

Sjukhuset-lärdomar av covid-19

Ett europeiskt perspektiv

Isabel Sanchez



26-28 APRIL ELMIA, JÖNKÖPING
HYGIENDAGARNA 2022
SVENSK FÖRENING FÖR VÅRDHYGIEN





European Health Property Network

Vårt uppdrag

Vi strävar efter att främja bättre standarder och effektivare investeringar i hälsofastigheter över hela Europa.

Våra medlemmar

Våra medlemmar består av nationella hälsovårdsavdelningar, regionala hälsomyndigheter, FoU-organisationer och yrkesorganisationer.



<https://www.euhpn.eu/>

info@euhpn.eu



European Health Property Network



Pandemic Resilience

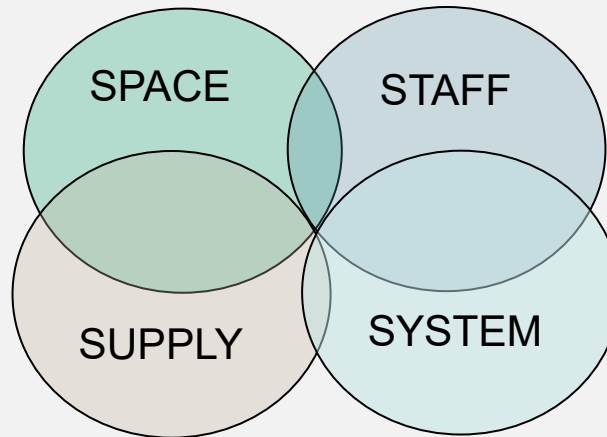
Resilient organisations understand how hospitals can adapt and grow through the current pandemic. The study below aims to share information between professionals for a better future resilience.



