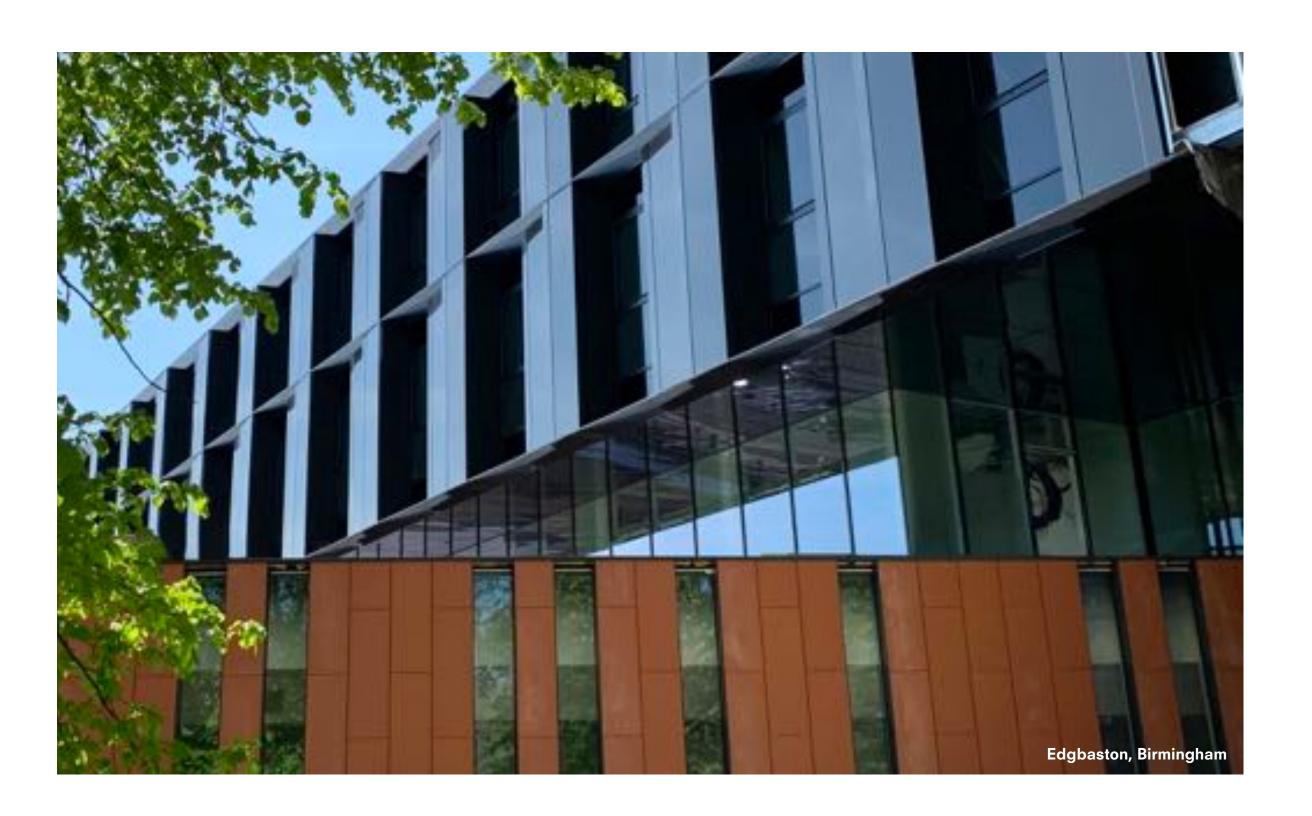
Collaborative Approach to Healthcare Design: Circle Health and Bryden Wood







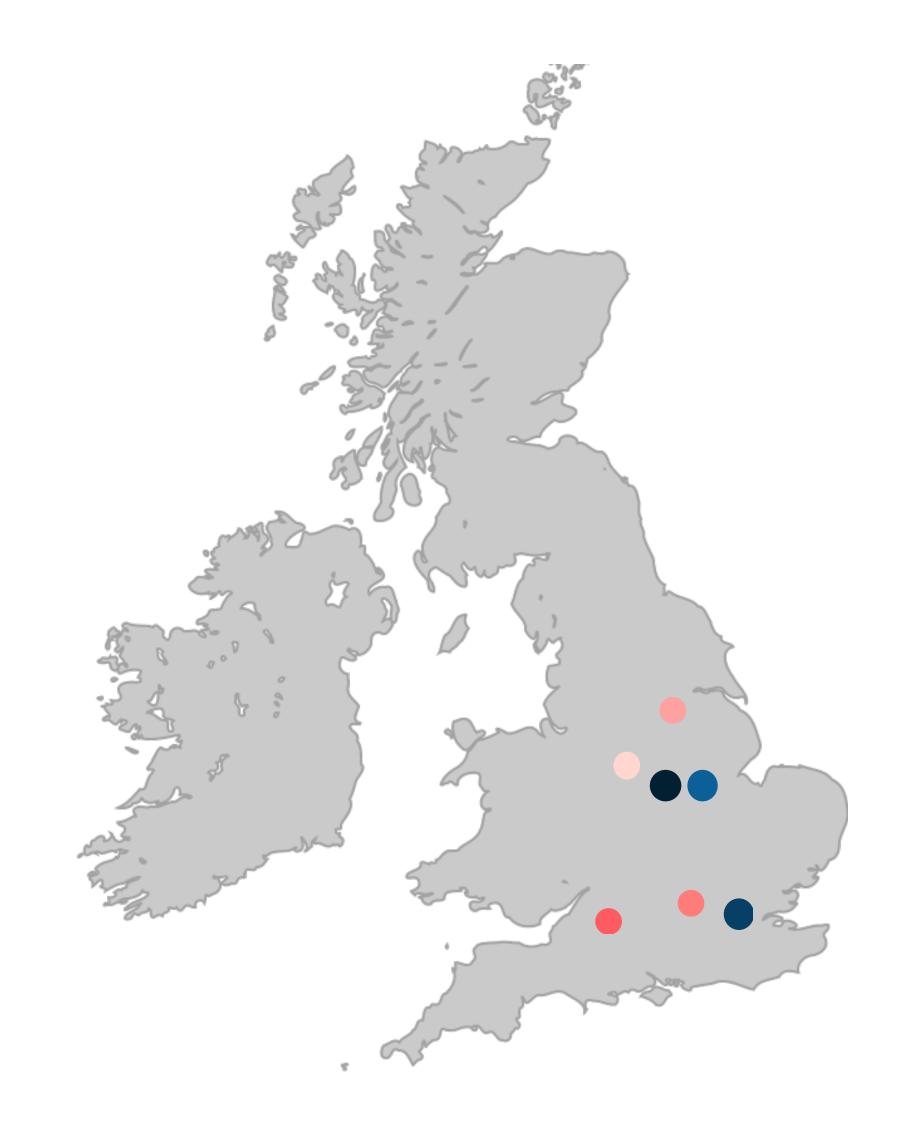
Introduction to Circle Health

Introduction To Circle Health

Circle Current Operations

Location	Contract	Opening Date	CQC Rating	Patients Treated (FY16)	
Nottingham	Large scale Treatment Centre	Jul-08	GOOD	231,351	
Bath	Independent Hospital	Mar-10	GOOD	50,503	
Reading	Independent Hospital	Aug-12	GOOD	65,050	
Bedfordshire	MSK Integrated care	Apr-14	-	440,000 (pop covered)	
Greenwich	MSK Integrated care	Apr-17	-	276,000 (pop covered)	
Northamptonshire	MSK referral management	March 2018	-	726,000 (pop covered)	
Rushcliffe	MSK referral management	Apr 2018	-	125,XXX (Pop. covered)	
Birmingham	Independent Hospital	2019	-	-	

- Circle Birmingham
- Circle Nottingham NHS Treatment Centre and Rushcliffe MSK
- Circle Reading
- Circle Bath
- Bedford MSK
- Greenwich MSK
- Northampton MSK
- International Circle Harmony, Shanghai



