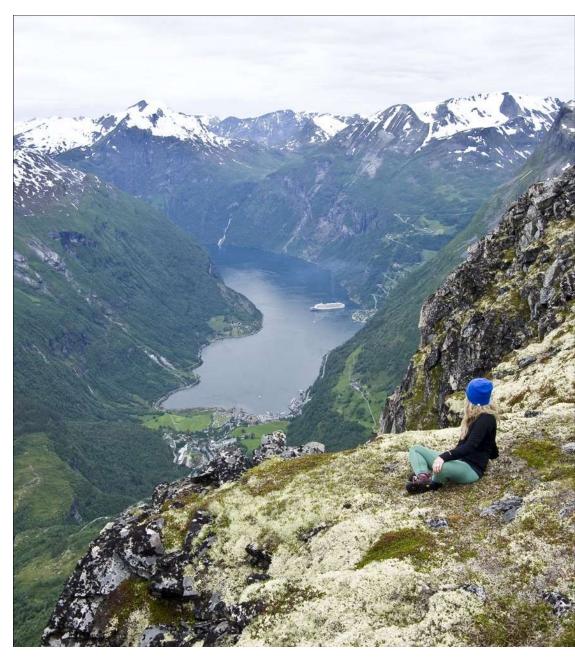


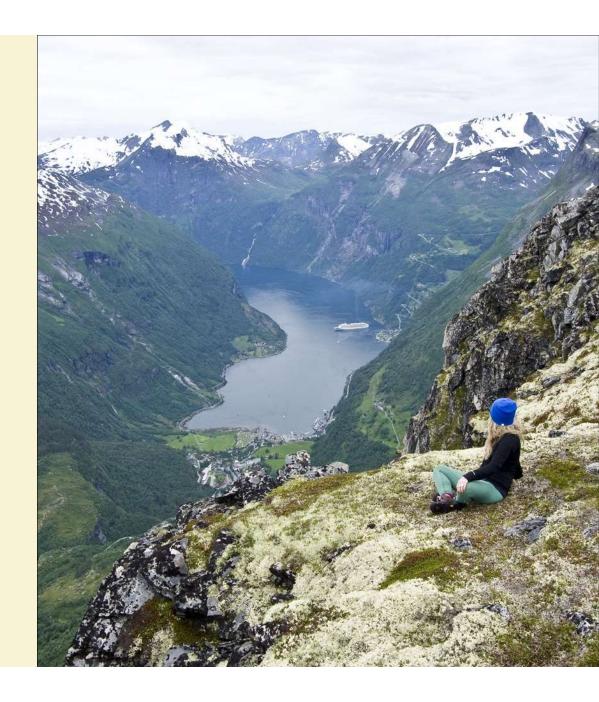
Bridget White

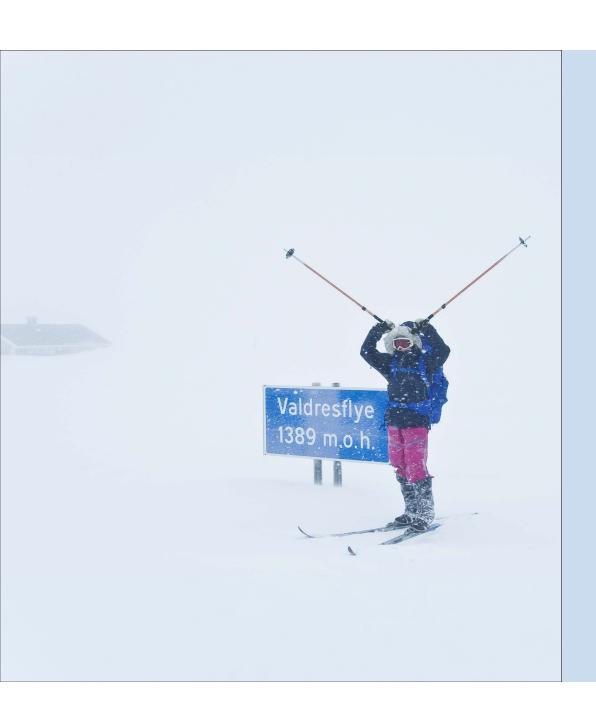
Senior Associate
Warren and Mahoney

Senior Architect, BIM Director
Nordic Office of Architecture



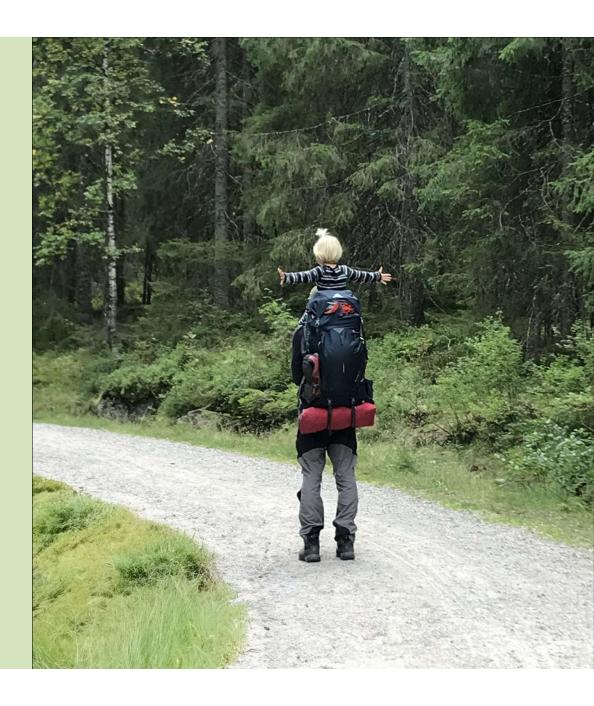
FlydalsjuvetGeiranger, Norway

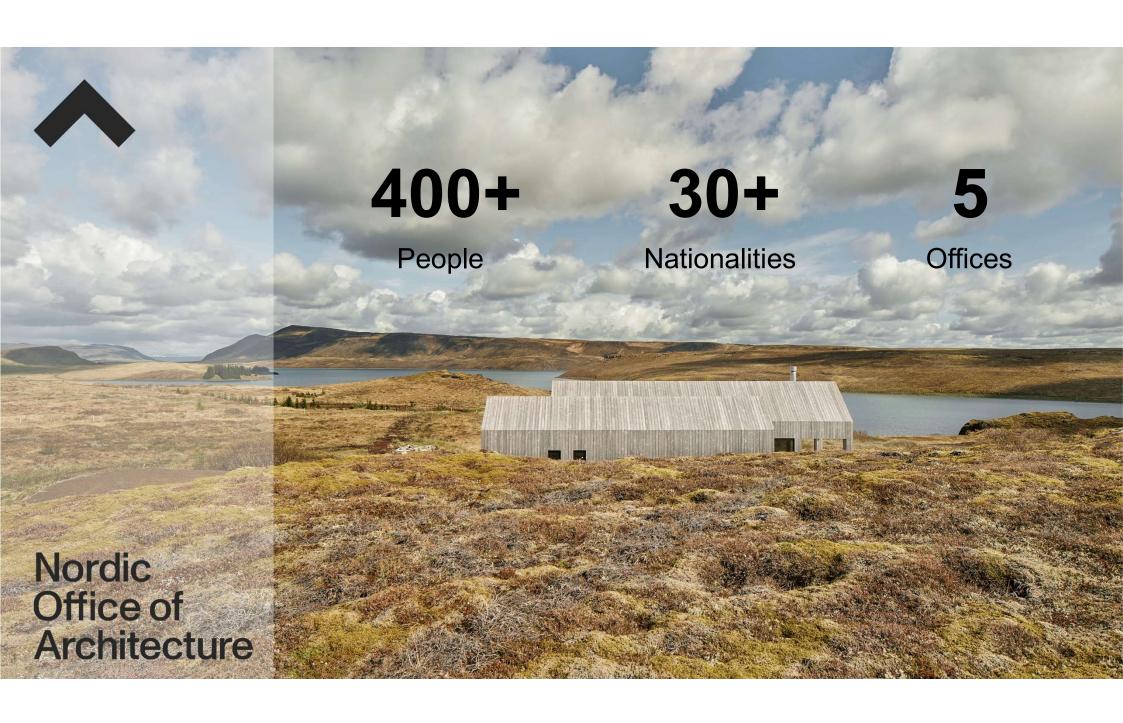


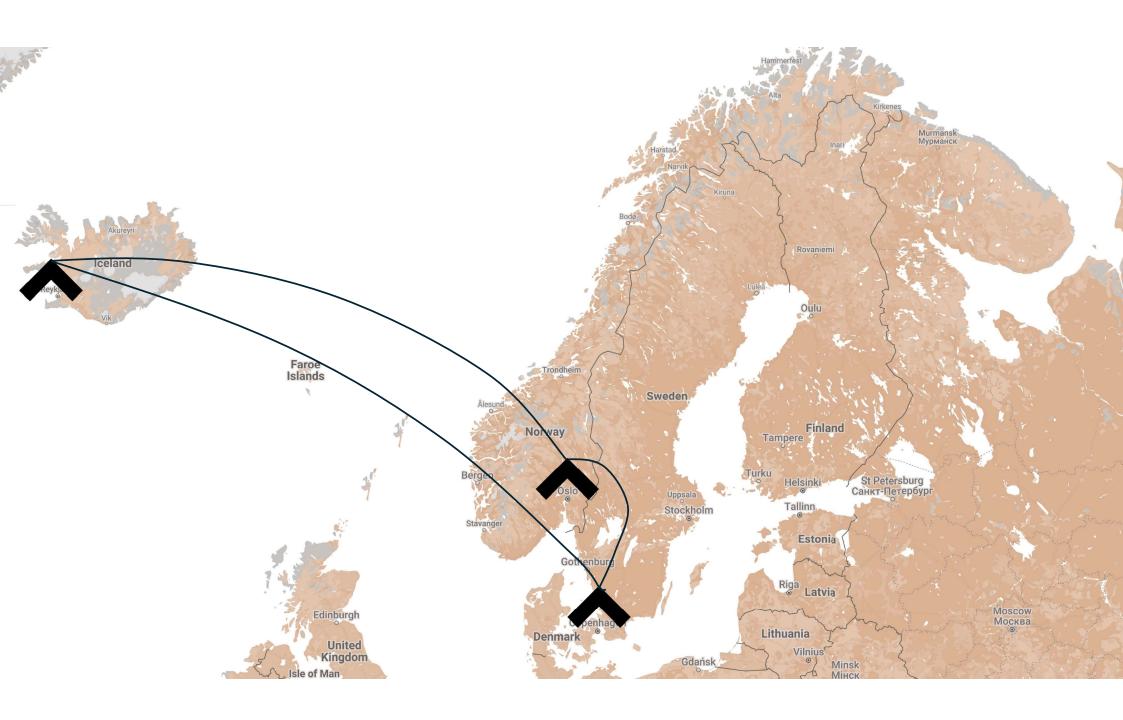


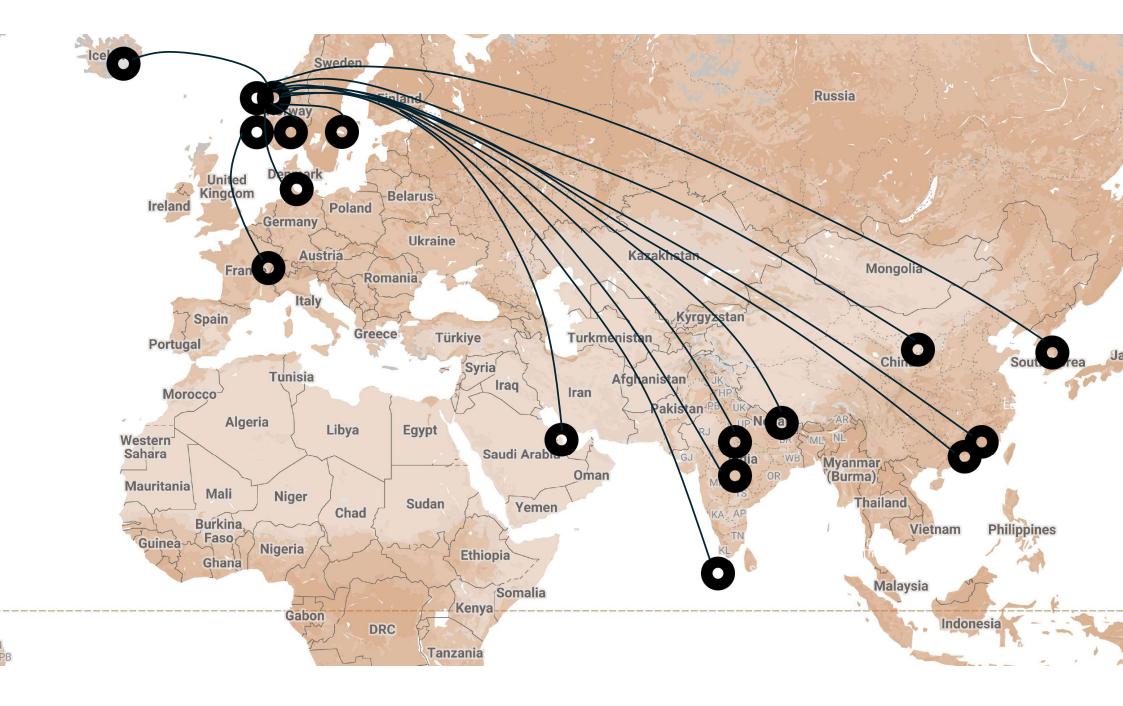
ValdresflyeJotunheimen, Norway