white

COMENTUM

RAMBOLL



<https://c.ramboll.com/pandemic-resilience>



Transformationsstrategier under pandemin

Omvandling av **icke-sjukvårdsbyggnader**

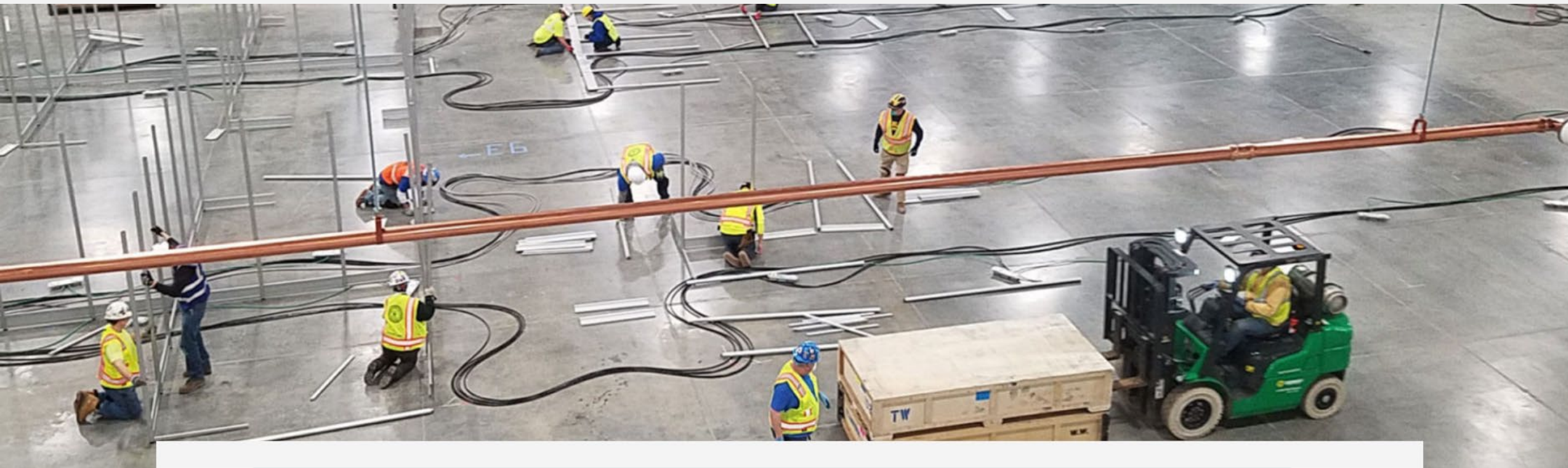
Omvandling av **befintliga sjukhus:**

- nyligen färdigställda sjukhus
- äldre befintliga sjukhus

Plug-in utrymmen till befintliga sjukhus

Genomförande av **pågående projekt och nya initiativ**



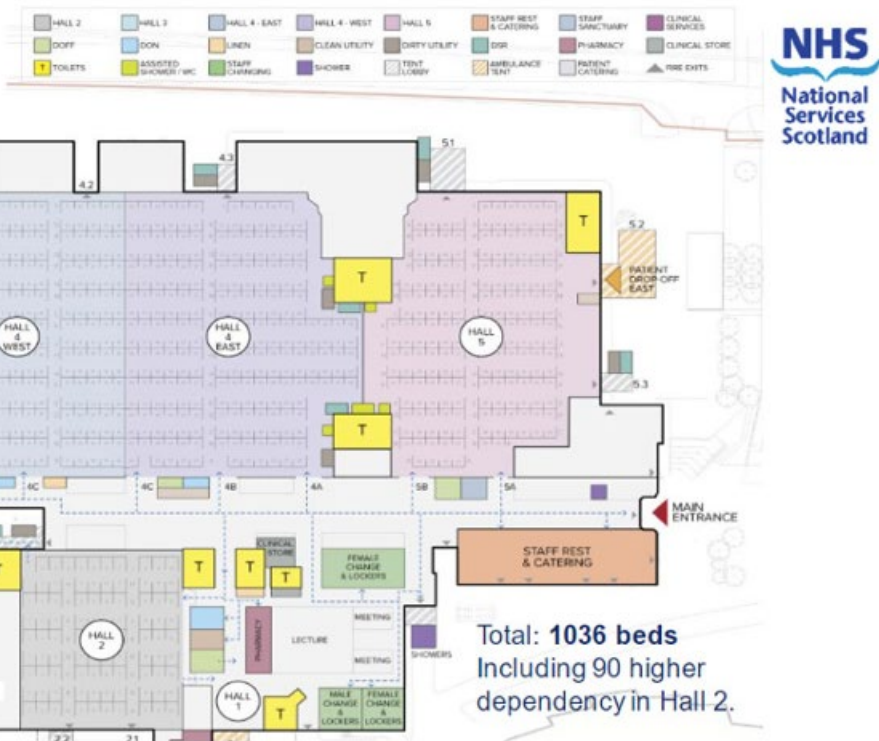


Omvandling av icke-sjukvårdsbyggnader



Omvandling av icke-sjukvårdsbyggnader

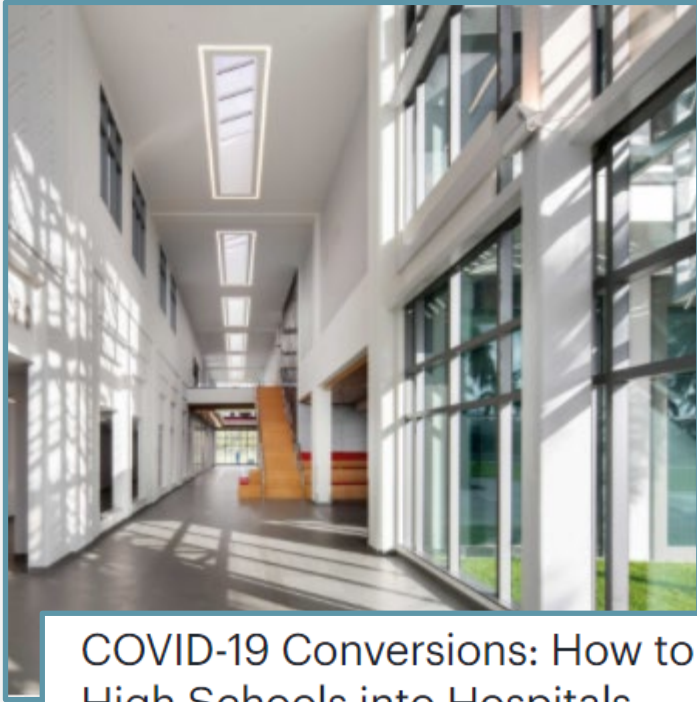
NHS National Services
Louisa Jordan Hospital



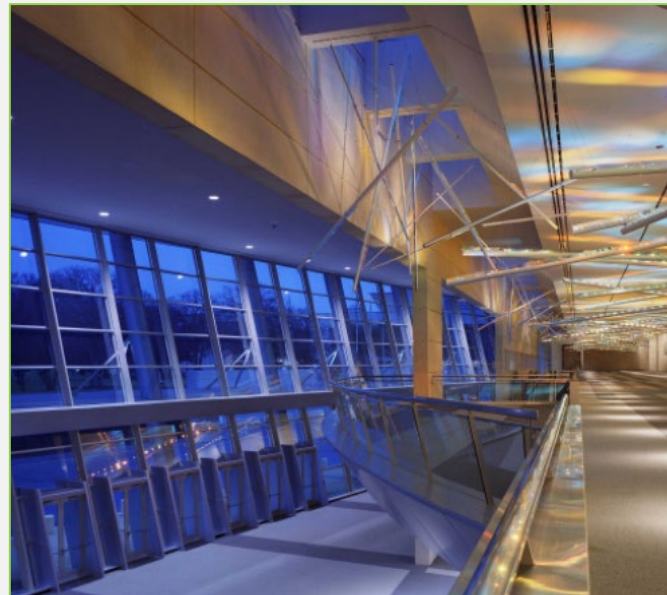
Glasgow Exhibition Center -> Louisa Jordan Hospital



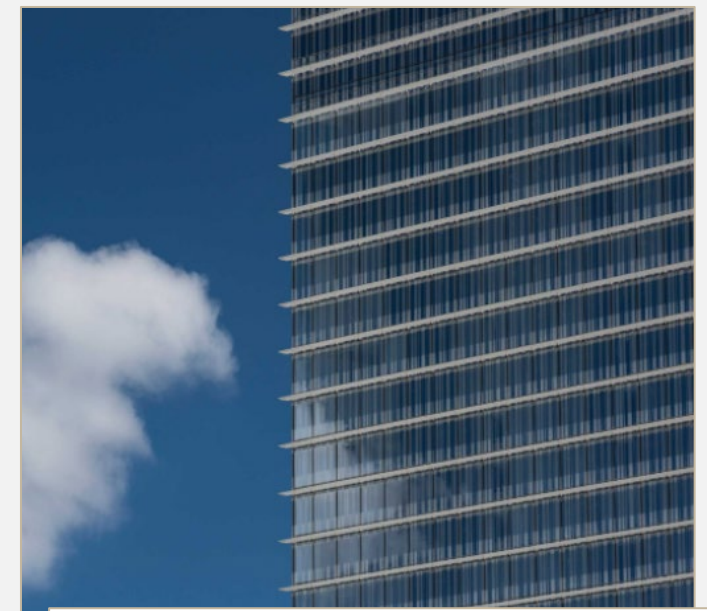
Omvandling av icke-sjukvårdsbyggnader



COVID-19 Conversions: How to Turn High Schools into Hospitals



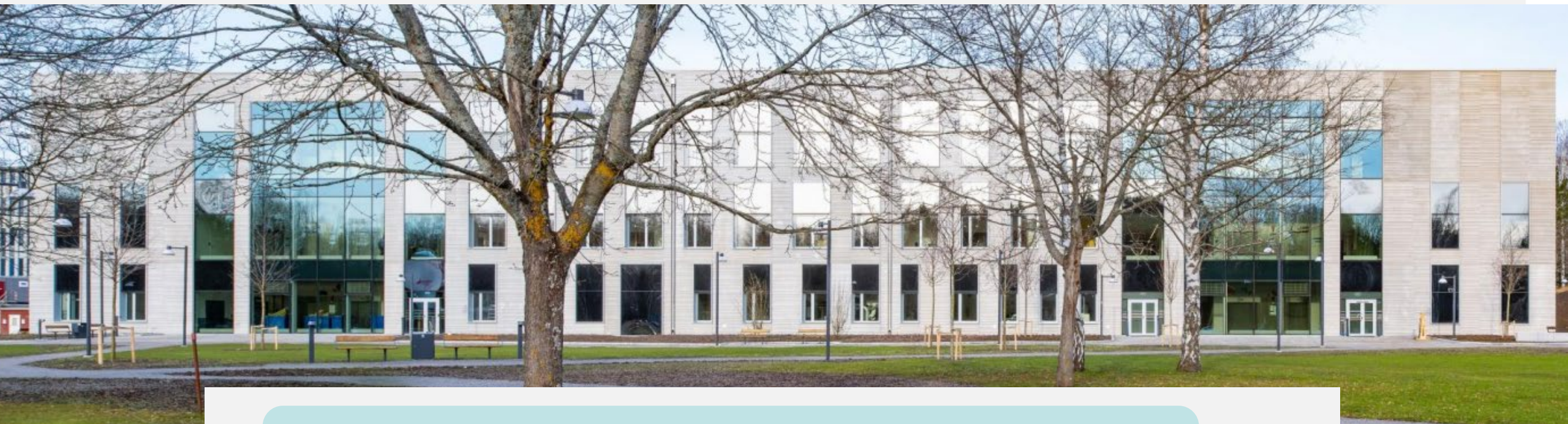
COVID-19 Conversions: How to Turn Public Assembly Spaces into Hospitals