Introduction To Circle Health





Circle Bath Hospital

Operating Theatres	4	
Consulting Rooms	9	
Day beds	21	
Inpatient beds	28	
Employees (2017)	217	
Patients treated (2017)	63,739	

Circle Nottingham

Operating Theatres	5	
Consulting Rooms	60	
Day beds	26	
Inpatient beds	16	
Employees (2017)	570	
Patients treated (2017)	225,049	

Introduction To Circle Health





Circle Reading Hospital

Operating Theatres	5	
Consulting Rooms	15	
Day beds	20	
Inpatient beds	30	
Employees (2017)	213	
Patients treated (2017)	79,419	

Circle Birmingham Hospital

Operating Theatres inc End	4
Consulting Rooms	14
Day beds inc. Ambulatory 8	23
Inpatient beds	20
Rehabilitation beds	120

Quality at Circle Health

Best Patient Experience

- Would Recommend rate
- Wait Times for Treatment
- Incidents/Claims rate
- Making Every Contact Count

Best Clinical Outcomes

- Return to Theatre within 30 days rate
- Readmission within 30 days
- Patient Reported Outcome Measures
- Hospital Acquired Infection rate

Most Engaged Staff

- Turnover rate
- Sickness rate
- Would Recommend rate
- Perkbox incentives

Best Value

- Cost per Patient
- Length of Stay
- **CQUIN** Achievement rate

















Care Quality Commission Ratings

	Nottingham	Bath	Reading	Bedford	Greenwich
Overall Rating					
Safety					
Effectiveness					
Caring					
Responsive					
Well-Led					
Surgery (incl Gynae)				N/A	N/A
OP & Diagnostics				N/A	N/A

Outstanding

Good

Requires Improvement

Circle Birmingham Hospital

Acute Services

- 20 inpatient beds, expandable to 40
- 3 operating theatres, expandable to 5
- 1 minor ops / endoscopy suite
- 15 day-case beds
- 8 Ambulatory Care
- 14 consulting rooms, expandable to 23
- 3T MRI, CT, digital X-Ray



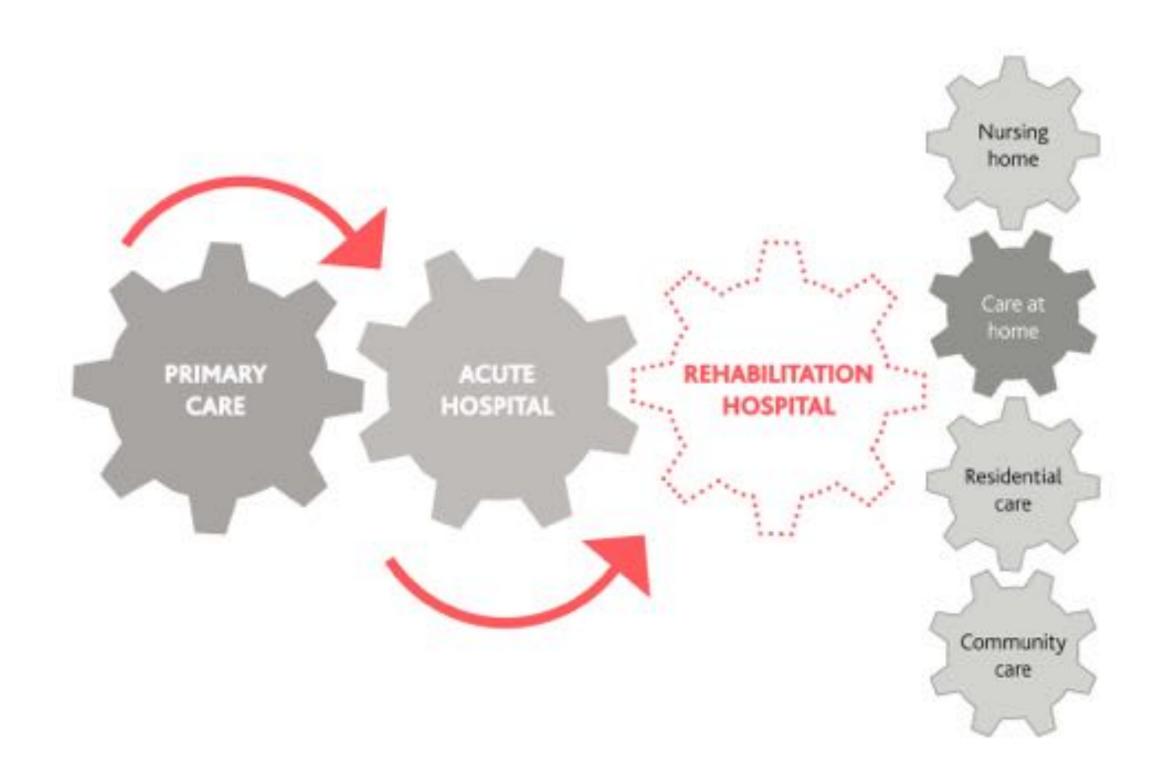




Circle Health Rehabilitation

Rehabilitation

- Partnership with Vamed the leading European rehabilitation
- A dedicated rehabilitation unit offering 120 beds over 2 floors
- 9 consulting rooms
- 15 day-case beds
- Over £55m invested in leading worldwide rehabilitation technologies enabling stroke patients become mobile faster, athletes perform better, and patients return home sooner



Circle Health Rehabilitation









Circle Health Rehabilitation

Rehabilitation

- Framework Approach: Generic model delivered by design team, with contractor to design and build Site Specific Design
 - Design Team incentivised on reducing project specific costs
 - Abnormal costs should be measured and part of the pain calculation to Design Team
- Project Contract Sum: lump-sum fixed price, tendered to medium-size main contractor
- GIFA of Rehab Unit 8,500m2
- Potential for modular build

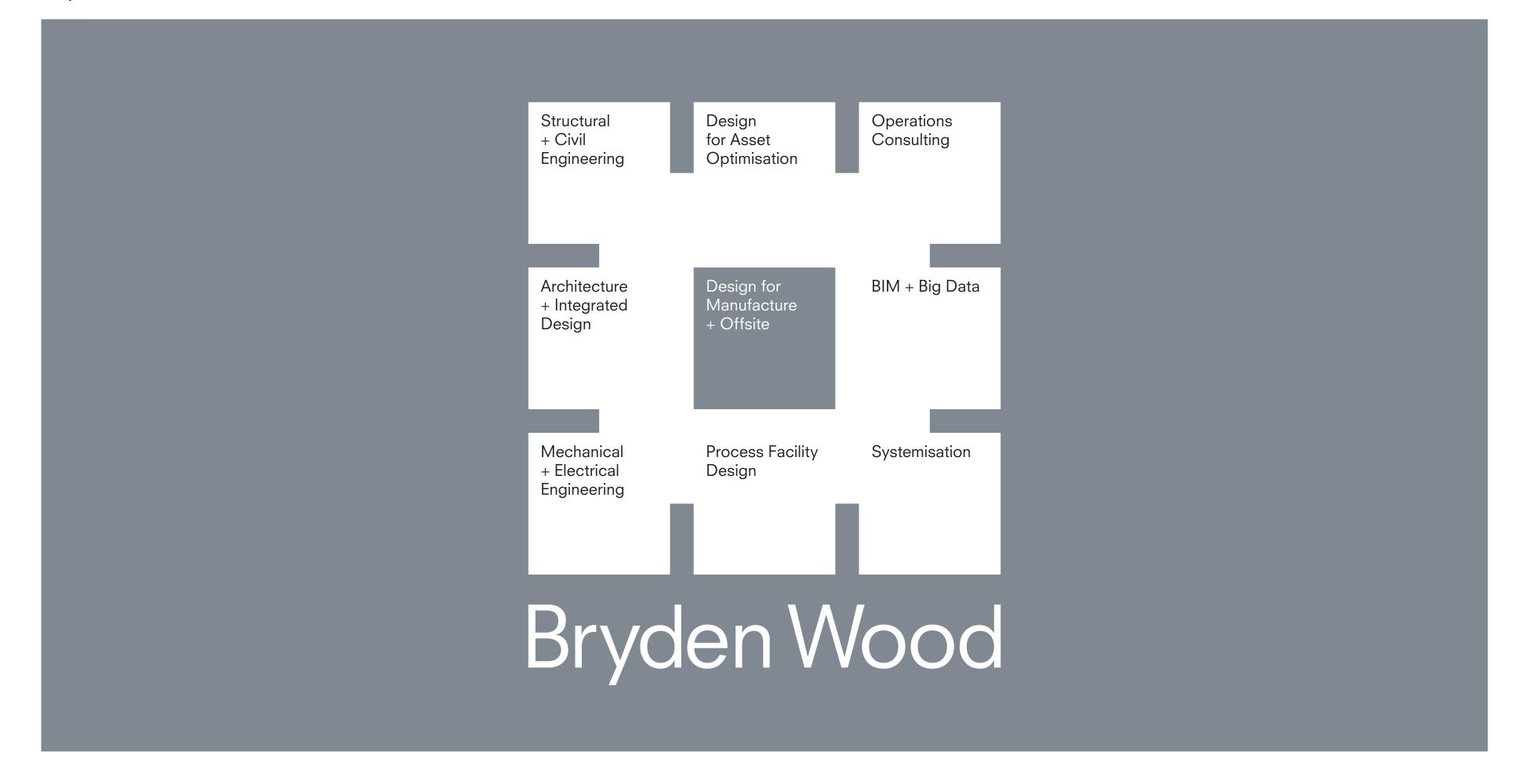
Design Team Contractor 3. Site 1. Design 2. Technical 5. Post Design Tender Specific & Generic Design (Works Occupancy Period Construction Building . Technical Order) Performance Model Design

