

# Mackenzie Vaughan Hospital

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**Altaf Stationwala**  
President and CEO  
Mackenzie Health

November 15, 2016  
City of Vaughan Council



## **VISION**

Create a world-class health experience

## **MISSION**

Relentlessly improve care to create healthier communities

## **VALUES**

Excellence, Leadership, Empathy

## **GUIDING PRINCIPLES**

Teamwork, Accountability, Safety

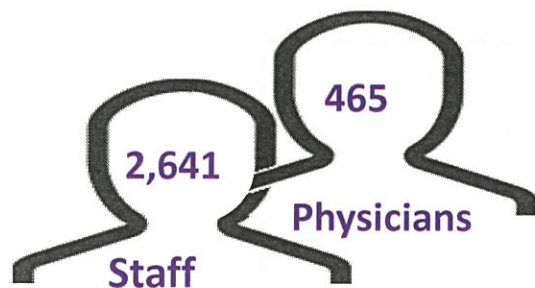
## **CHARACTER**

Professional, Friendly, Expert

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# Quick Facts 2015-16



**2** Sites in 2020



**241** Acute Beds

**168** Long Term Care Beds

**84** Complex Care & Rehab Beds

**22** Integrated Stroke Beds

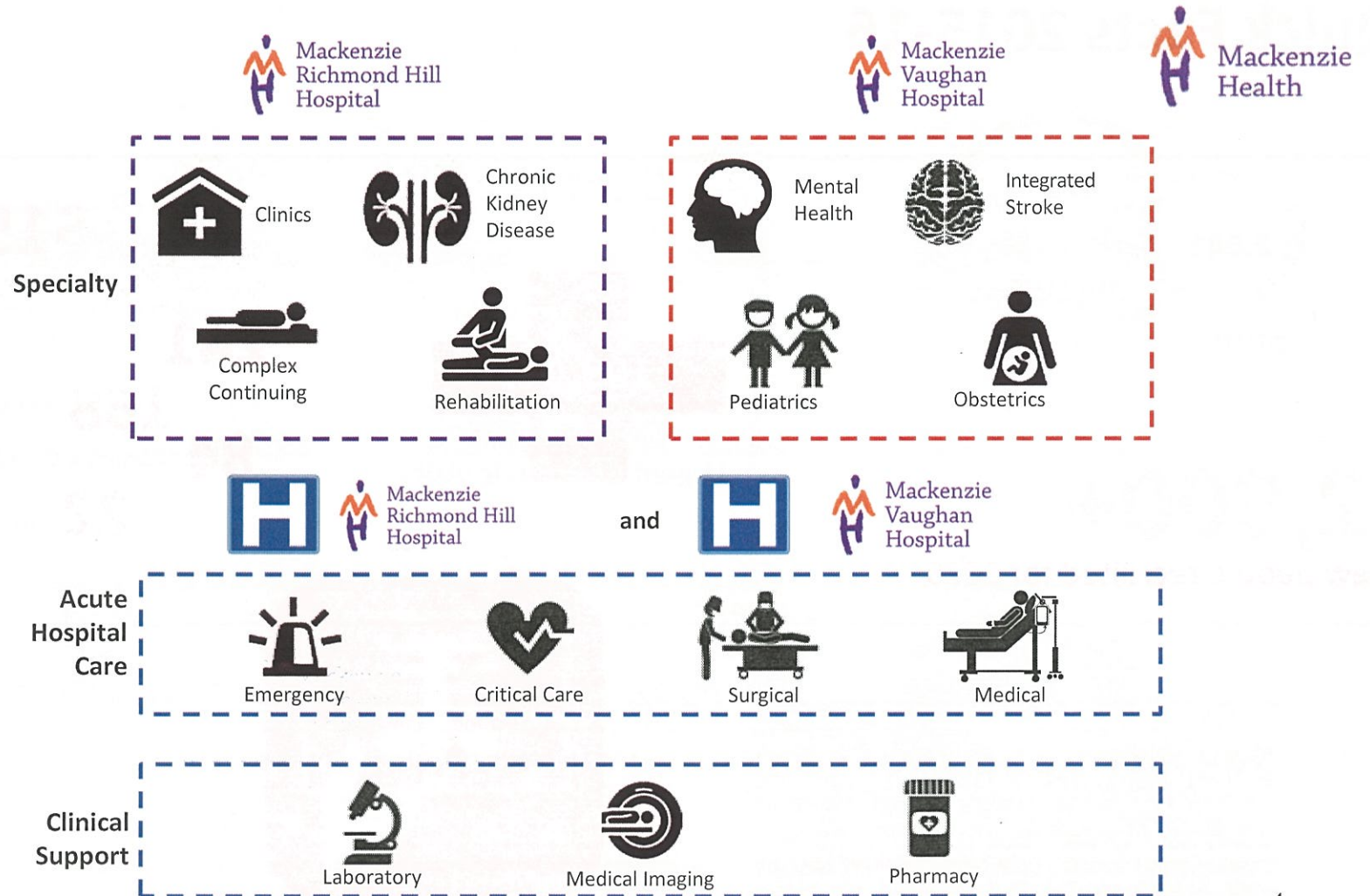
**2,000+**

New people recruited for 2020



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# Our Service Model



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# Emergency Department Pressures



2015/16

109,000 ED visits



2020/21

134,000 ED visits

On any given day,  
**250 to 320** patients are seen in the  
Emergency Department



Each day, **45 to 70 ambulances** arrive  
at Mackenzie Health's Emergency  
Department



Over the past four years we've  
experienced **38% growth** in ambulance  
traffic



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# Mackenzie Vaughan Hospital Project



## Video Presentation



Architectural rendering reflects current design concepts. Exterior colors and finishes may change with final design.