COVID-19 Conversions: How to Turn Hotels into Hospitals

<https://www.hksinc.com/>

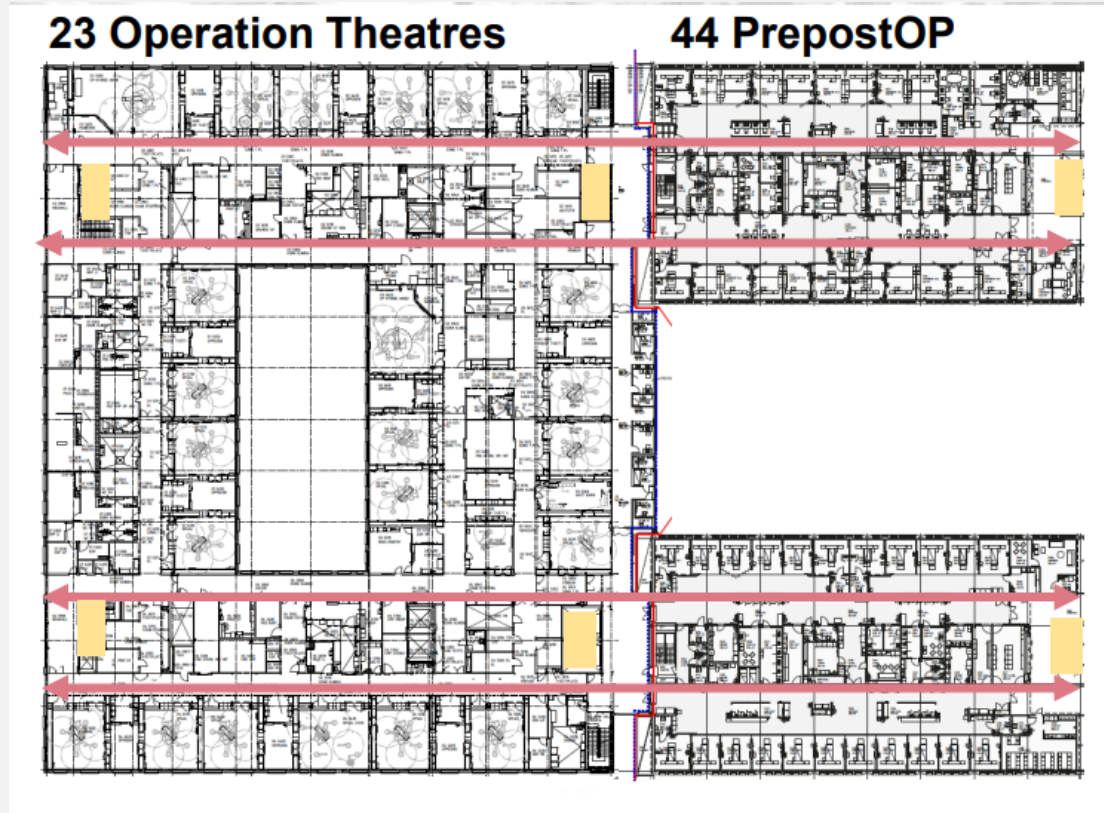




Omvandling av **befintliga sjukhus**



Omvandling av nyligen färdigställda sjukhus



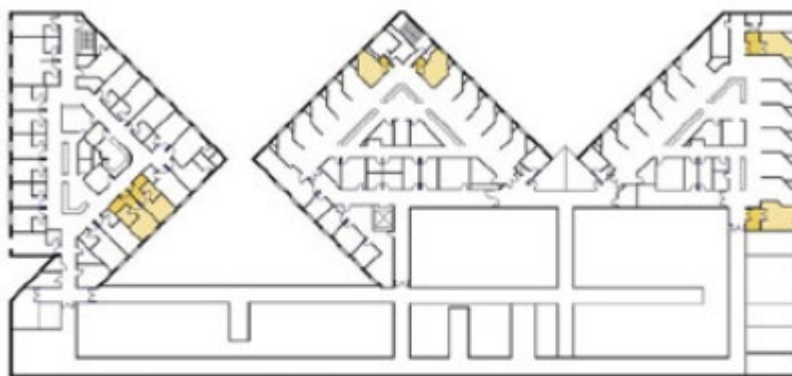
Ö-Hus Karolinska Huddinge



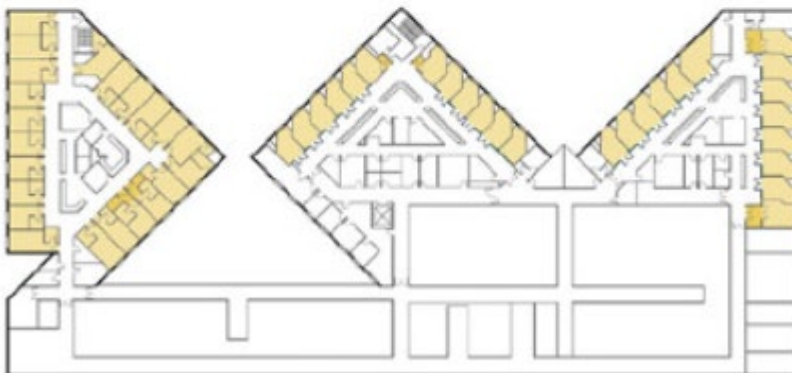
64 ICU

Omvandling av äldre befintliga sjukhus

Before:
6 negative pressure
isolation rooms



After
48 negative pressure
isolation rooms



Mount Sinai Hospital, NYC USA

Original Negative Pressure Rooms

Previously, each side of the ICU wing only had one negative pressure room.

Vitals & Waste Management

Vitals, IV drips, medical equipment, and waste bins were moved outside of each room to minimize contact between staff and patients.

HEPA filters

HEPA filter units were installed in rooms and exhausted out windows that were fitted with plywood panels to provide a tight seal.

Don/Doff Zone

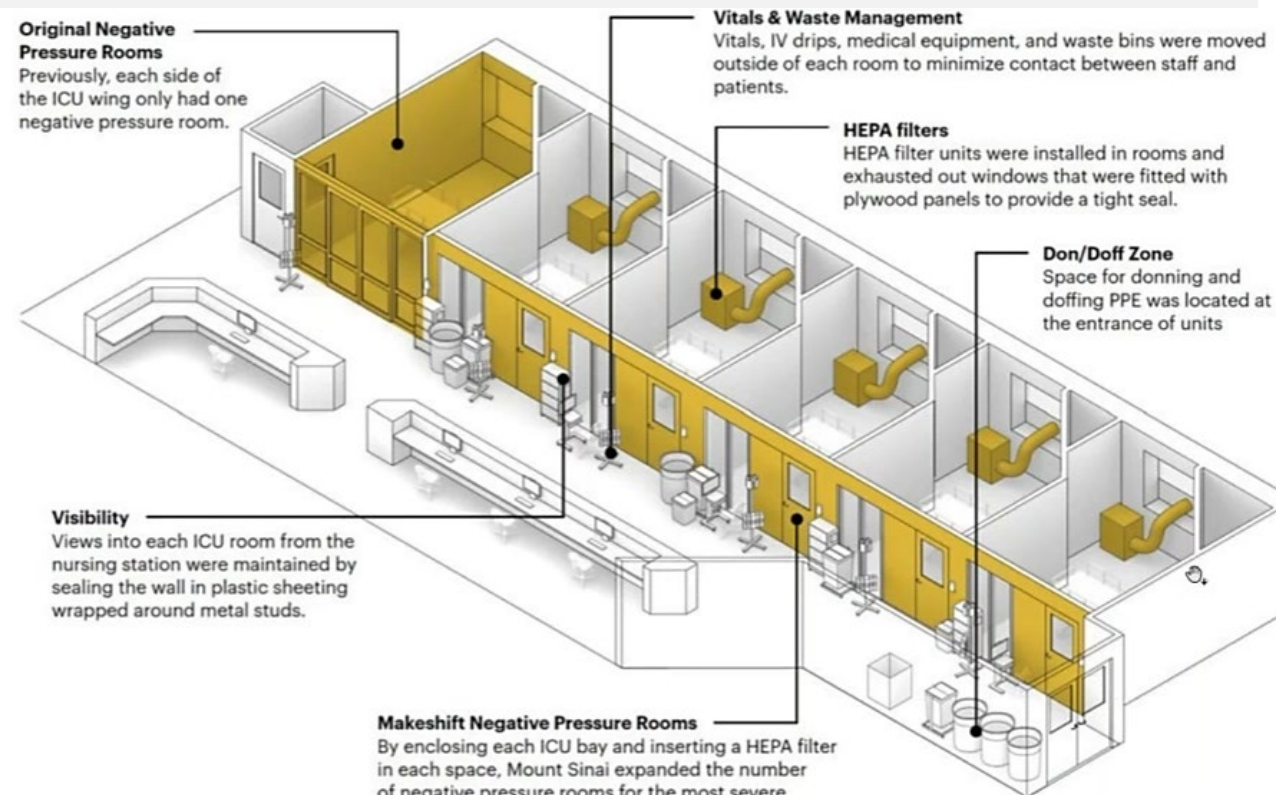
Space for donning and doffing PPE was located at the entrance of units