Generic Process

Project Specific Process

Introduction to Bryden Wood

Bryden Wood - About us



Bryden Wood - About us // DfMA







































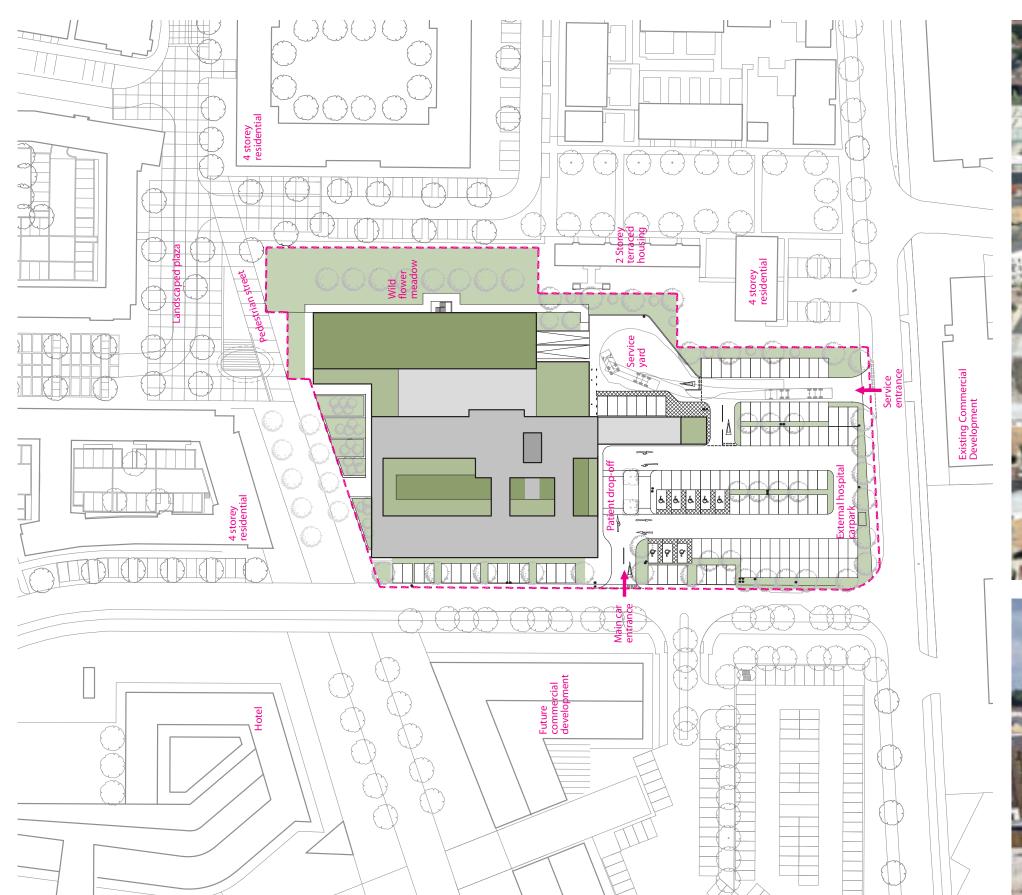


Circle Reading Hospital

Circle Reading Hospital



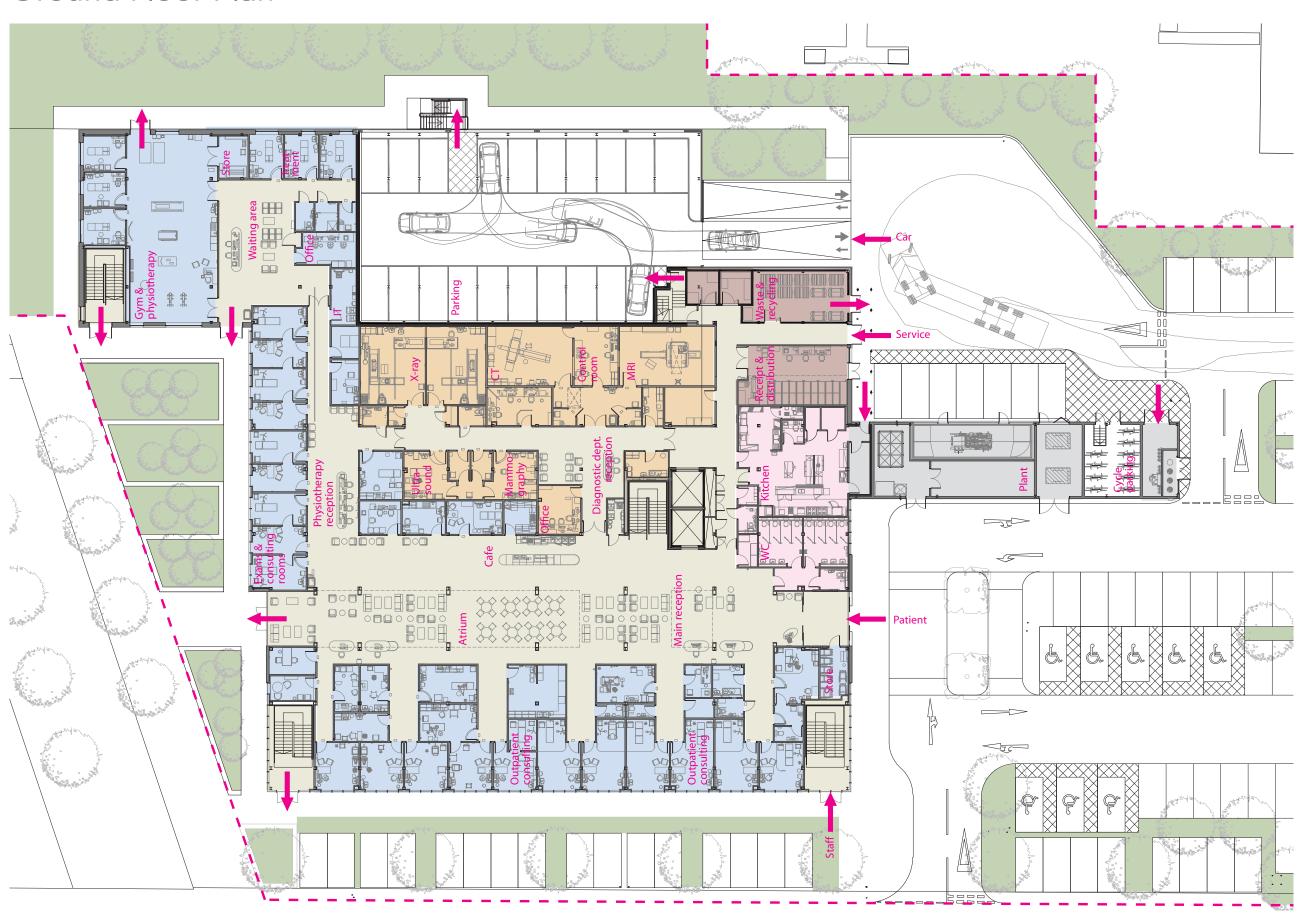
Site Plan





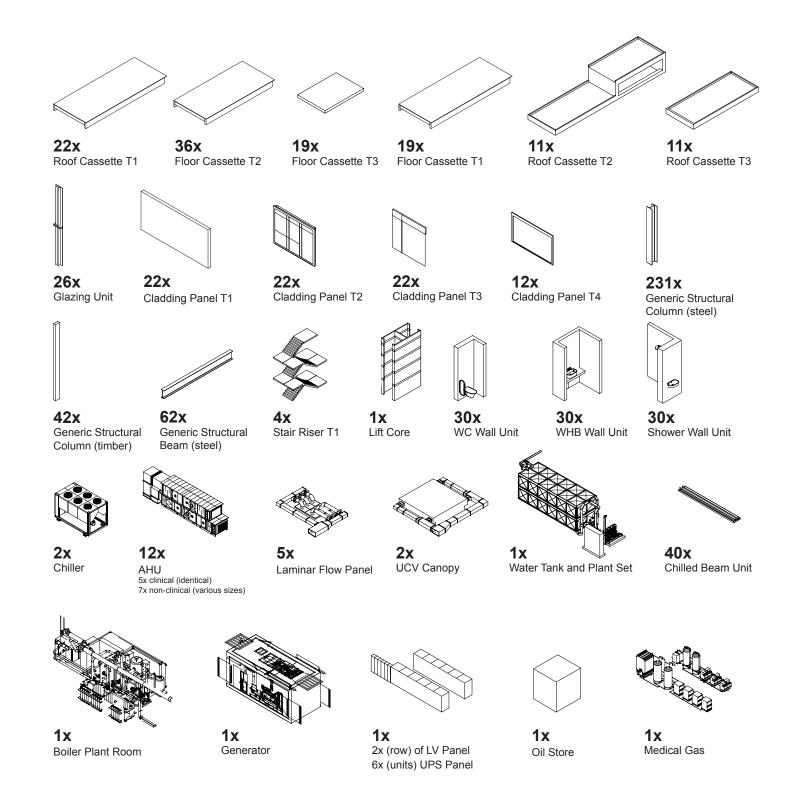


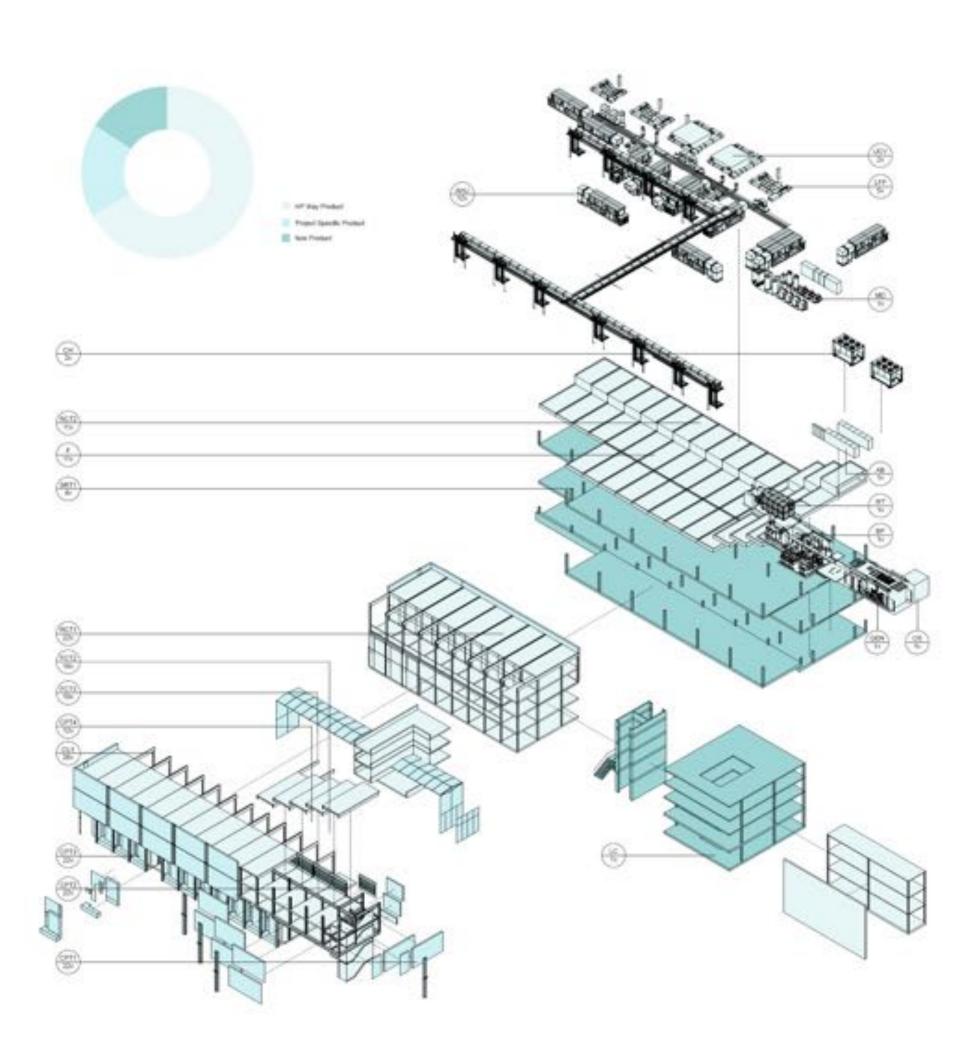
Ground Floor Plan





Creating Circle Health's HP Way