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# Project Stages

## Infrastructure Ontario – Phases

### Pre-Transaction

- IO due diligence
- Procurement model

### Transaction

- Transaction documents
- RFQ & RFP

### Implementation

- Design, construction, commissioning



### Stage 1

Proposal &  
Business case

### Stage 2

Functional  
Program

### Stage 3

Output Specs &  
Blocks

### Stage 4

Procurement

### Stage 5

Design & documents  
Construction & commissioning

30 – year  
Operating  
Period

## MOHLTC – Capital Planning Stages

2010



2020

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# Mackenzie Vaughan Hospital Groundbreaking

October 25, 2016

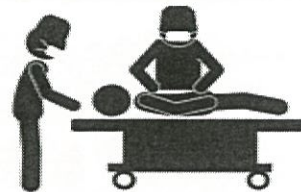


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## Key Metrics – Mackenzie Vaughan Hospital



ED Visits – 75,000



Surgical Visits – 6,300 cases



Total Beds – 350



Births – 3,100



Medical Imaging Exams –  
140,000



Pediatric Urgent Care Clinic  
Visits – 1,800



Significant shelled space for  
future growth



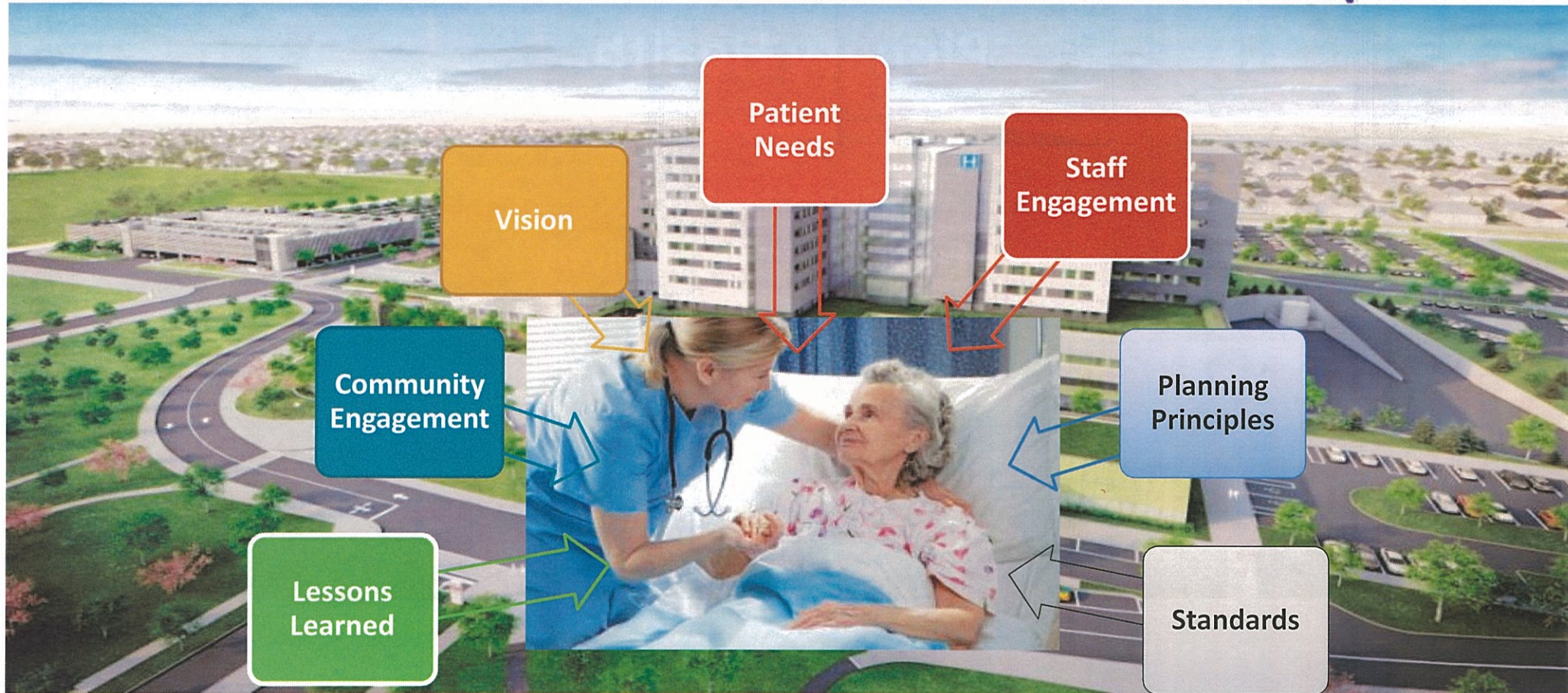
- Over 1,000 Construction Jobs
- Over 1,800 FTE Hospital Staff Positions
- 100 New Physicians
- 700 Volunteers

\* Figures are approximate

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# Planning the New Hospital



Architectural rendering reflects current design concepts. Exterior colors and finishes may change with final design.  
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# Plenary Health