Visibility

Views into each ICU room from the nursing station were maintained by sealing the wall in plastic sheeting wrapped around metal studs.

Makeshift Negative Pressure Rooms

By enclosing each ICU bay and inserting a HEPA filter in each space, Mount Sinai expanded the number of negative pressure rooms for the most severe COVID-19 cases.





Plug-in utrymmen till befintliga sjukhus

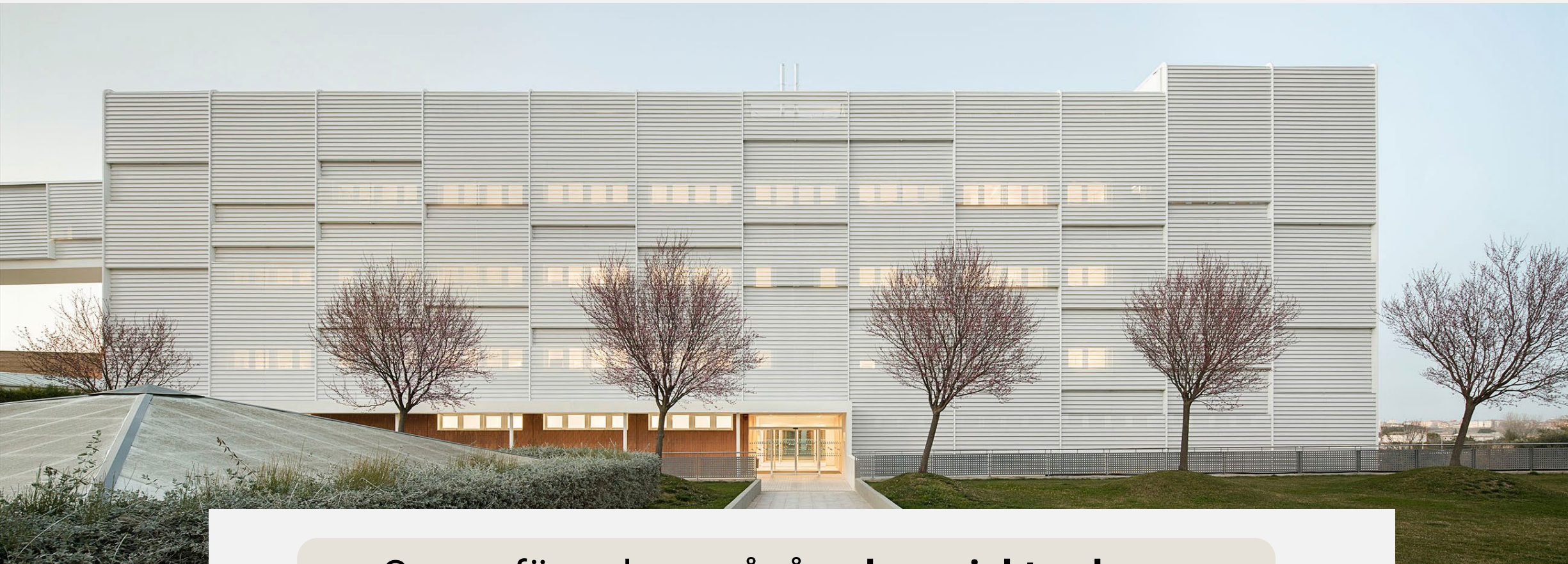


Plug-in utrymmen till befintliga sjukhus



Rigshospitalet, Copenhagen





Genomförande av **pågående projekt och nya initiativ**



Genomförande av pågående projekt och nya initiativ

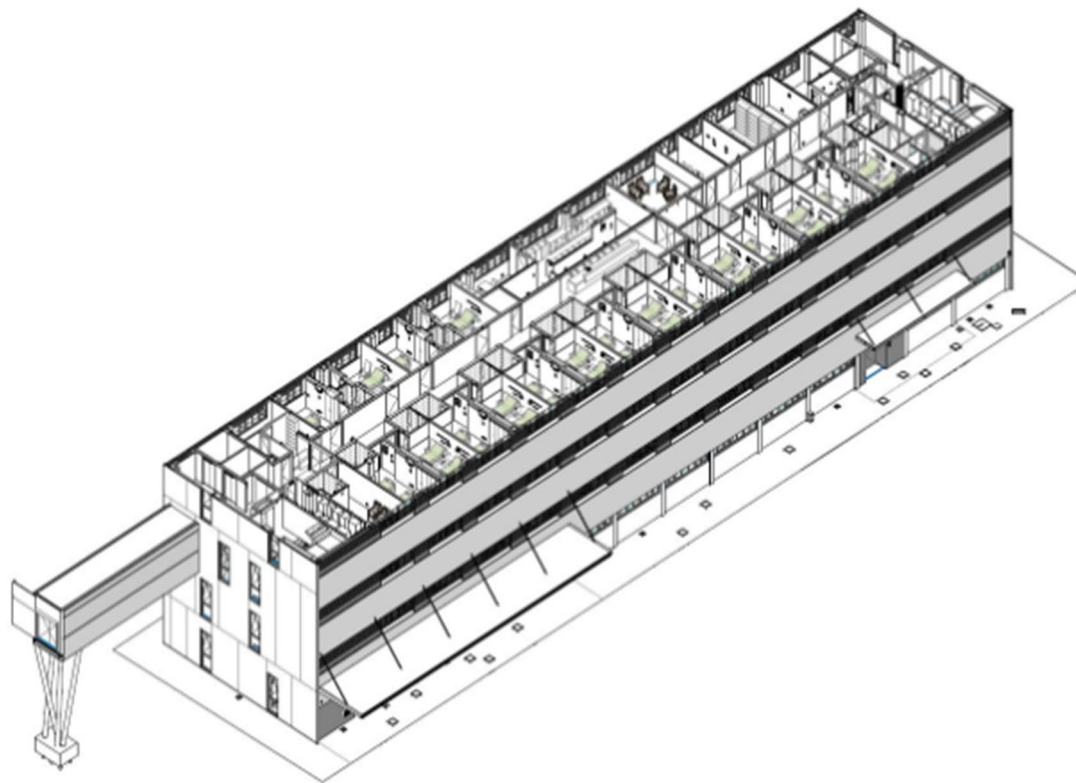
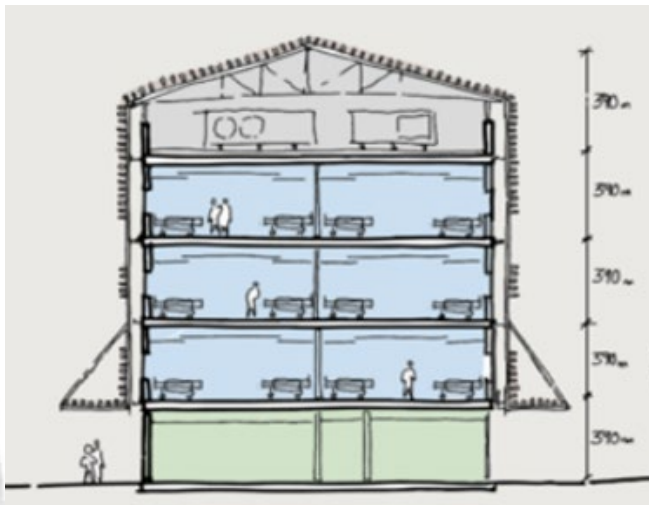


