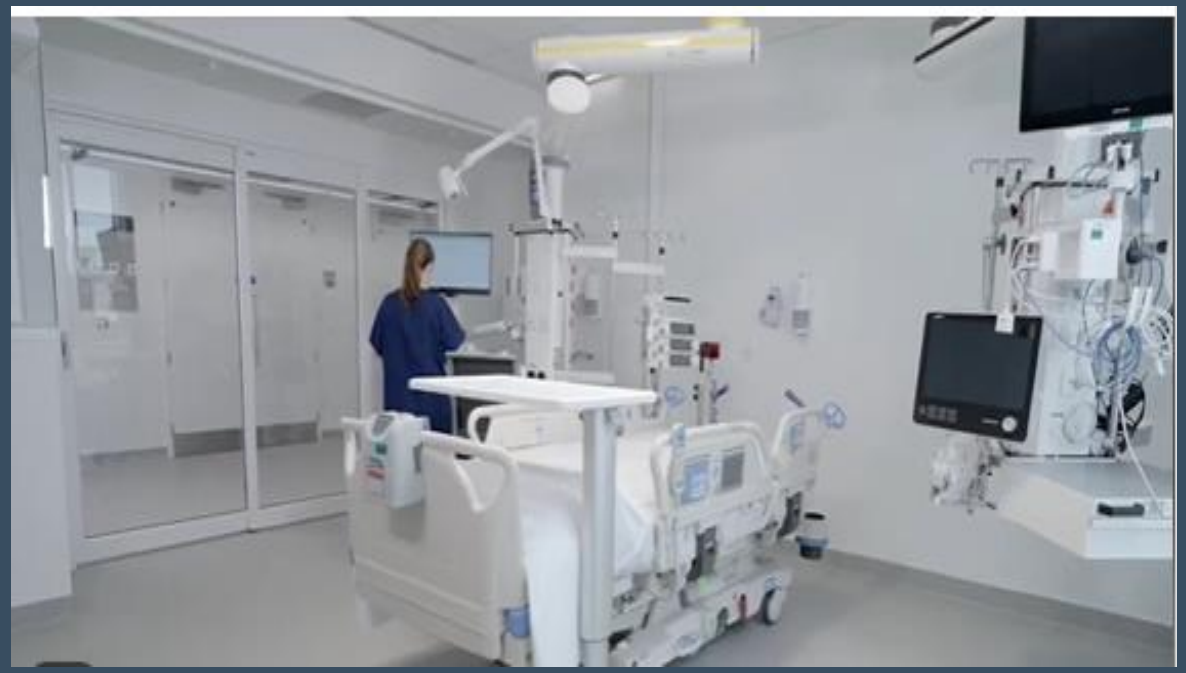
Fast and Secure Access

Simplicity

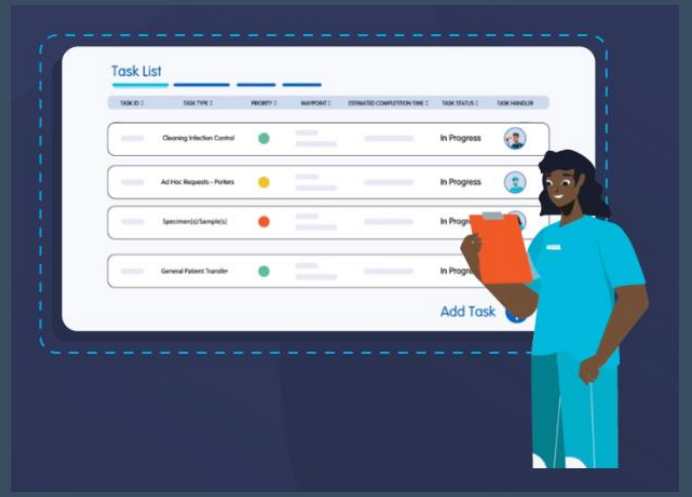
Connected Workforce

Consistent User Experience

AI in Health - Case 1
Real Time Location Services (RTLS)



The right person doing the right job at the right time!