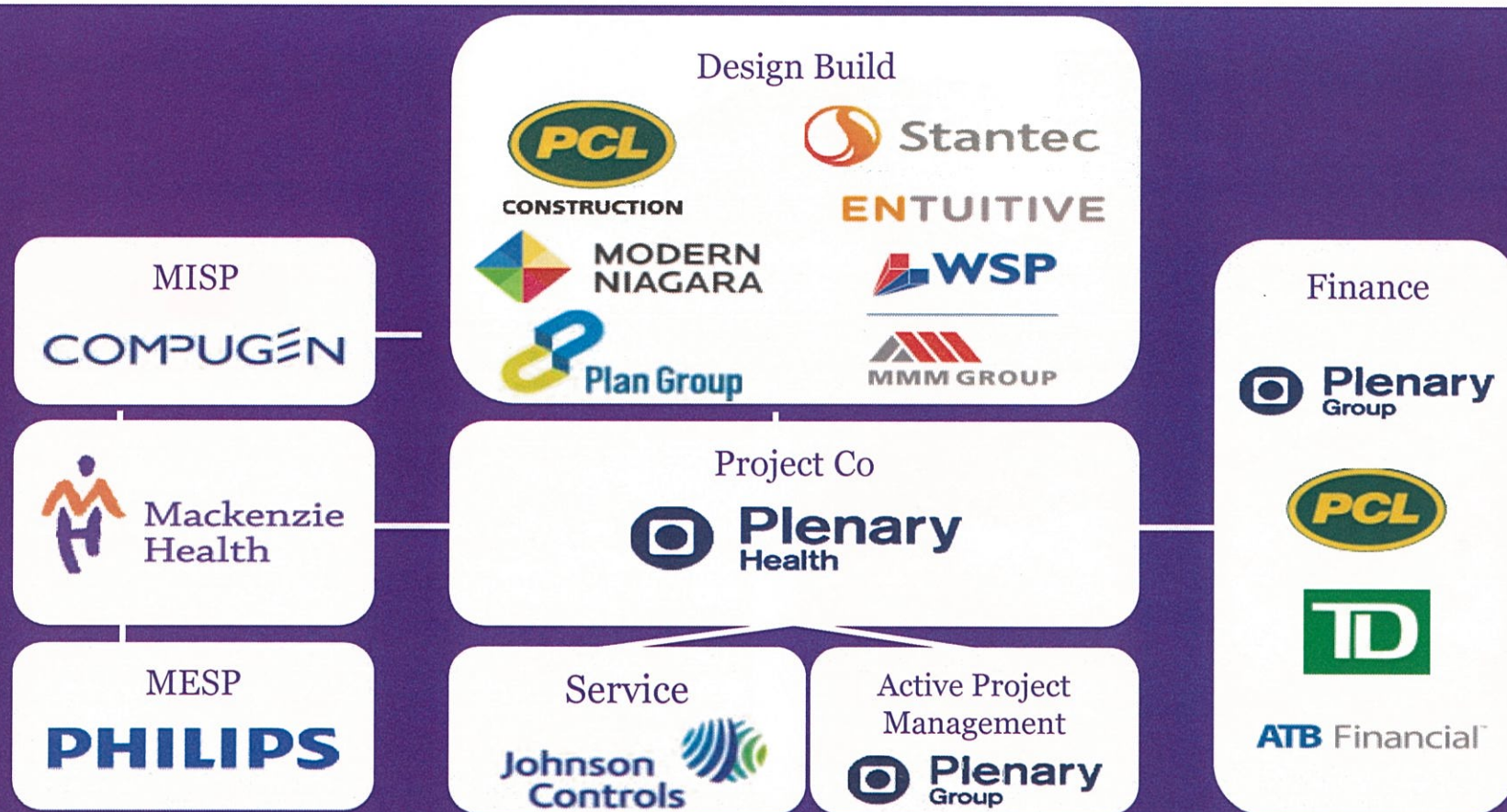
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**Hafeez Habib**  
Vice President, Project Delivery  
Plenary Group





# Plenary Health and Partners



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# Projects In Operation



**North Bay Regional Health Centre**  
North Bay, Ontario



**Bridgepoint Hospital**  
Toronto, Ontario



**NHS Health-Care Complex**  
St. Catharines, Ontario



**St. Joseph's Healthcare Hamilton**  
Hamilton, Ontario

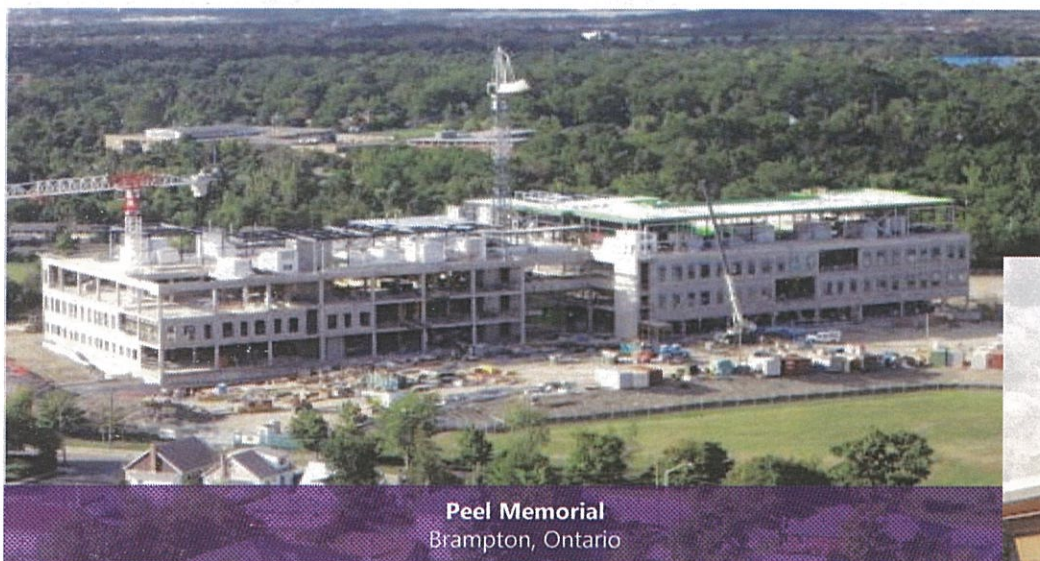


**Humber River Hospital**  
Toronto, Ontario

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# Projects Under Construction



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# Principles and Site Utilization