Nordmarka Oslo, Norway

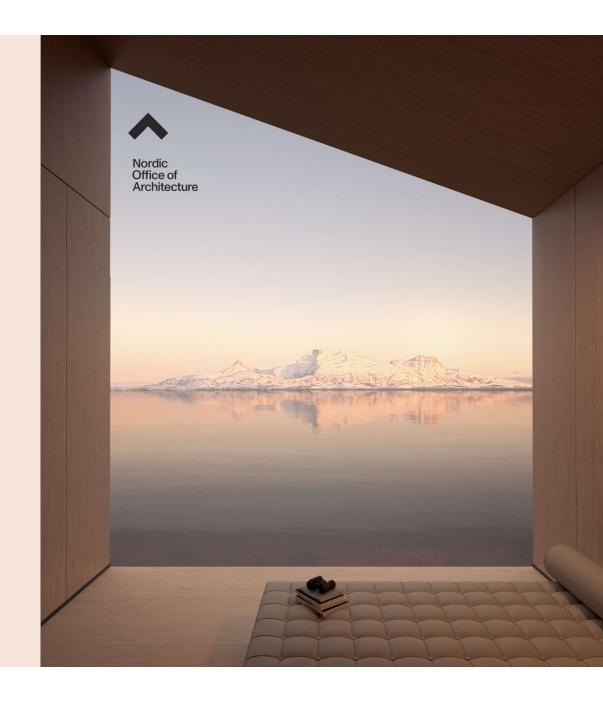






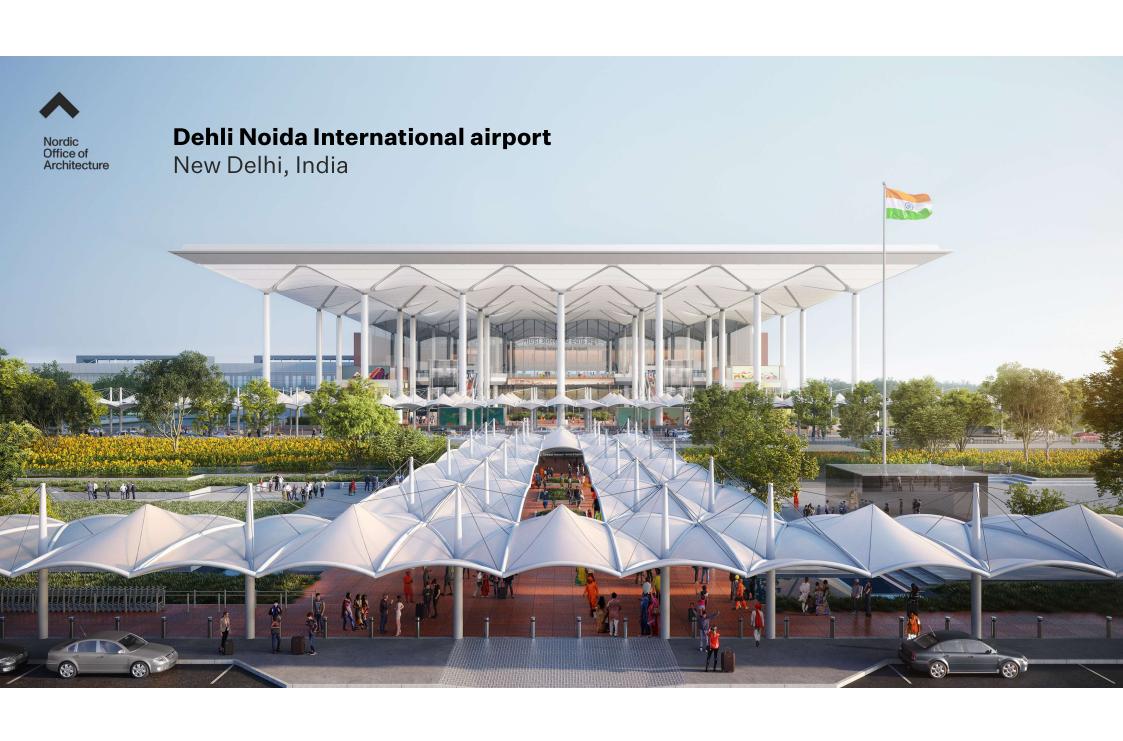


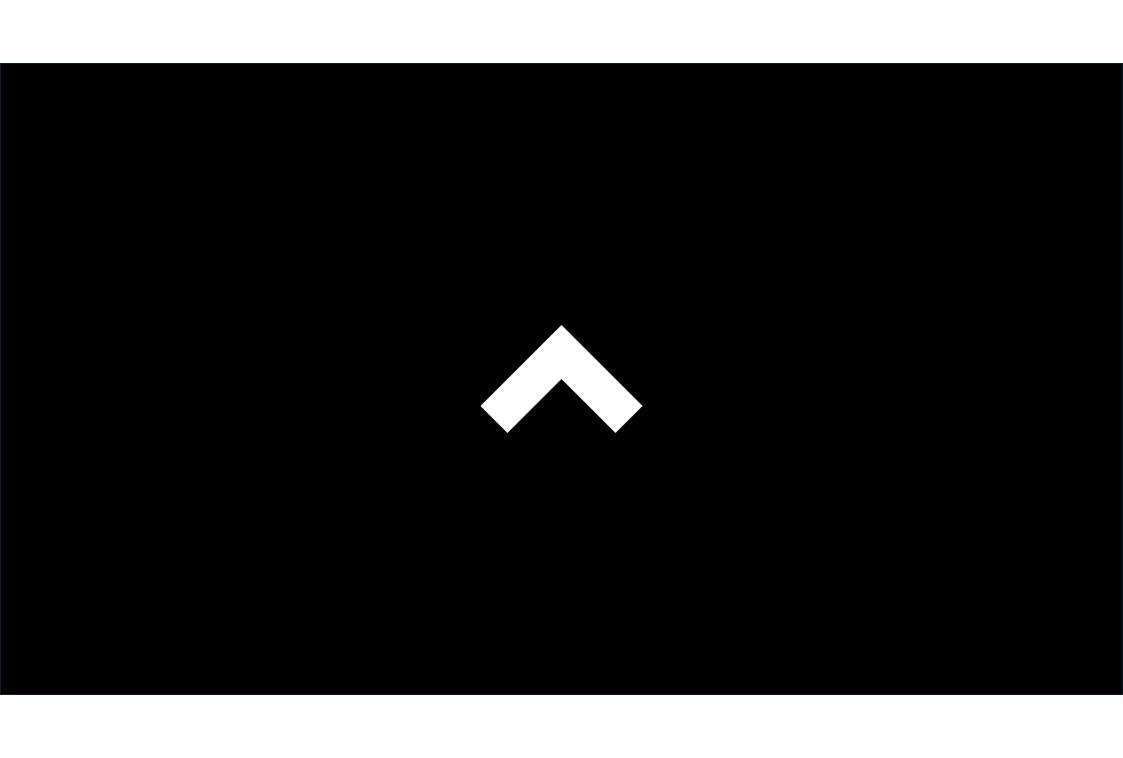
Moonstone Retreat Bodø, Norway





Fagerli school and kindergarten Larvik, Norway

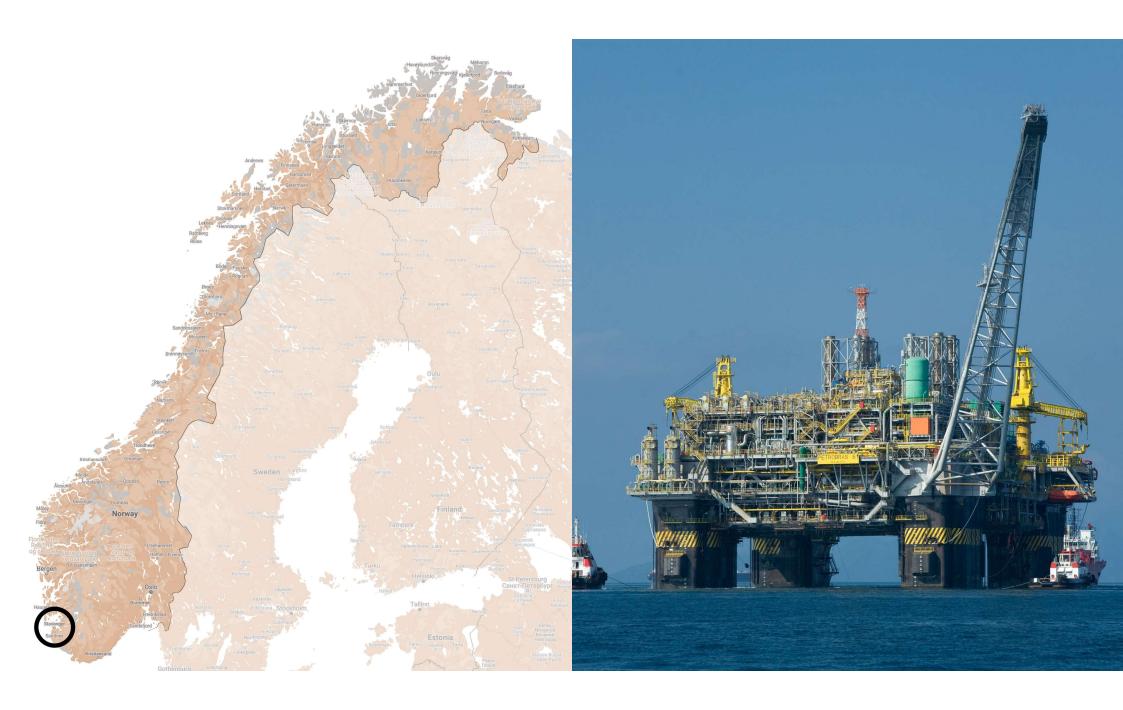




"Den beste maten å fortelle en historie på er å inkludere andre mens historien skapes"

Norconsult digitaltransformasjon





In Norway centralised healthcare works. Should the NHS follow suit? Ole Tjomsland and Stein Bruland

hospitals provides health experts argi

From Centralization to Decentralization, and Back: Data and evidence Norwegian Health Care in a Nordic Perspective

Jon Magnussen & Pål E. Martinussen

Chapter

281 Accesses **1** Citations

Abstract

In the Nordic countries, health care is an integral part of what is often termed the Scandinavian (or Nordic) model of the welfare state (Esping-Andersen 1990). Thus, health

200,000 jobs threatened by Norway oil industry crisis

Pain of job losses acute in Stavanger

August 24, 2016

Two years after the oil and offshore industry seriously started slashing jobs, the sharp pain of job losses is now really striking many of those out of work and their families. Unemployment benefits are running out for workers laid off in the early rounds of job cuts, while a crisis center in Stavanger is reporting a worrisome rise in cases of domestic violence.