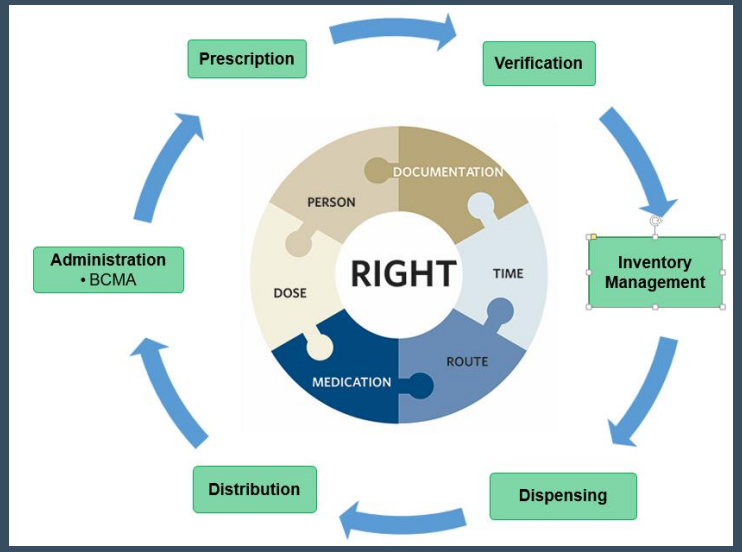
AI in Health – Case 2
Ambient clinical intelligence solution automatically documenting patient encounters accurately and efficiently at the point of care

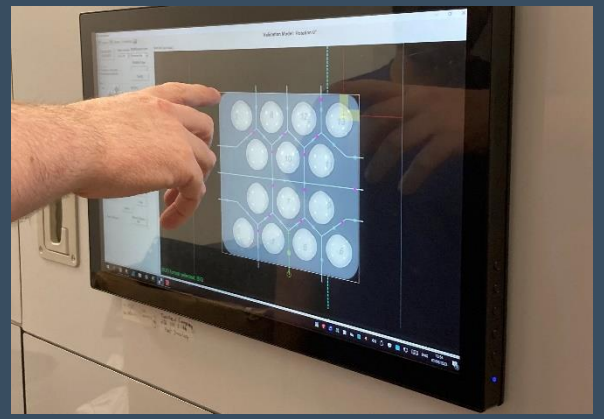
Dragon Ambient eXperience (DAX)

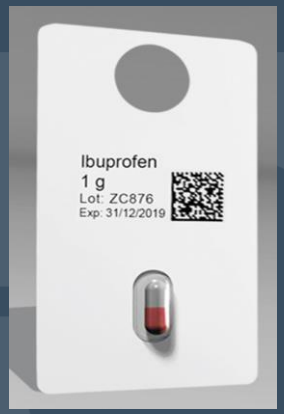
Multi Party conversations,
Documentation, Integration with EHR,
Scales across organisations

AI in Health - Case 3
Pharmacy Automation and Unit Dose Production
Improve medication safety, reduce errors, increase operational and financial efficiency, reduce medicines waste

- 24/7 operations, real time, closed loop
- Fully integrated electronic medicines management model
- ADC, BCMA, Carousels
- Unit Dose Packaging of all medicines
- Aseptic production of all infusions
- Epic Willow (Inpatients, Outpatients, Inventory, Compounding & Repackaging)



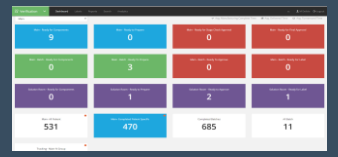




Further Pharmacy Automation Technologies

Preparation & Production

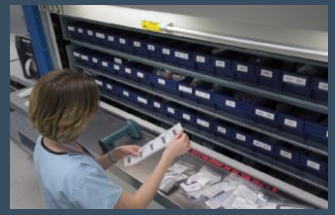
Delivery



Automated Dispensing

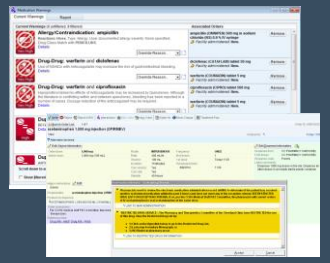
Barcoded Medication Administration

Vertical Automated Carousel Dispensing



Smart Pumps

Computerised Prescriber Order Entry & Verification



Cleveland Clinic

Every life deserves world class care.