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**Stuart Elgie**

Senior Principal, Business Centre Sector Leader  
Stantec Architecture



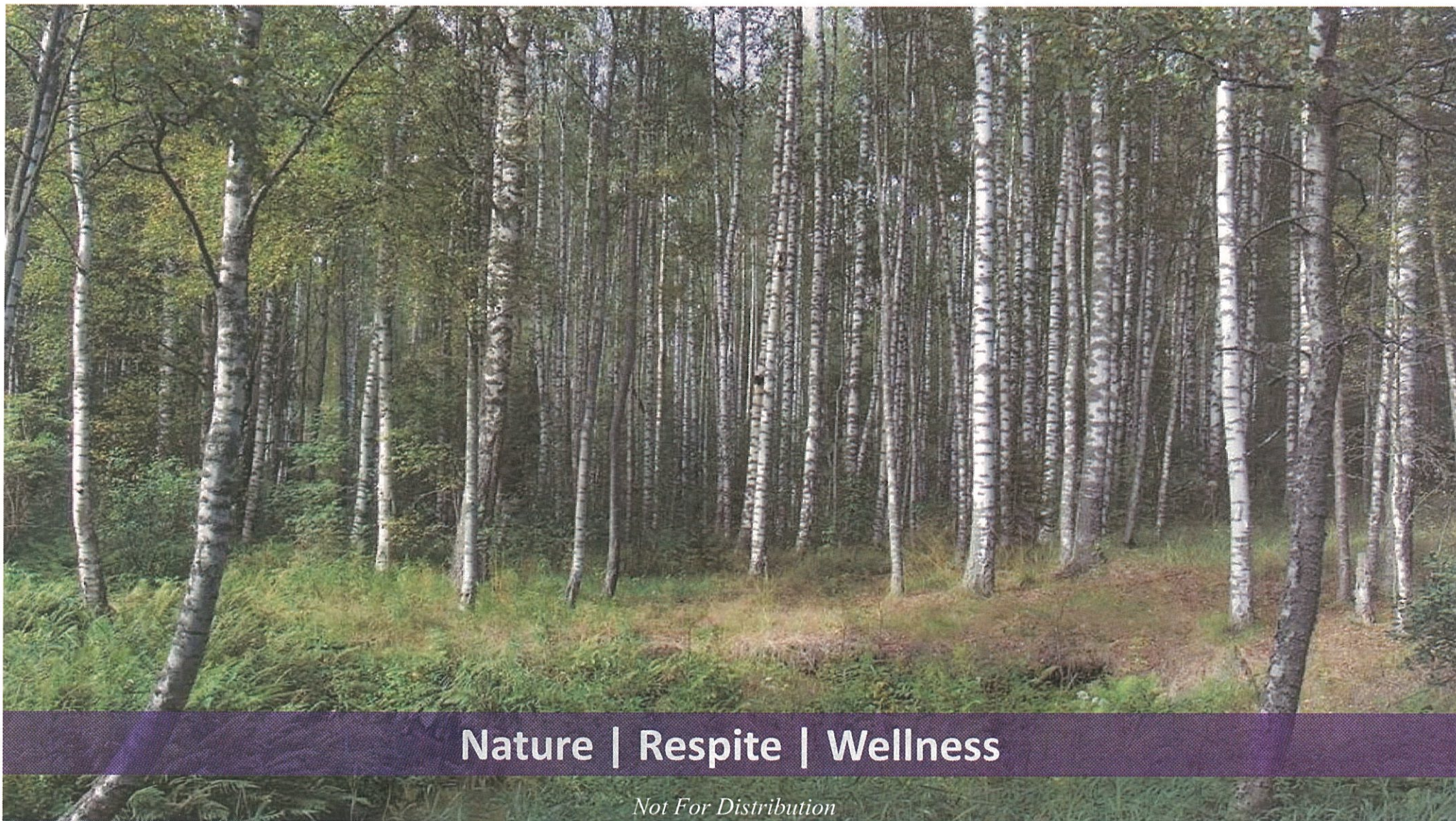




**Humanize | Embrace Individuality | Independence**

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**Nature | Respite | Wellness**

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**Technology | Connectivity | Innovative**

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Aerial View – South Side, Looking North

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# Location of Services

Corporate Support			L11	
Shelled			L10	
Shelled			L9	
Inpatient: Medical - Surgical			L8	
Inpatient: Medical - Surgical			L7	
Inpatient: Medical - Surgical			L6	
Adult Mental Health	Dialysis	Inpatient: Medical-Surgical	L5	
Inpatient: Woman & Child			L4	
Mechanical	Pharmacy	D&T Laboratory	L3	
Inpatient: CCU	Occupational Health	Perioperative	L2	
Emergency	Public	Patient Support	Medical Imaging	L1
Mechanical	Cafeteria	Support Services ( MDR, EVS, Material Management & Food Services)	L0	Loading