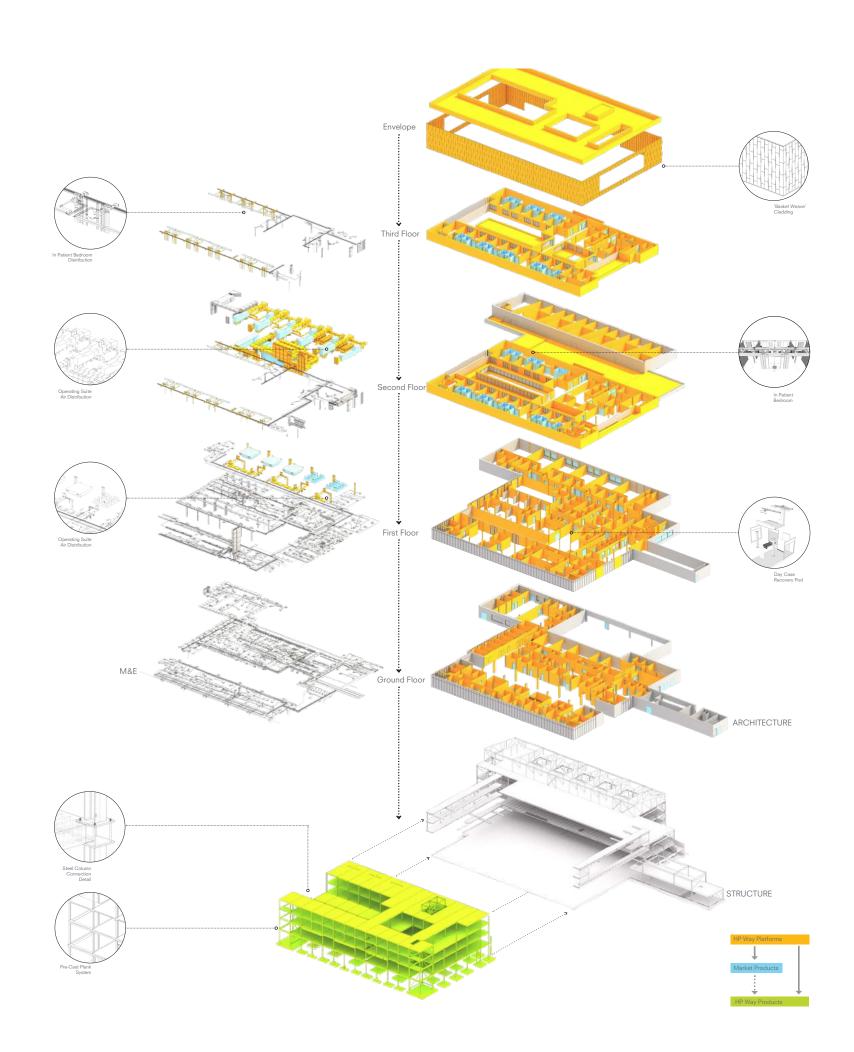


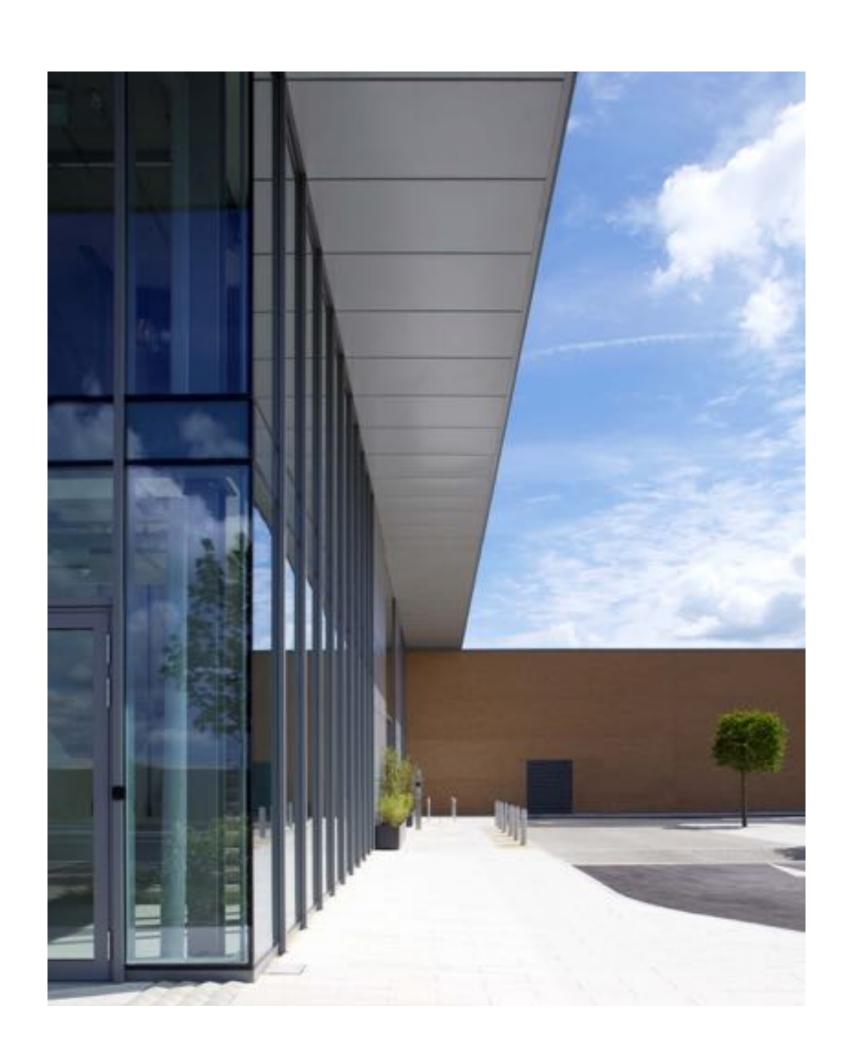


Creating Circle Health's HP Way

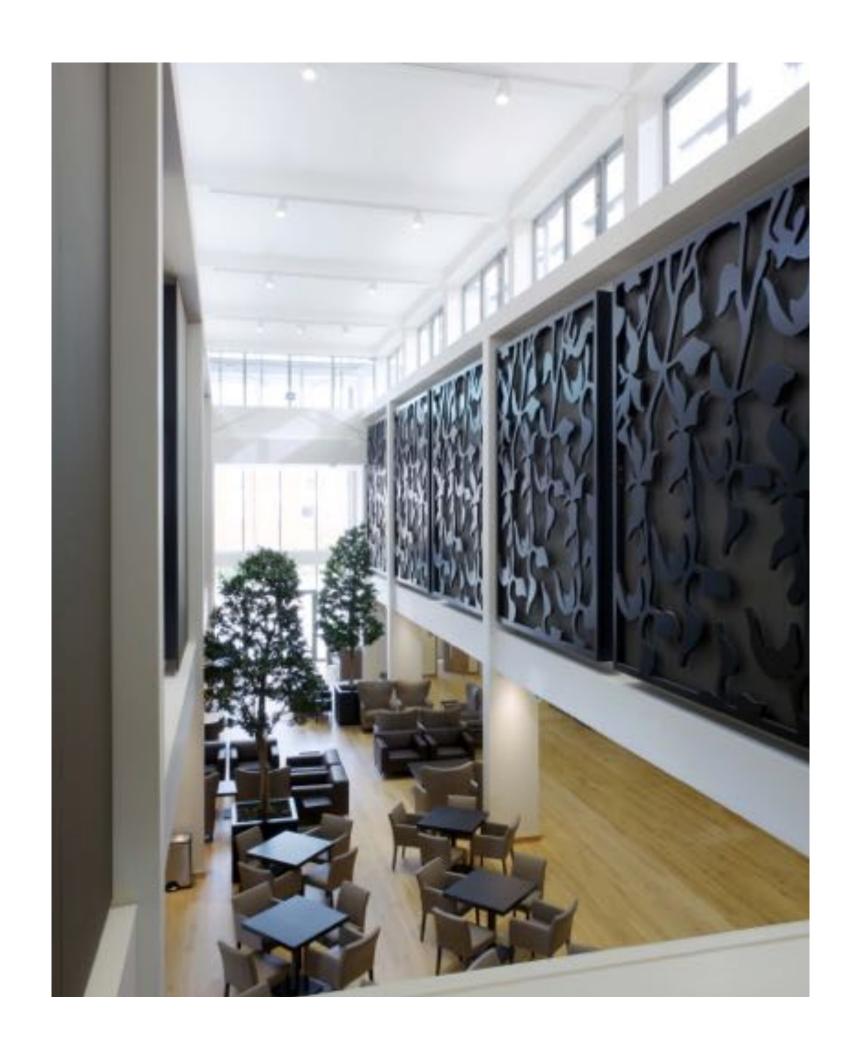
60% Platforms 20% Products







25% More affordable



25% More affordable

20% Quicker to build





25% More affordable

20% Quicker to build

25% More compact





Awarded 'Best patient experience' at Building Better Healthcare Awards, UK





Awarded 'Best patient experience' at Building Better Healthcare Awards

"Excellent in every way... Attractive clean surroundings, helpful friendly staff, everything efficient and on time."





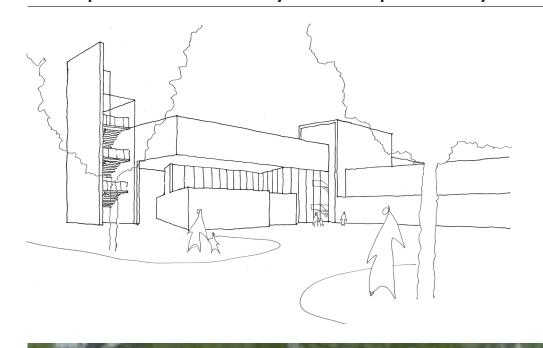
Awarded 'Best patient experience' at Building Better Healthcare Awards

"Excellent in every way... Attractive clean surroundings, helpful friendly staff, everything efficient and on time."

"Mummy, I thought you said we were going to a Hospital?"