ence on oil and gas. In response, the ıling elites worldwide, are seeking to roll back king class.

since 2014 has exposed the full extent of the

"Lots of people are uncertain now about













AART/ architects

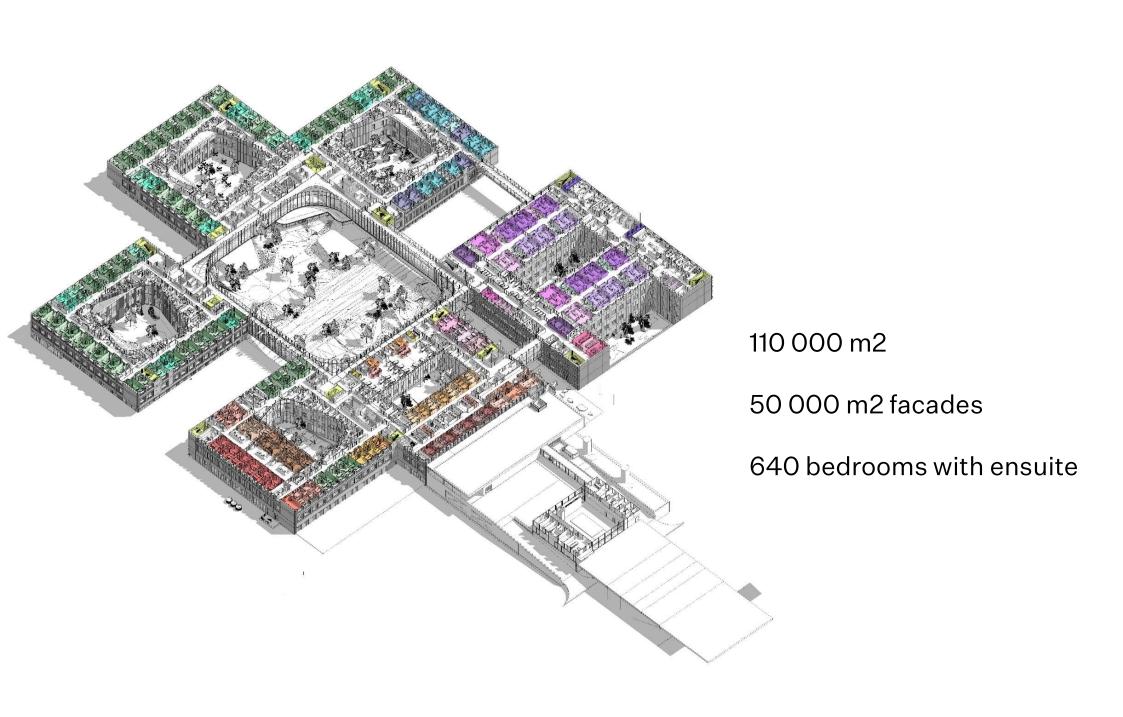


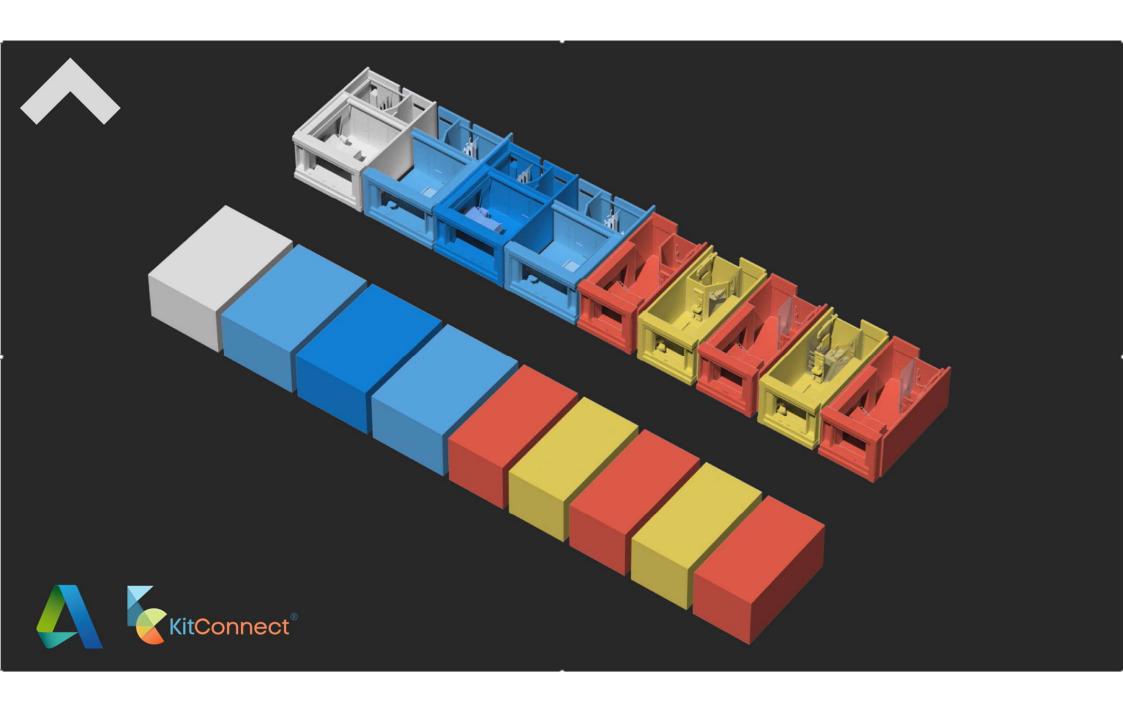




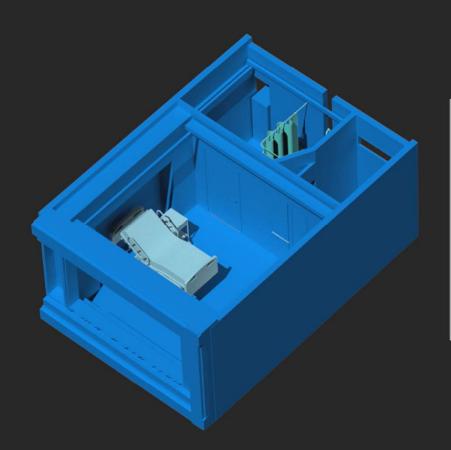


Team





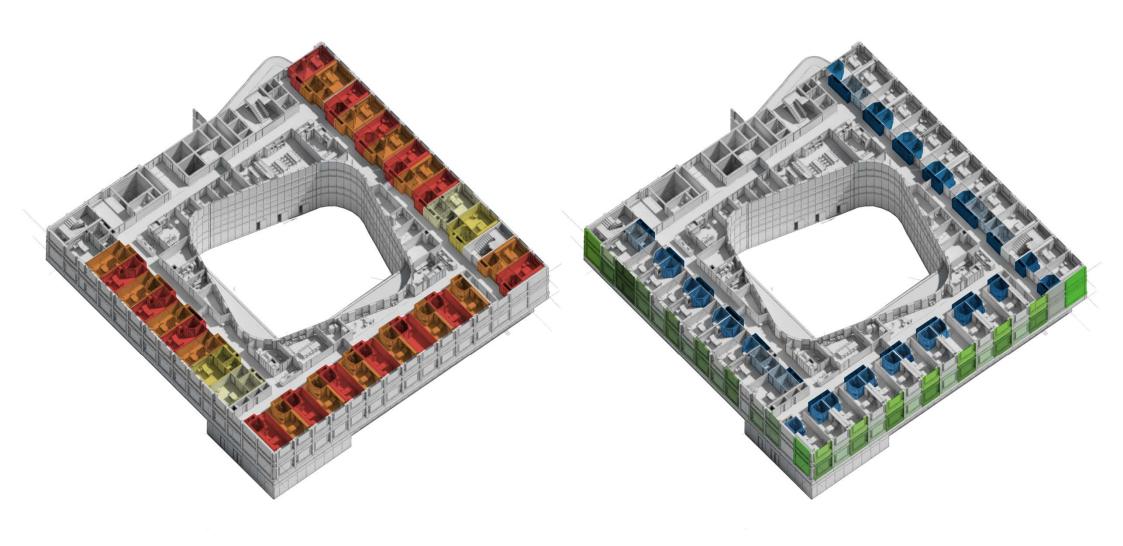




8X7-2L-003 ROOM MODULE Second Type Left Orientation

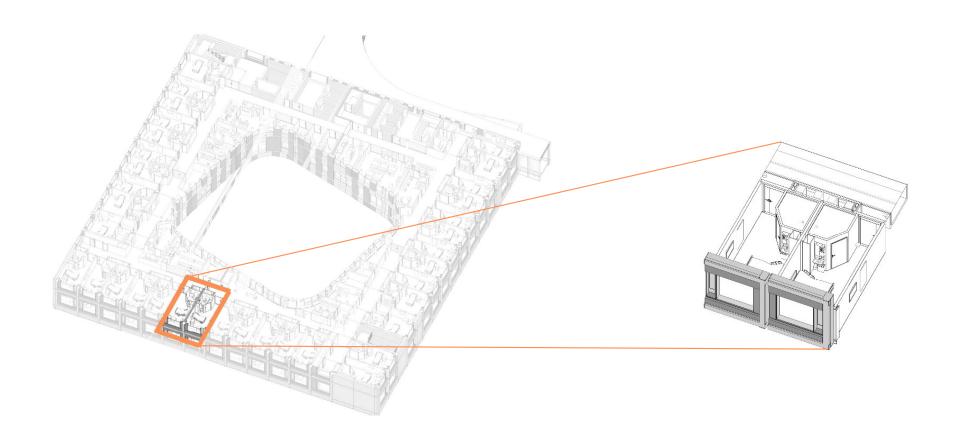
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Wall I (Switch Panel)	65		
Wall 2 (Door)	78	8D1.A.R.001	
Wall 3 (Vanity Unit 1 Patient Care-Right	12	8\$1.A.R.001	
Wall 4 (Vanity Unit 4 Bathroom-Right)	41	8\$4.A.R.001	
Wall 5 (Toilet and shower)	78	H-0ID	
Ceiling (Component)	93	H-0ID	
Floor			
Ceiling Height 2400 mm			
VANITY UNIT 1-PATIENT	1	BBI.AR.001	
Medium washbasin with overflow 56X42	19	315.01.019	
Mirror smal wall-mounted 300x1000	45	279.06.004	
Light fixture cassette	55	273.02.045	
Backplate 600X2100	27	273.02.055	
Waste Dispenser	21	279.09.127	
Small Cabinet	52	011.13.021	
Soap Dispenser	94	273.02.005	
Other Dispenser	27	273.02.002	