## Proposed Scheme

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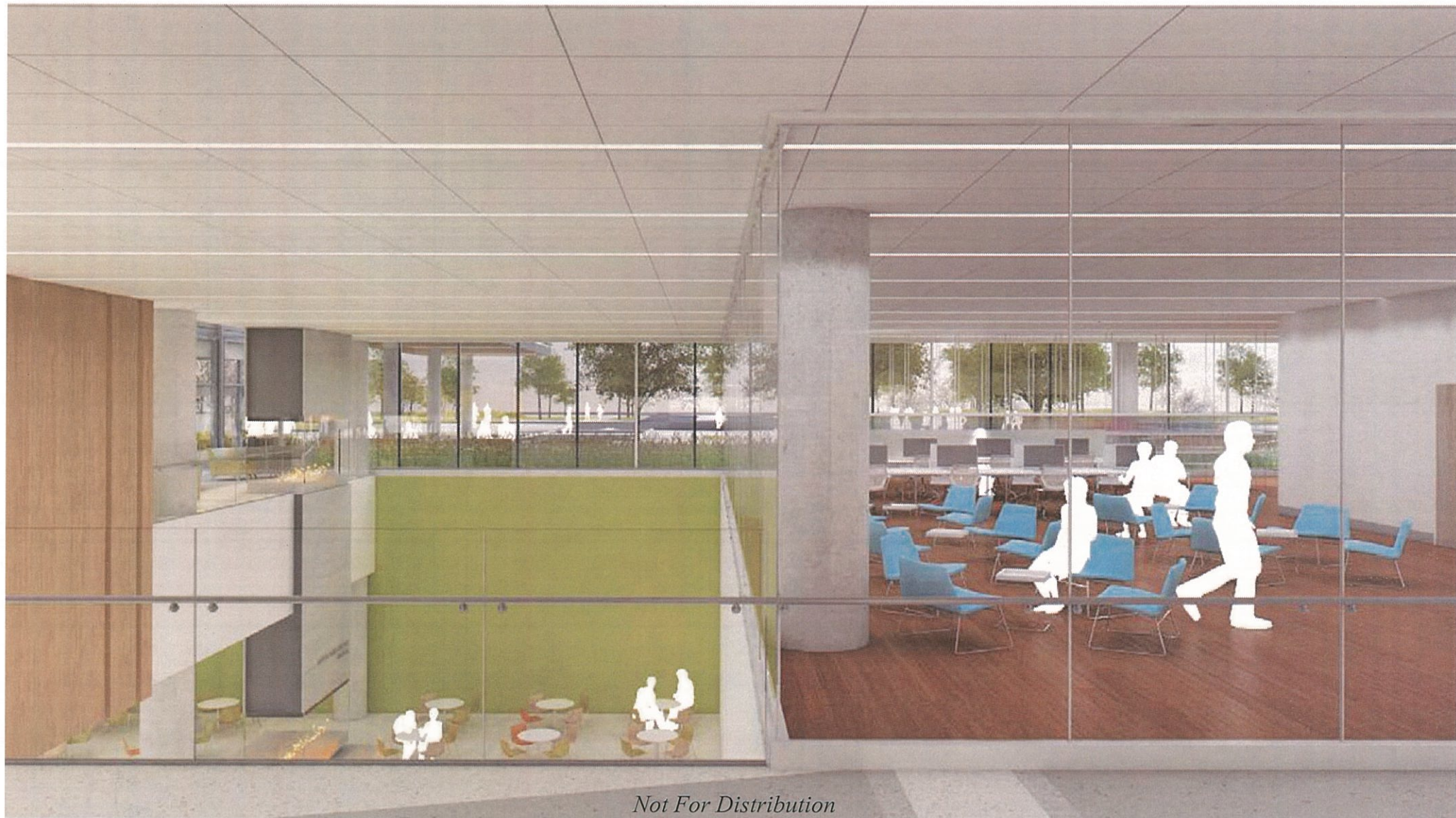
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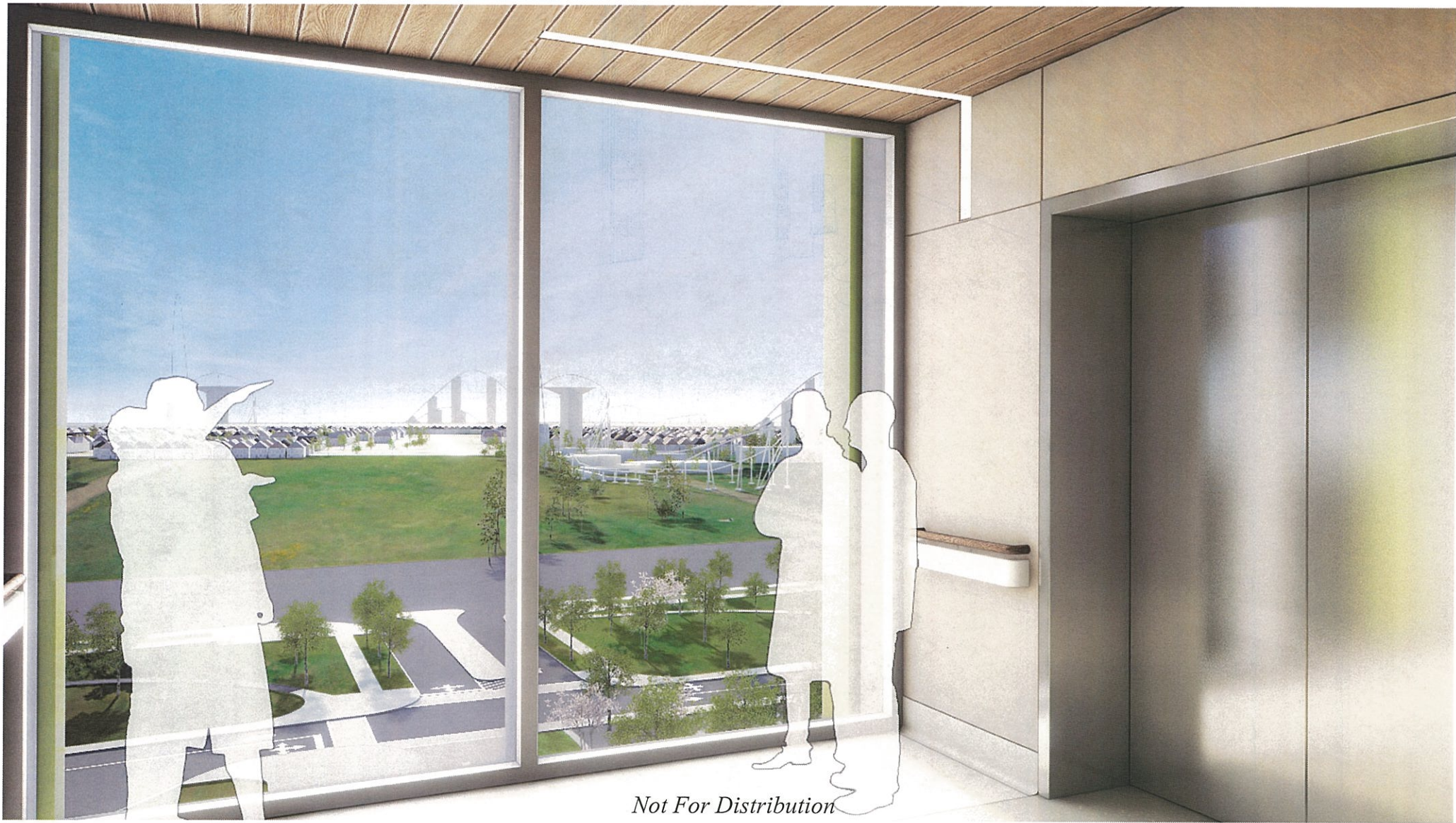