Isabel Zendal Sjukhus, Madrid



5 POLYVALENTER VÅRDBYGGNAR | KATALONIEN REGION

SEPTEMBER 2020 TILL JANUARI 2021



Genomförande av **pågående projekt och nya initiativ**



Sjukhuset-lärdomar av covid-19: Resilient sjukhus

Sjukhustypologi

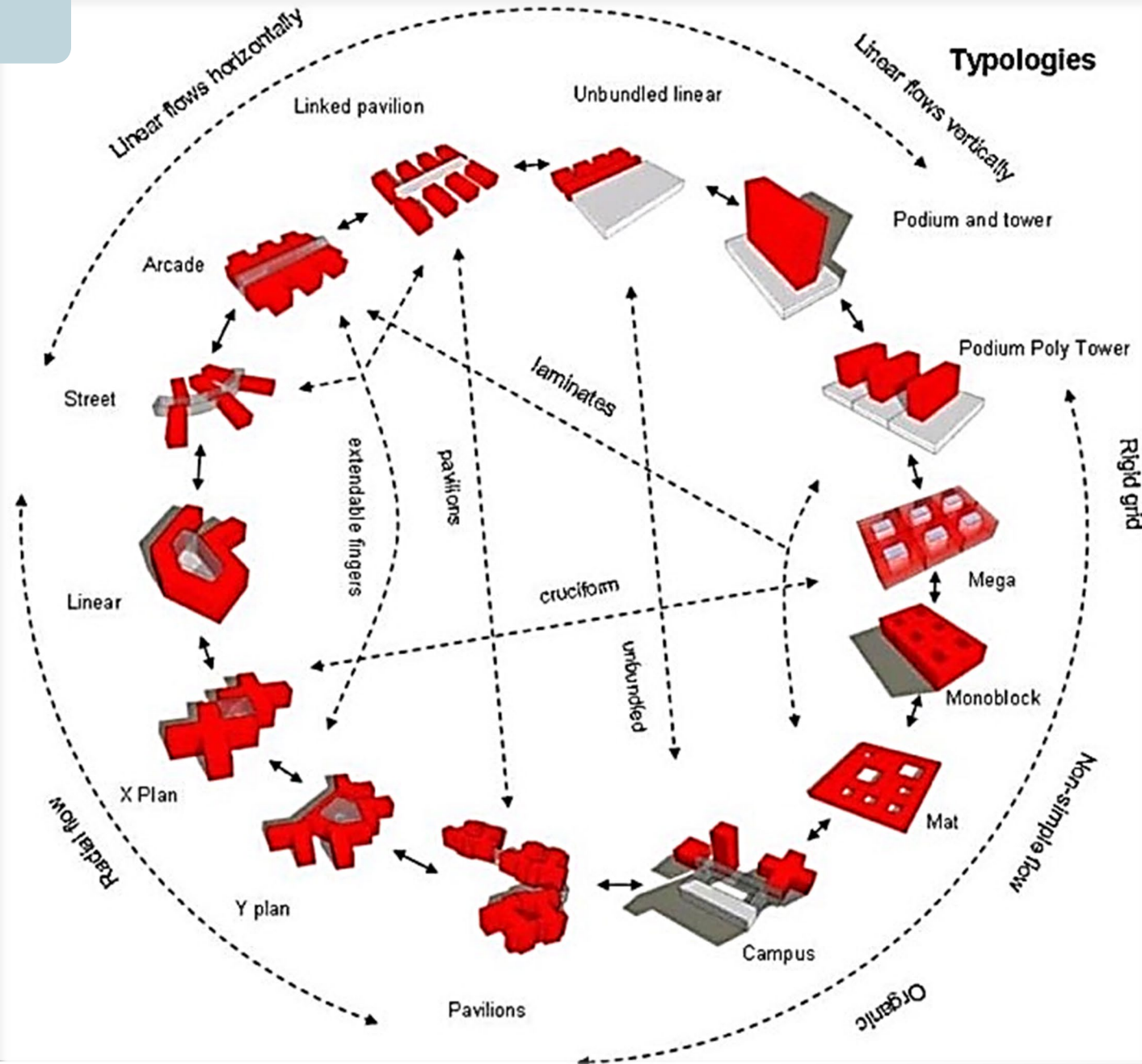
Omorganisera flöden och sektionsbara enheter