Circle Birmingham Hospital

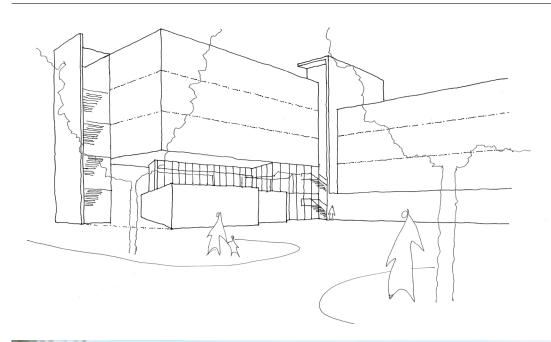
Hospital Flexibility / Adaptability - Phase 1 and Completed Hospital







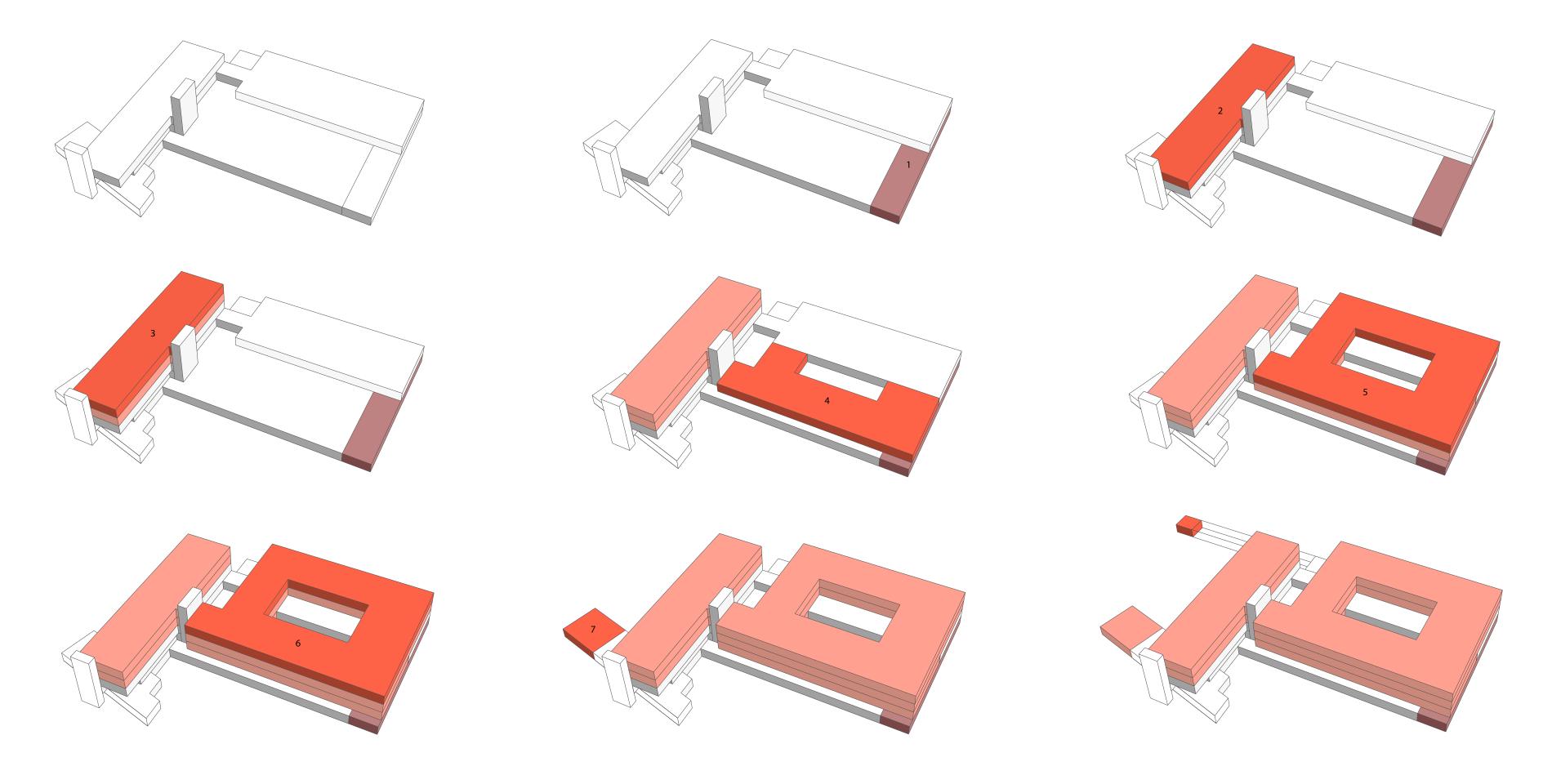
Hospital Flexibility / Adaptability - Phase 1 and Completed Hospital





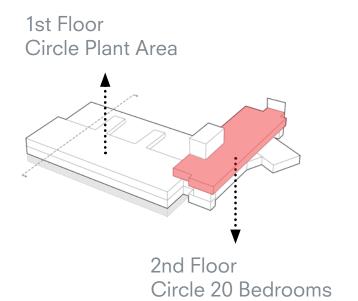


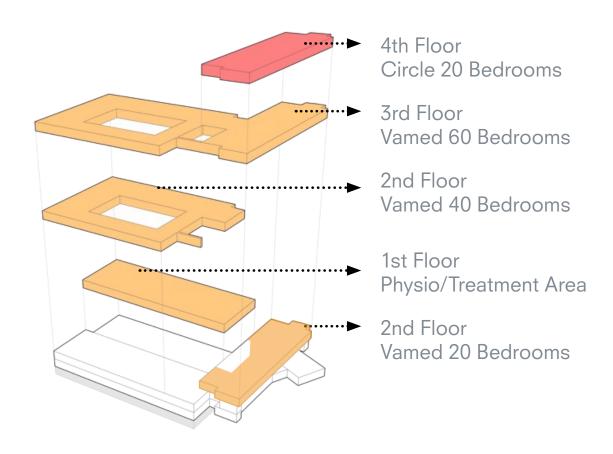
The future proofing strategy

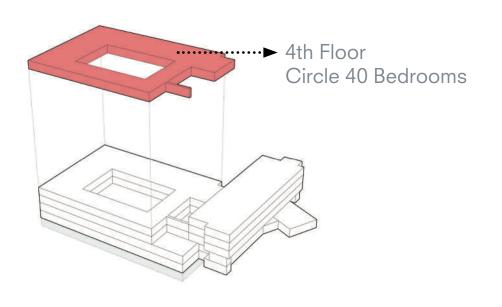


Circle Birmingham Hospital + Rehabilitation

Introduction of the 120-bed Rehabilitation Facility







PHASE 1 DESIGN

REHABILITATION FACILITY EXPANSION

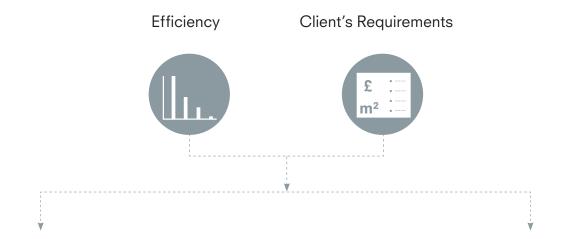
REHABILITATION FUTURE PROOFING





Circle Rehabilitation Framework

Conclusions and future goals

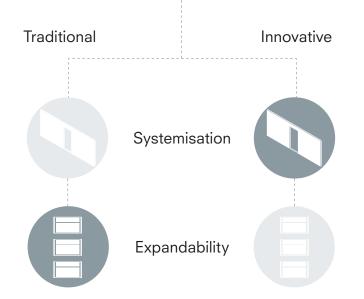


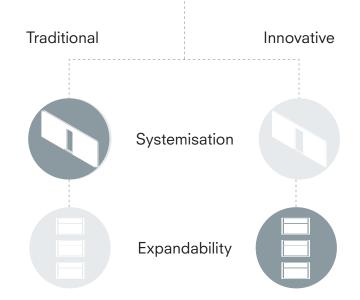
Circle Reading Hospital

Circle Birmingham Hospital









How Can We Combine Offsite Solutions With Flexibility/Expandability Requirements?