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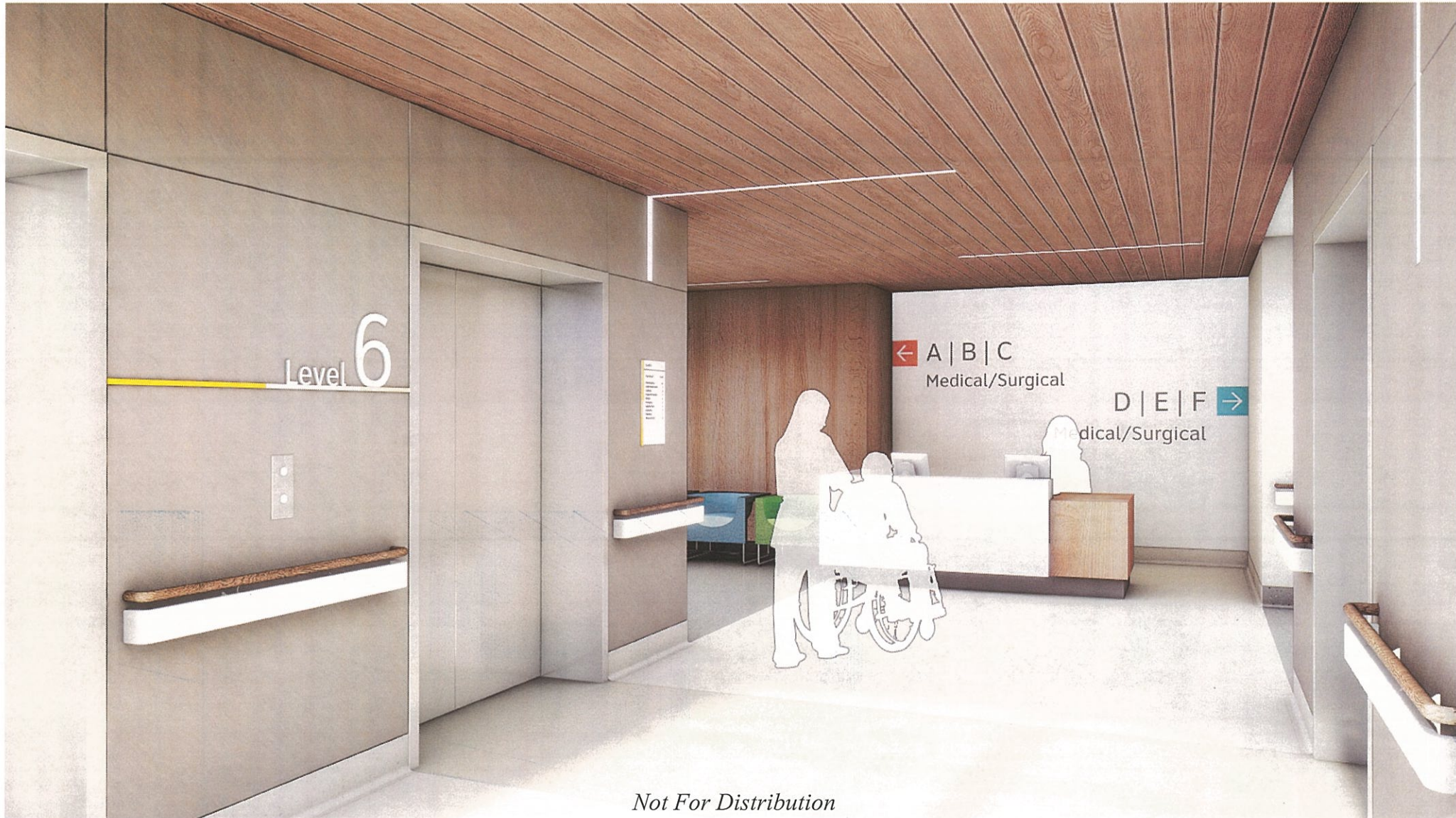
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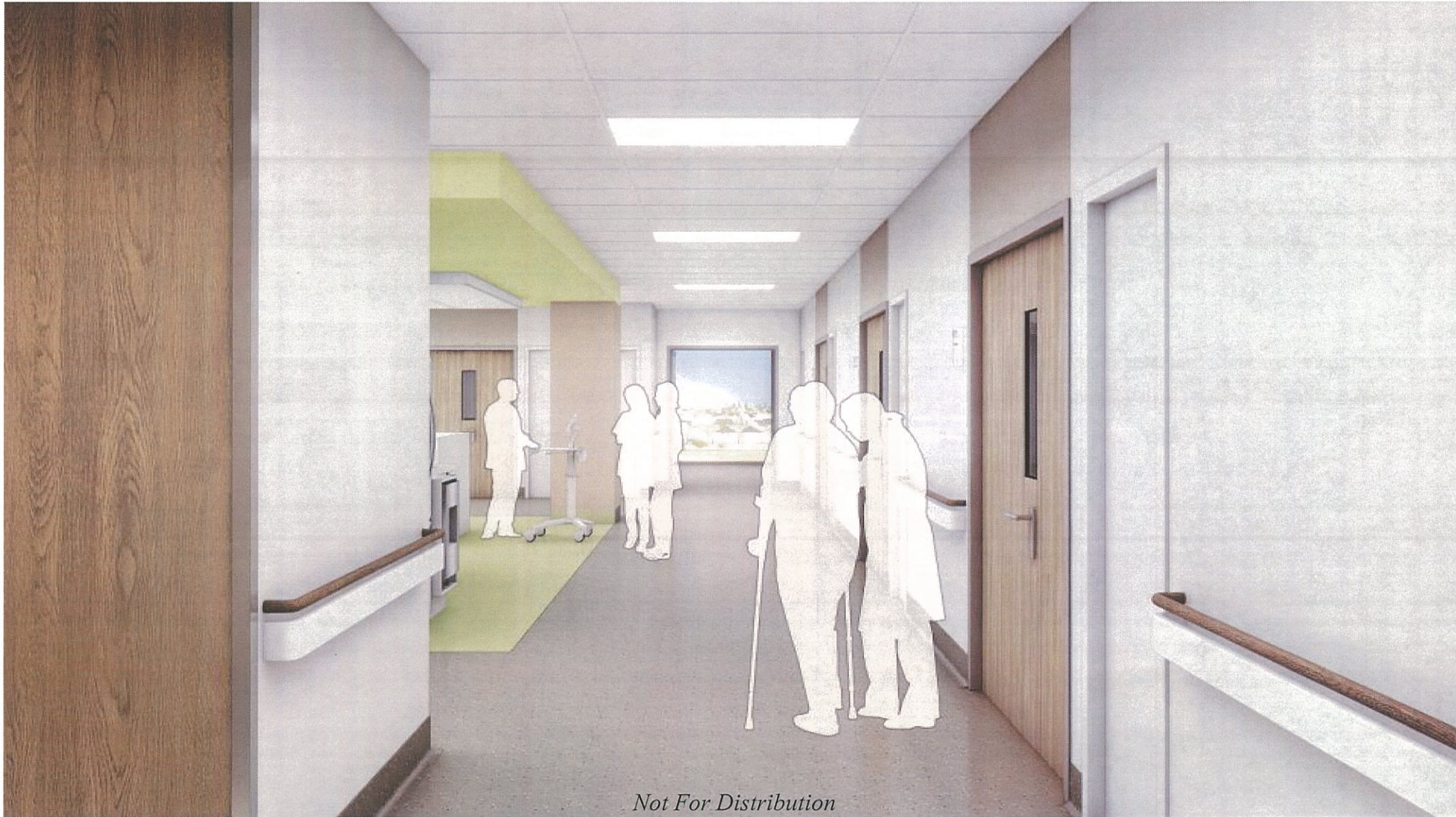