Enkelpatientrum

IT teknologi och digitalisering

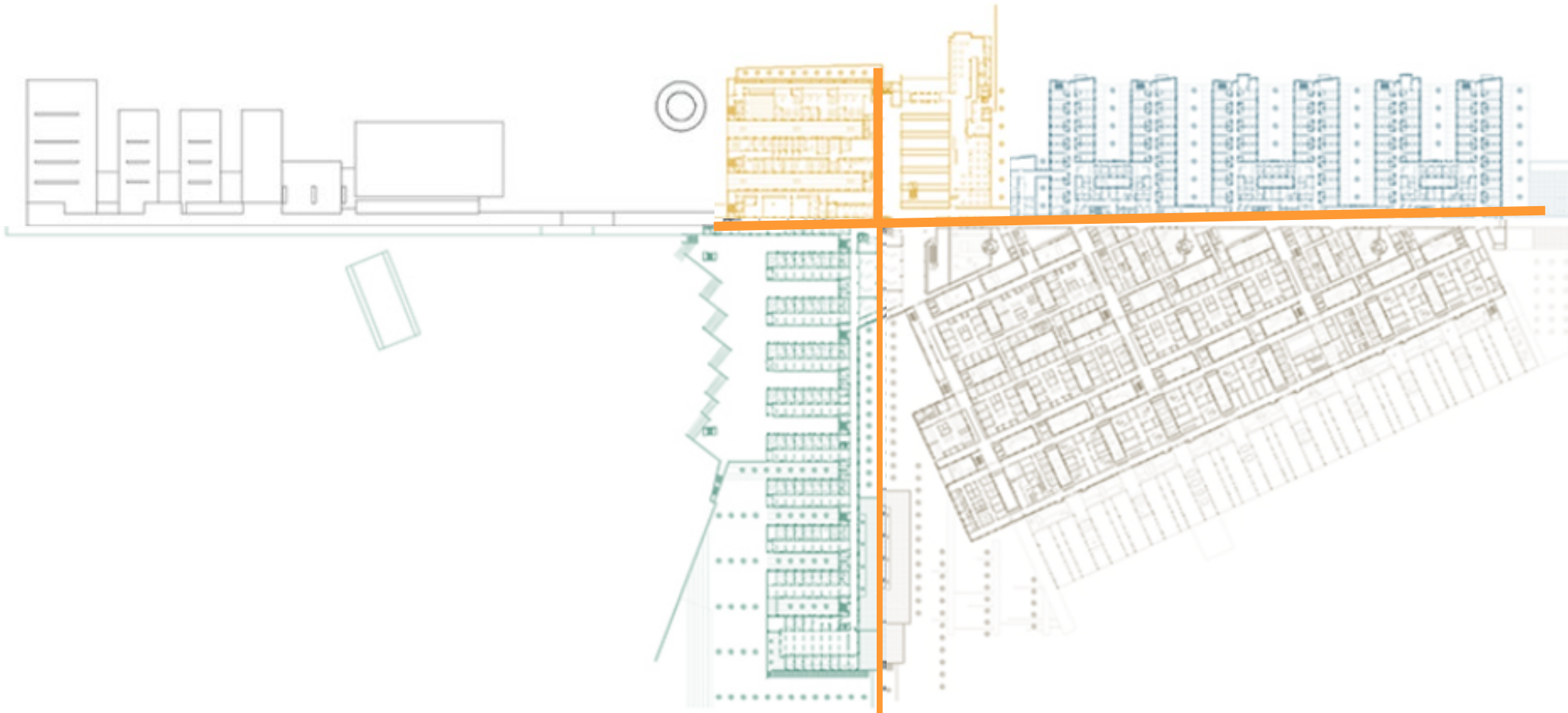
Humanisering







Lucas Augusti Sjukhus, Lugo, Spanien



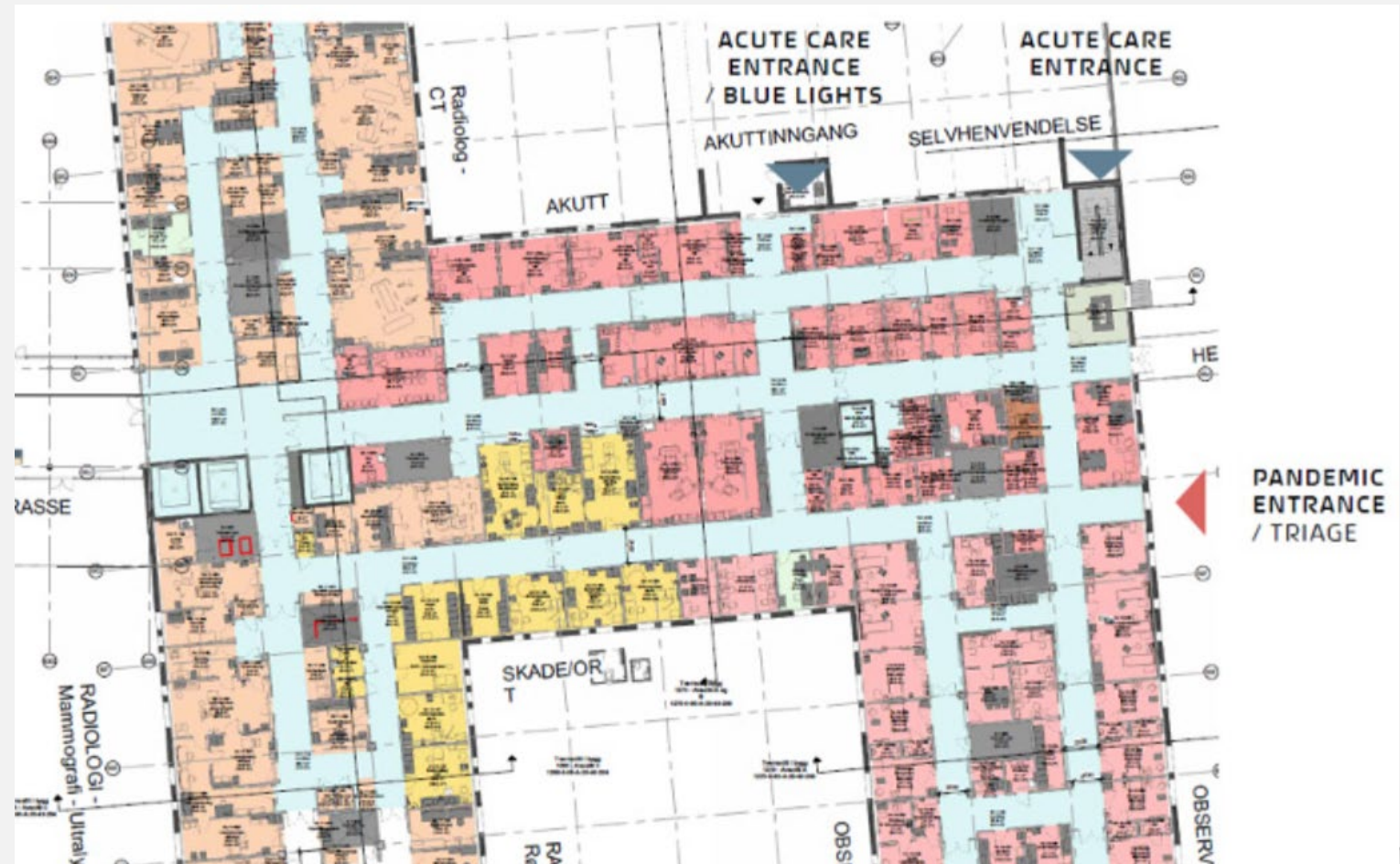




Omorganisera flöden och sektionsbara enheter

AKUT

Separation av akutflöden
patienter med
respiratoriska och icke-
respiratoriska sjukdomar