Conclusions and future goals - Hospitals Standardisation

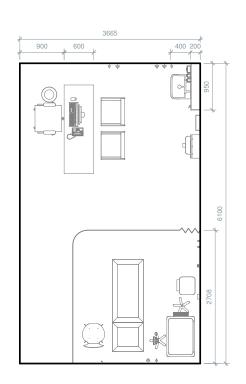


Figure 1. Consultation Room

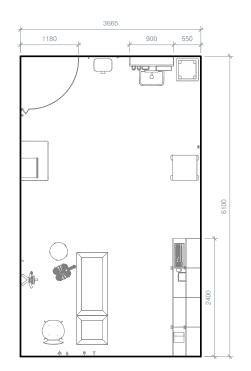
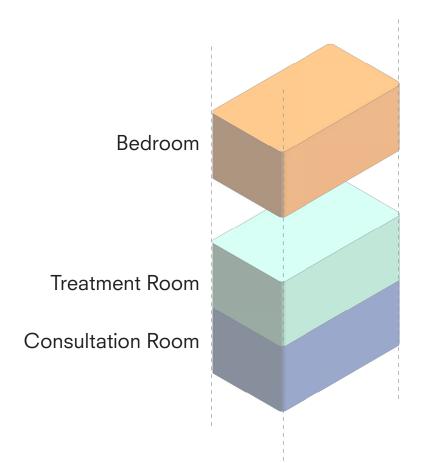
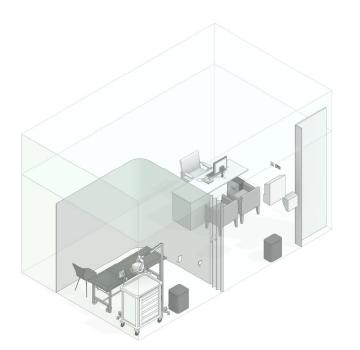
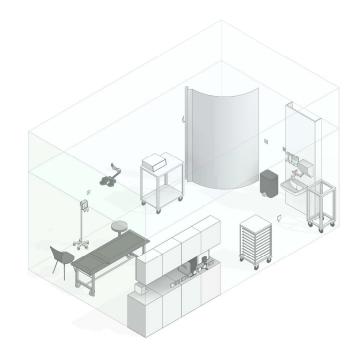
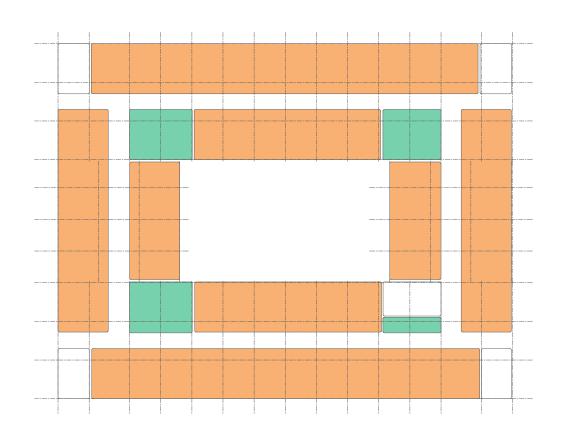


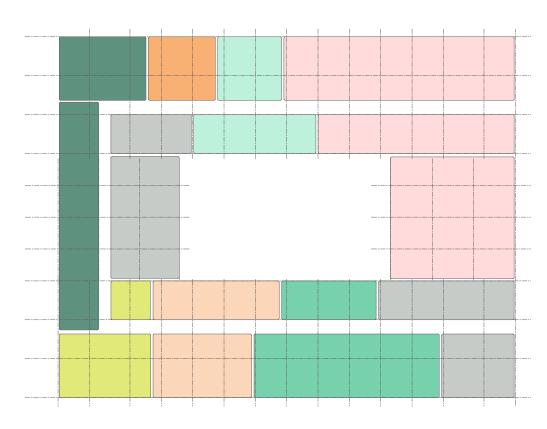
Figure 2. Treatment Room



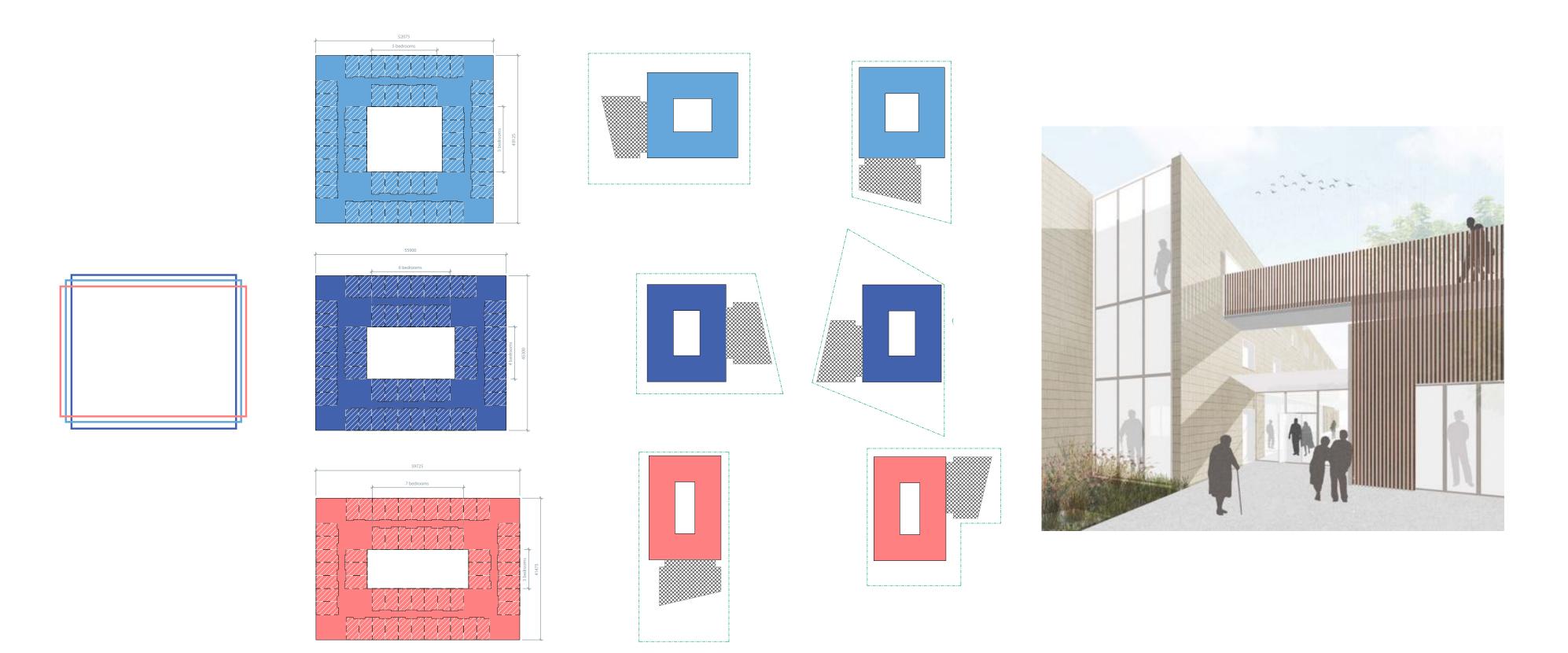








Conclusions and future goals - Hospitals Standardisation



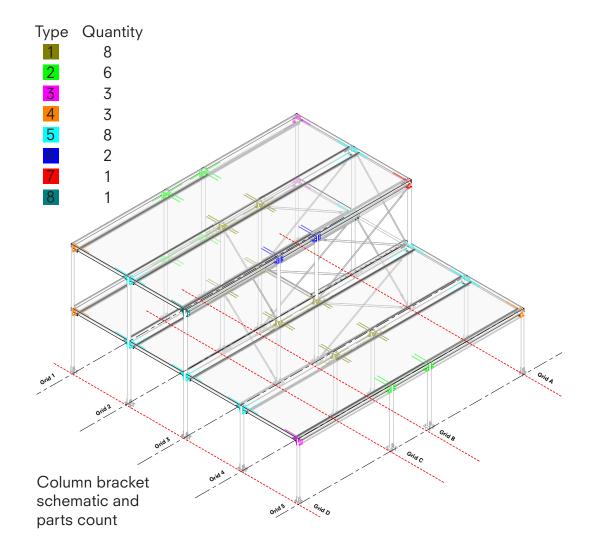
Conclusions and future goals - Platforms