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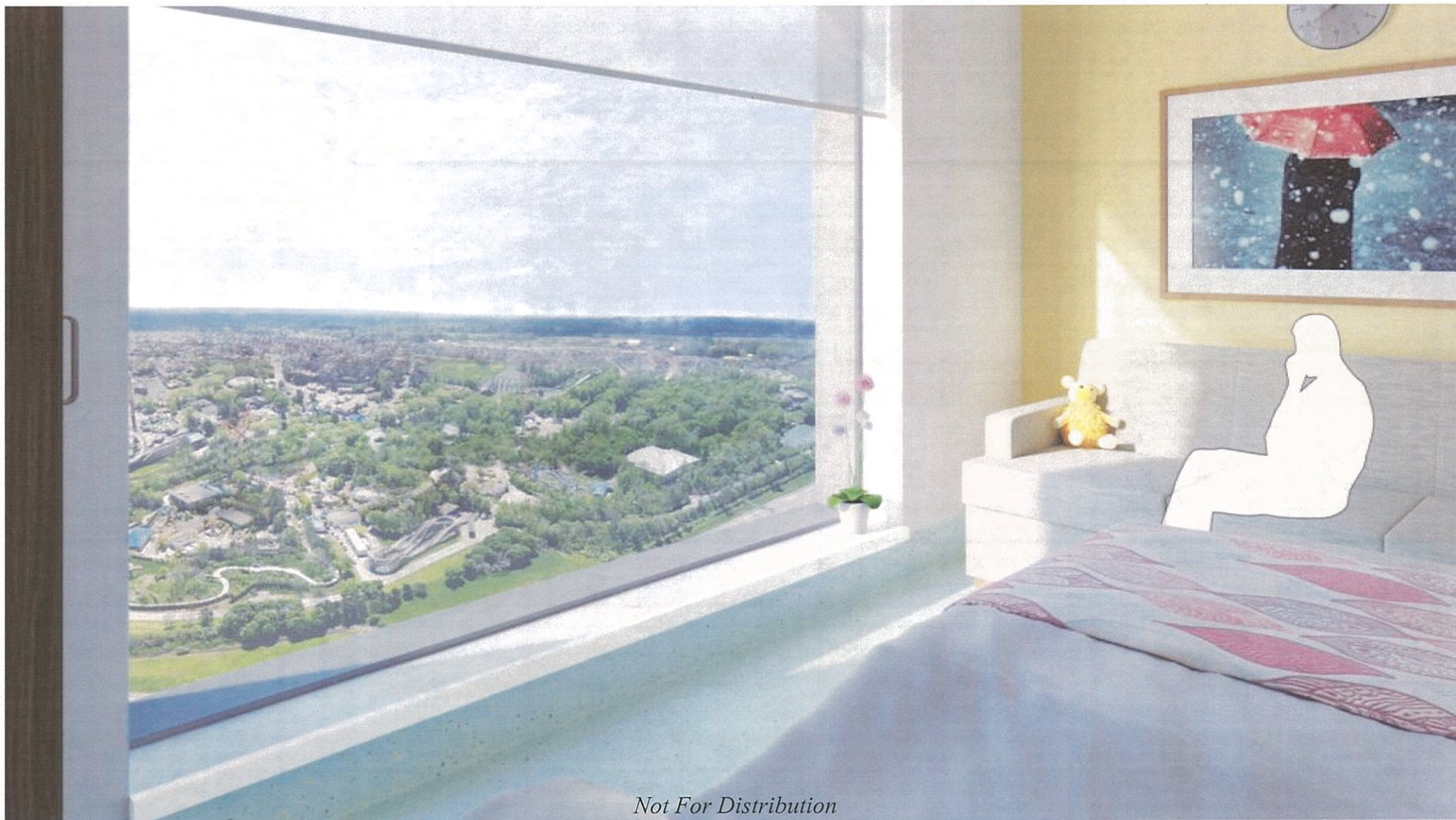
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**Aerial View - East Looking West**