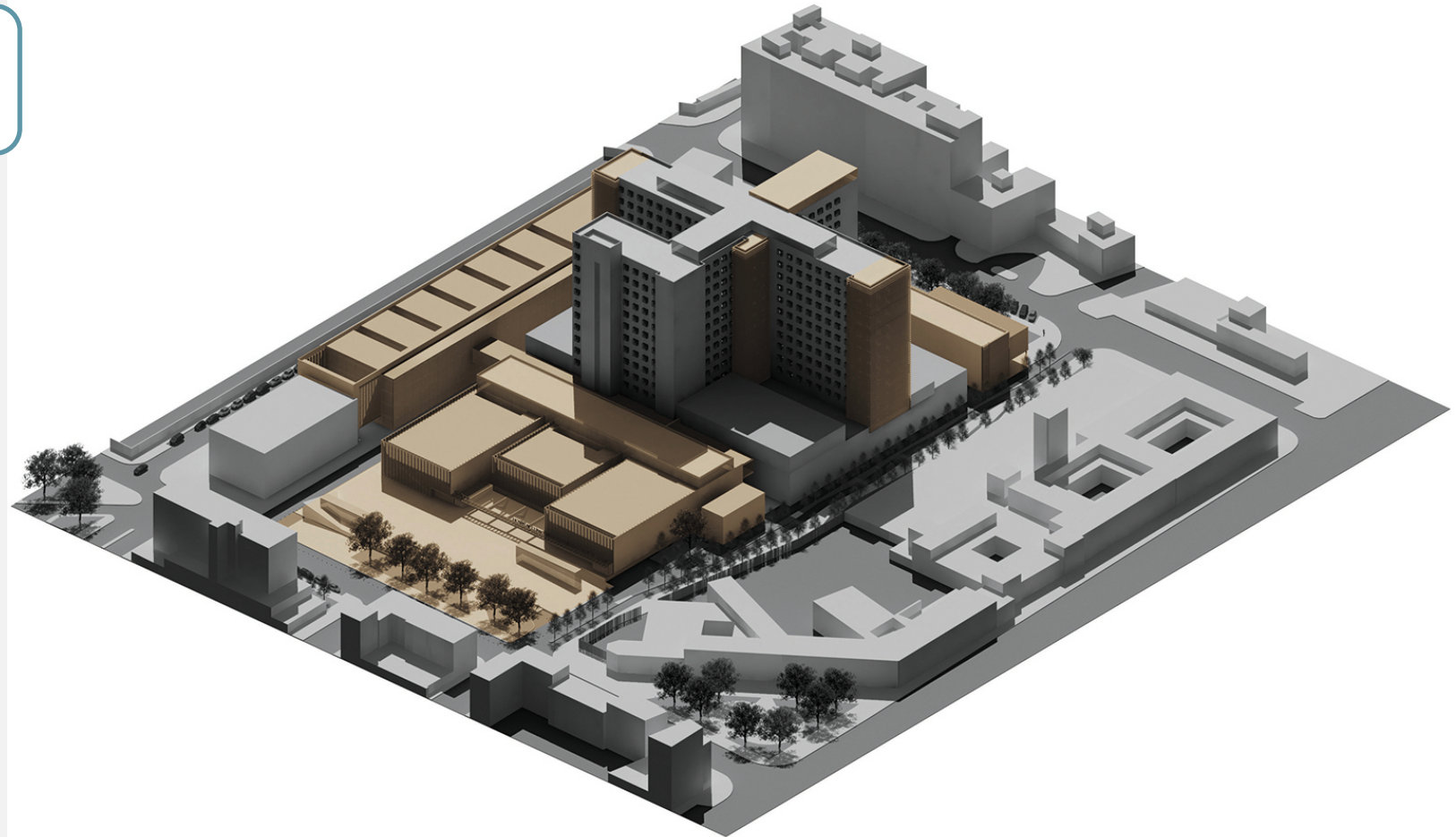


Nordmøre og Romsdal Sjukhus, Norge.