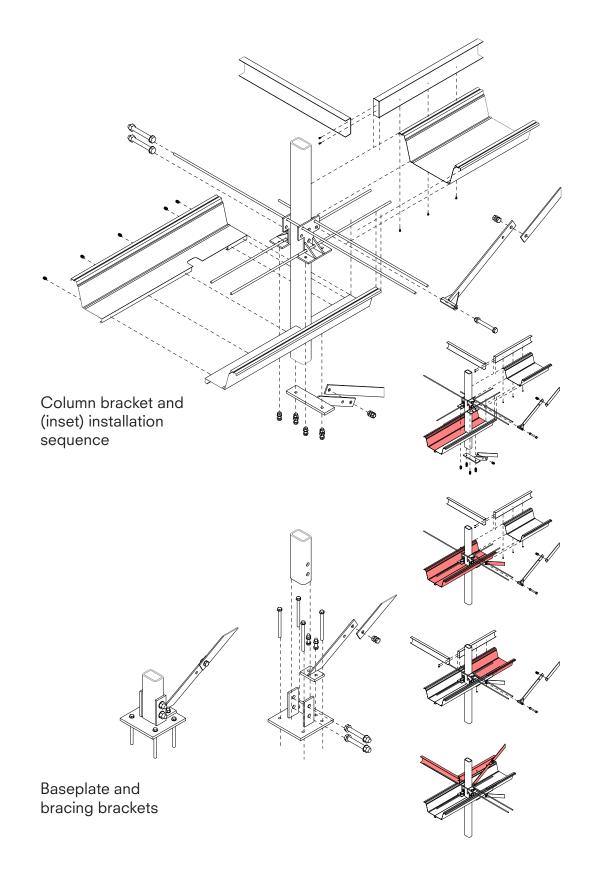
Intelligent, accurate interfaces

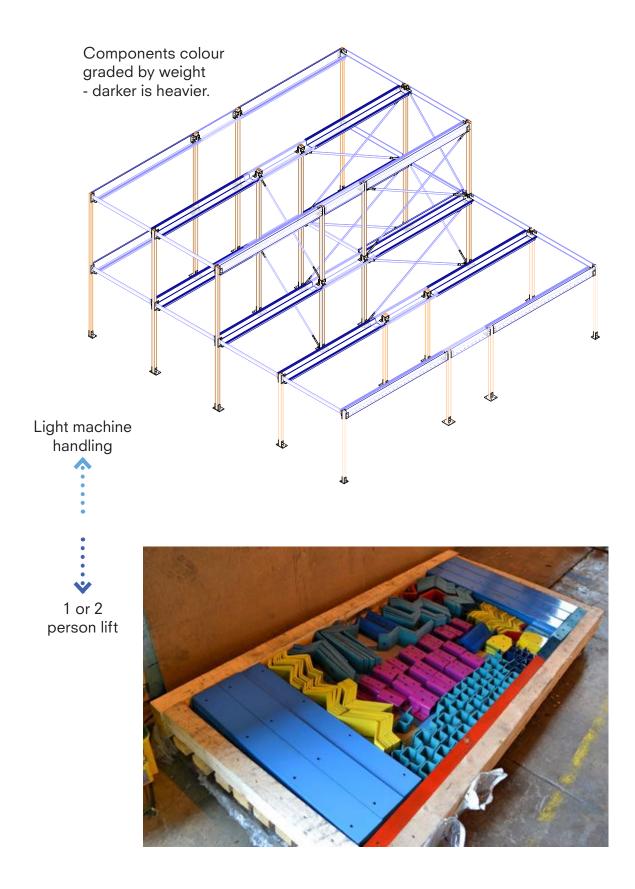
The diagram below shows the bracketry required for the sample section. It should be noted that regardless of the size of the facility constructed using Platform 2, there are only:

- 8 types of column brackets;
- 10 types of baseplate brackets for all conditions
- 12 types of bracing brackets

These are fabricated in large numbers to very high degrees of accuracy.





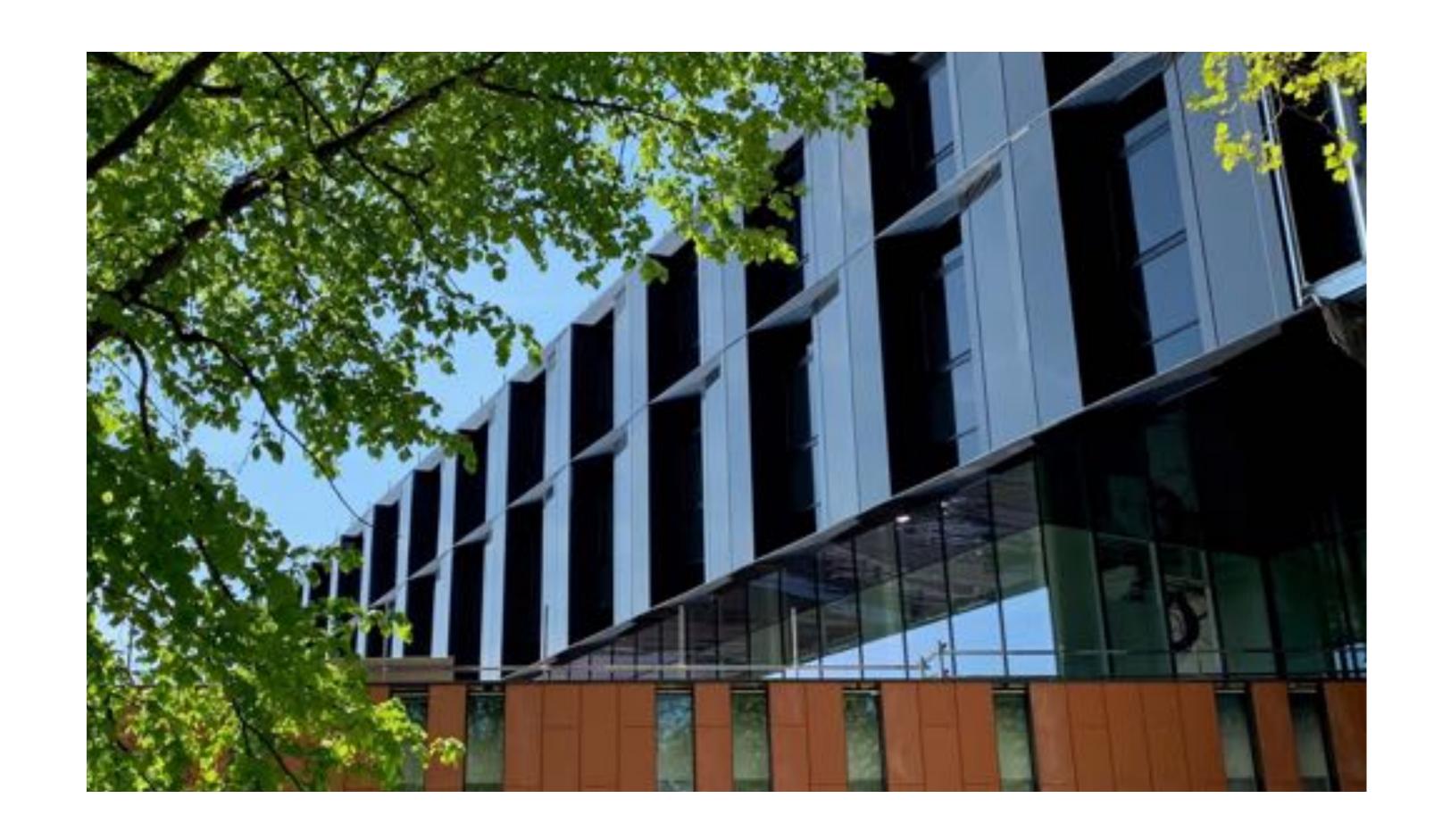


Conclusions and future goals - Platforms









Thank You