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**Main Courtyard**

*Not For Distribution*





Aerial View - South Side, Looking North

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# Technology and Innovation

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**Altaf Stationwala**

President and CEO  
Mackenzie Health



# Innovation at Mackenzie Health

## *Becoming a Smart Hospital*



### New Electronic Medical Record (EMR)

Integration of software applications into one system to provide seamless access to patient health records

### Managed ICAT Services (MIS)

Infrastructure and services for the devices, network, security and technology management

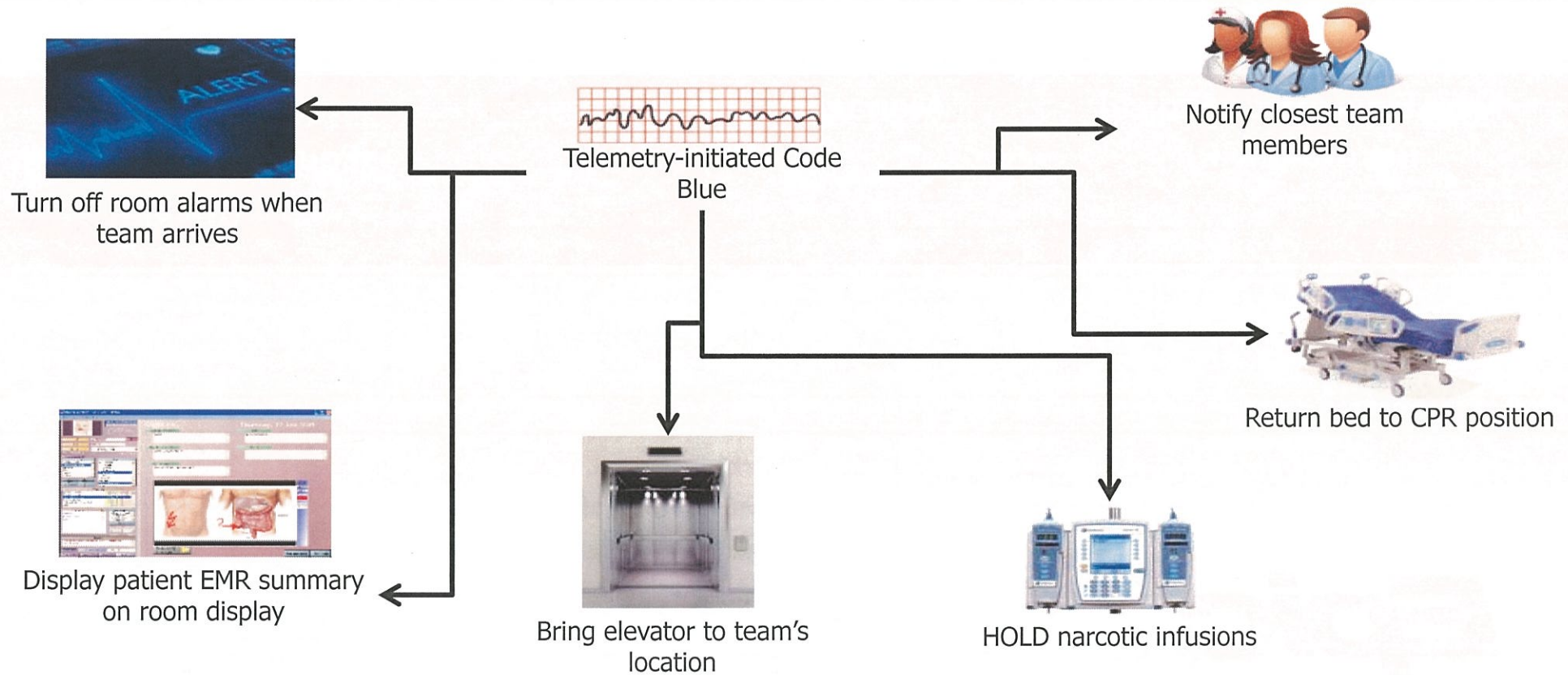
### Managed Equipment Services (MES)

Medical technology procurement, installation, systems integration, maintenance and timely updates





# Smart Hospital Vision in Action



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## Innovation Unit

Special Notification Lights

Mobile Phones

Smart Station

Hand Hygiene  
Support Solution

Smart Beds

Smart ID Badges

Data Centre

Smart Infusion Pumps





# Questions?