Omorganisera flöden och sektionsbara enheter

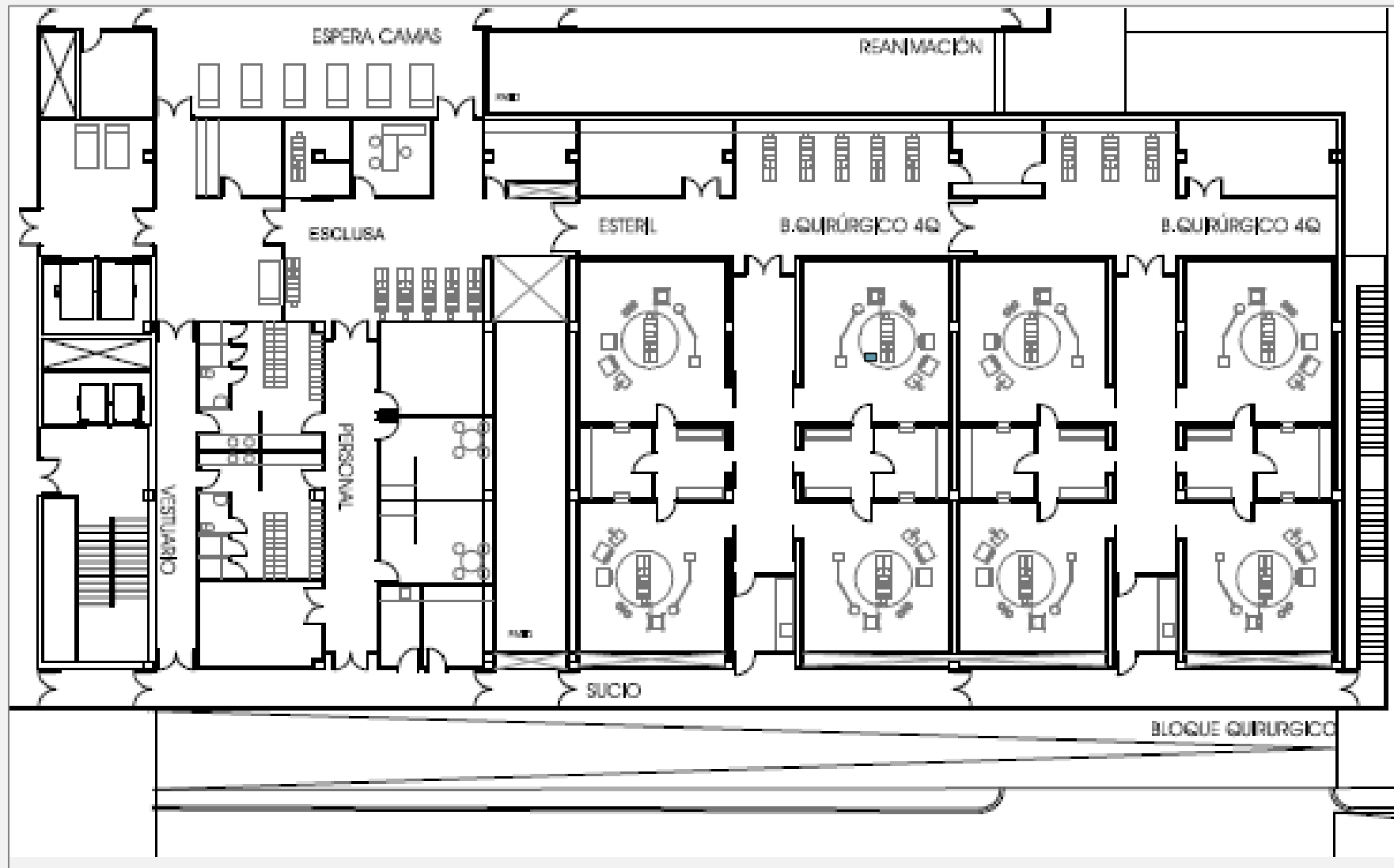
Dubbel korridor och
sektorisering



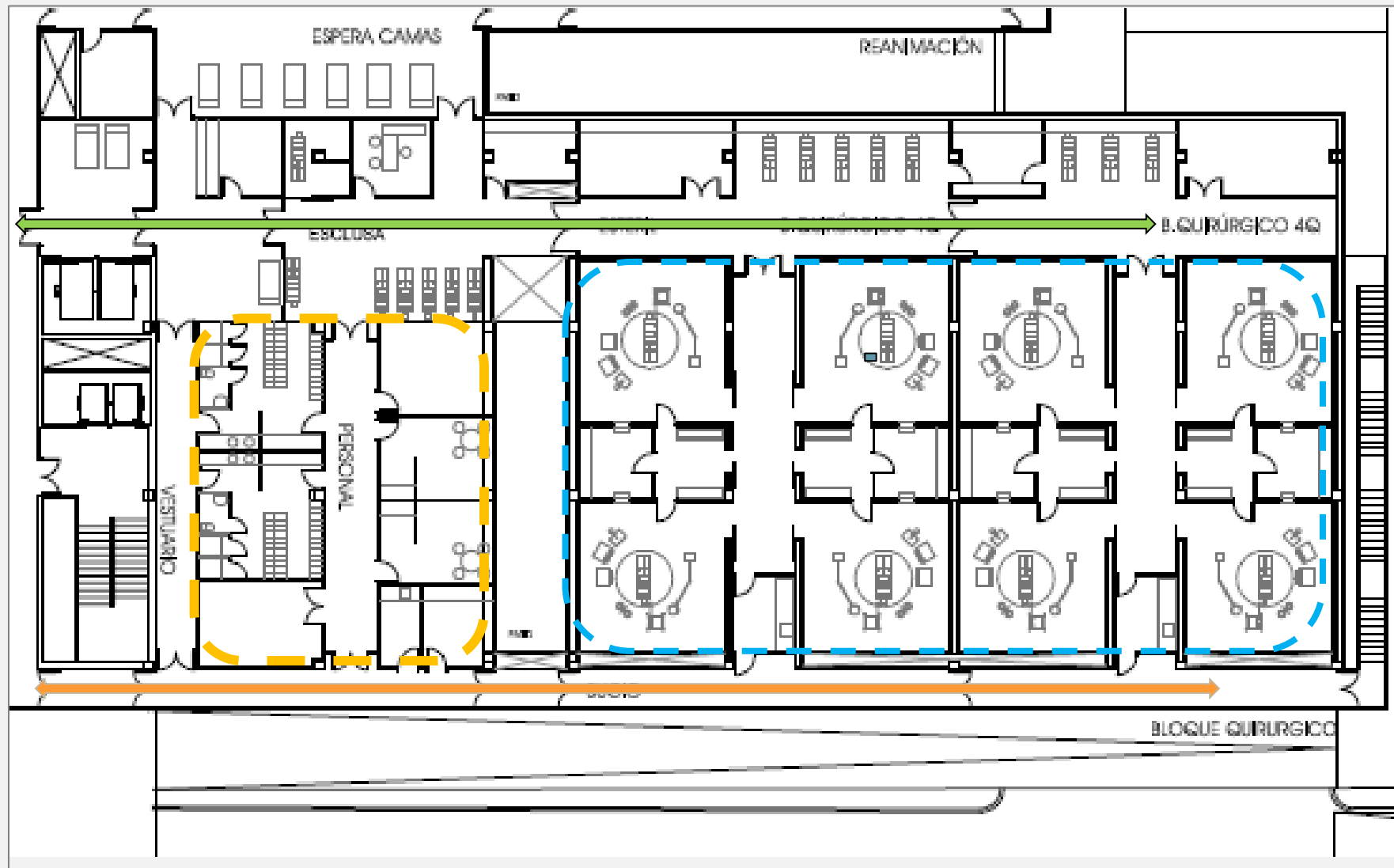
Clinico Sjukhus, Valladolid, Spanien



Omorganisera flöden och sektionsbara enheter



Omorganisera flöden och sektionsbara enheter



LAB

Flexibla Lab som
anpassar sig efter
behoven



New Imperial College London Lab, UK



Omorganisera flöden och sektionsbara enheter

Väntrum och publika utrymme



HKS Ink, USA

Enkelpatientrum



Rigshospitalet, København



Enkelpatientrum

Hospital beds (per 1,000 people) - Sweden, Norway, United Kingdom, Spain, Netherlands

Data are from the World Health Organization, supplemented by country data.

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Telemedicin



Sheba Medical Center, Israel



Kontrollrum



Bradford Royal Infirmary, UK



Humanisering



Manchester Central under covid pandemi



Humanisering



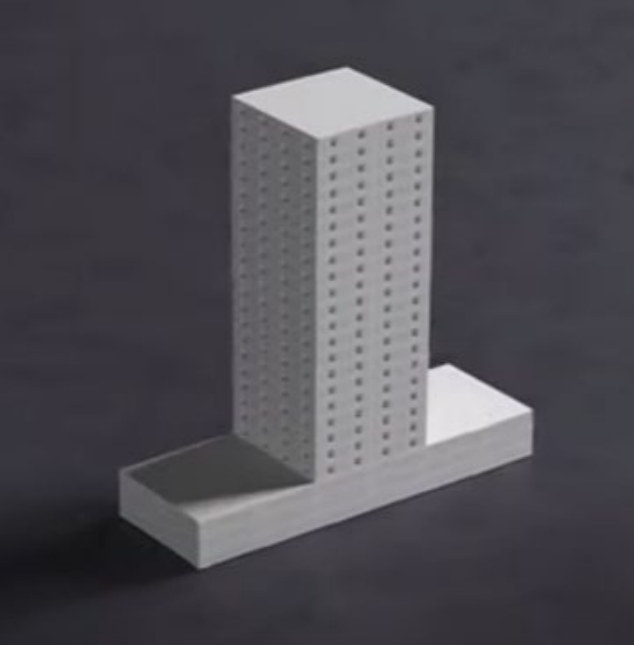
Erasmus Medical Center, Rotterdam



FLEXIBILITET OCH ELASTICITET

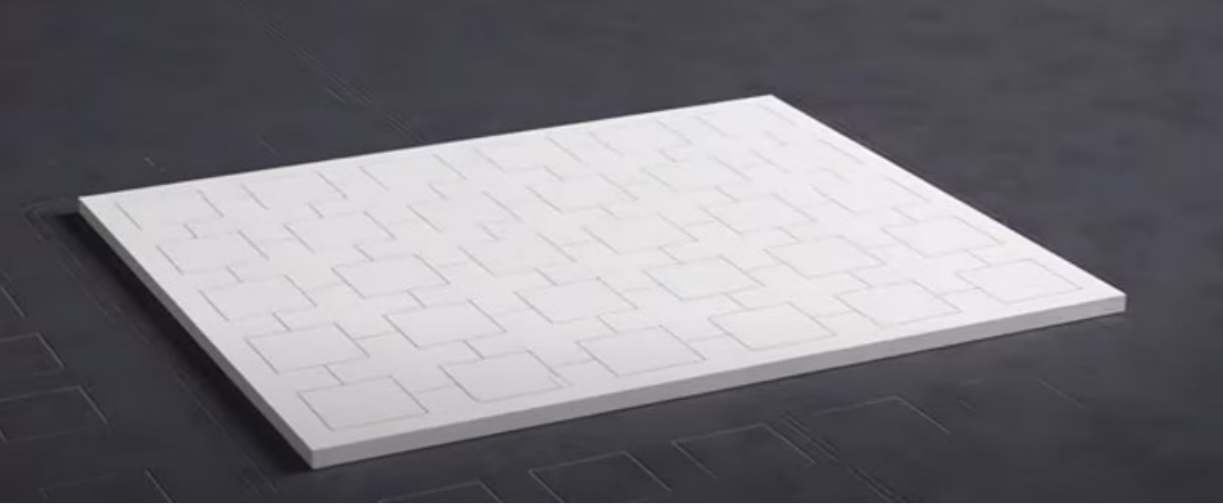


Mc Master Medical Center, Toronto, Kanada



The hospital of the future- Office for Metropolitan Architecture





DET RESILIENTA SJUKHUSET



TACK!

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