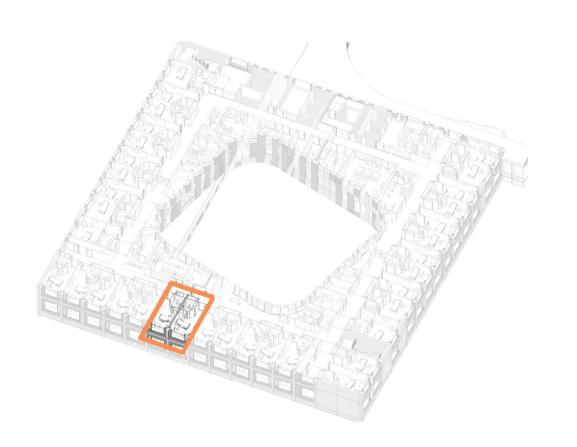


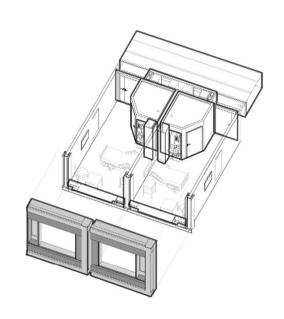
single discipline

cross discipline

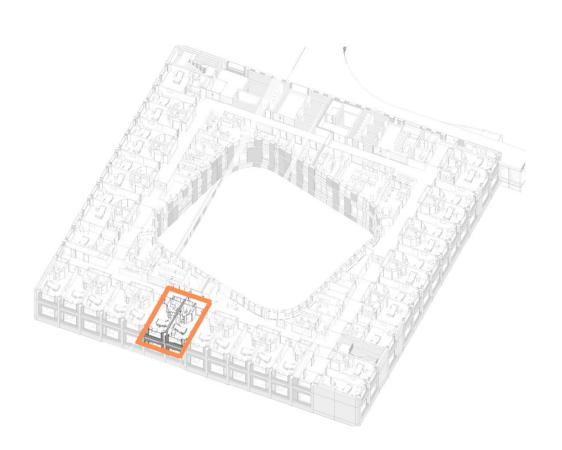


Configeration design

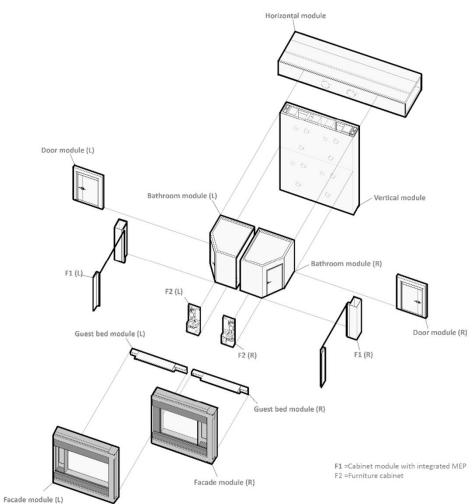


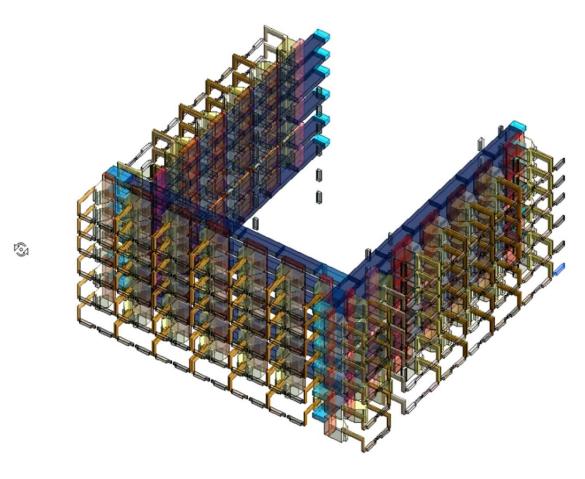


Configeration design

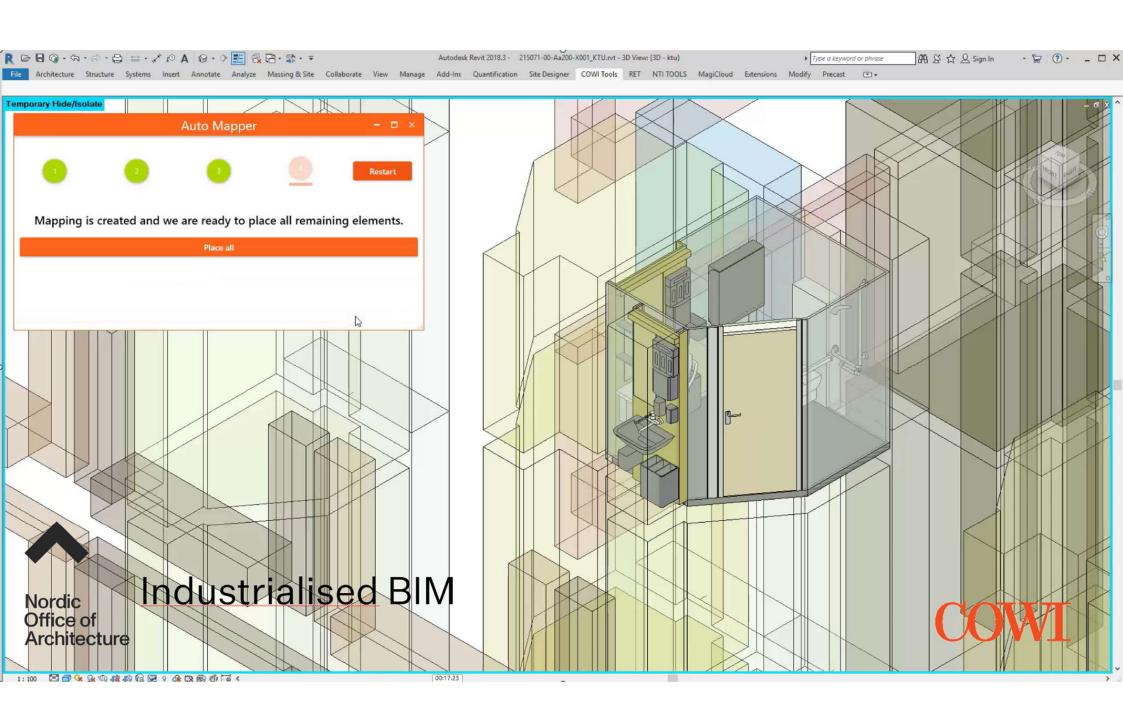




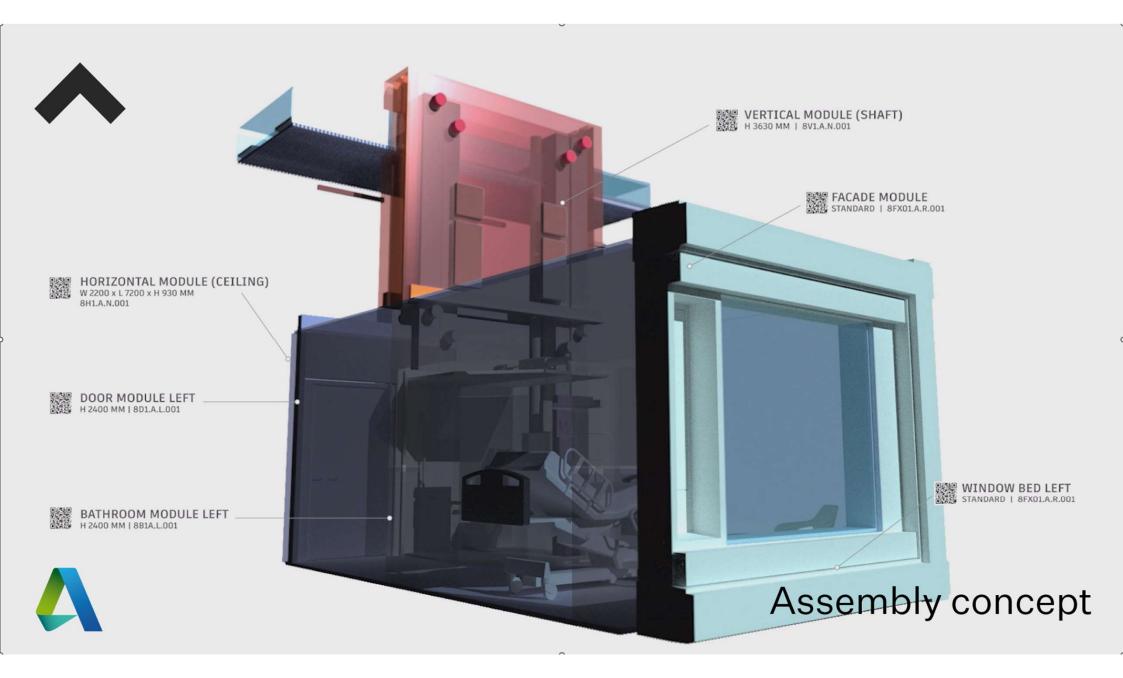


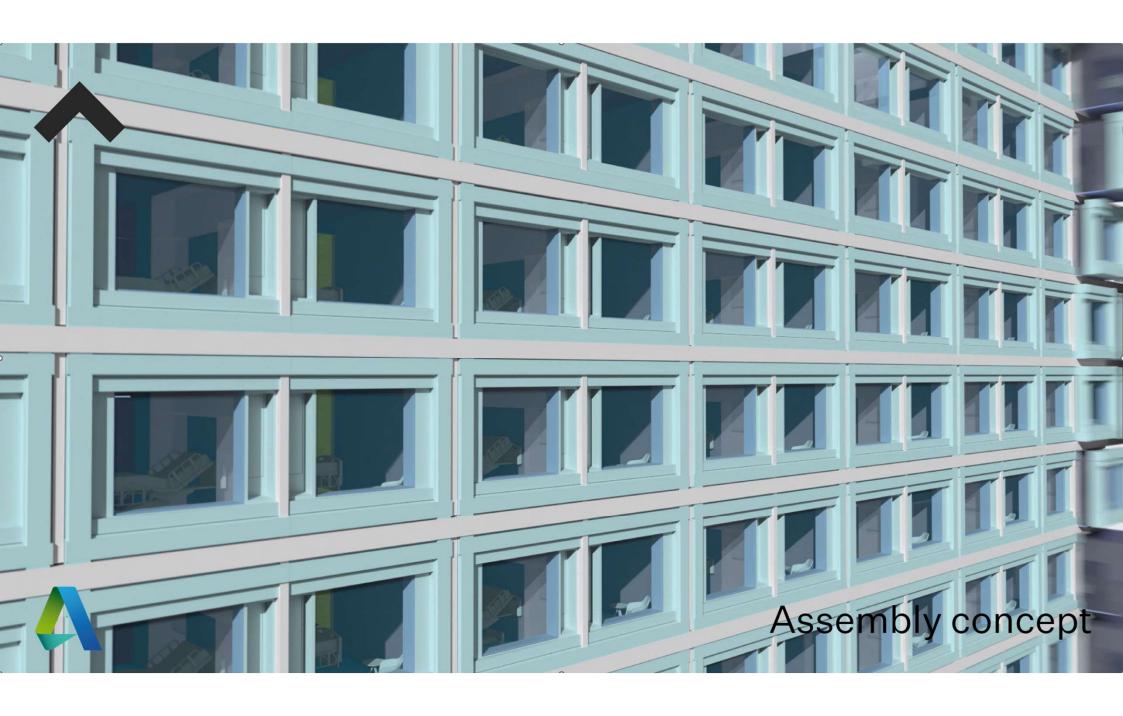


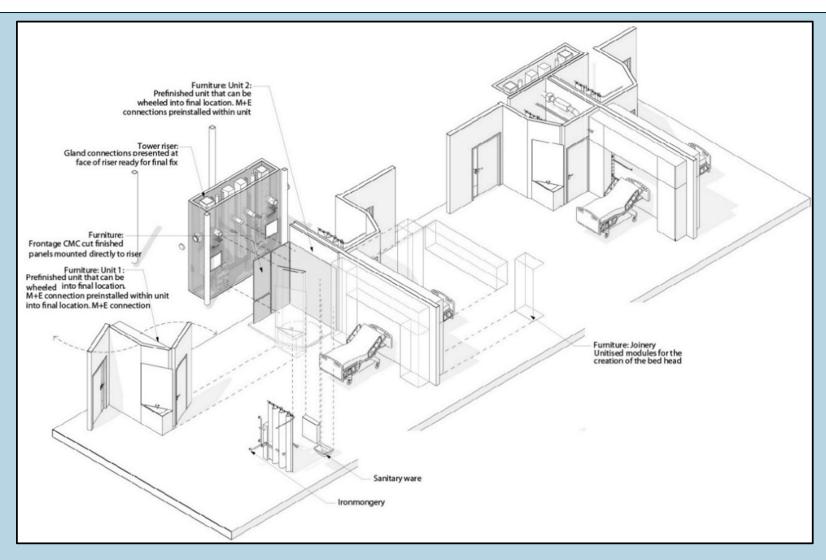
Placeholder technology











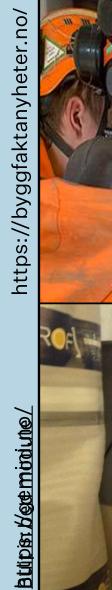
Actual assembly



(i) Info < → > → | • | ± = = □ (ARK-Bygg B) Wall.6.701 Relations Classification Hyperlinks Identification Location Issues Ouantities Material SUS Felles Pset_WallCommon Property Value Byggetrinn BT1 SUS_Prefabgruppe 8B1.A.R.001 Bygningsdelsnummer 242 Bathroom module

Buit in bed module

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Nordic Office of Architecture







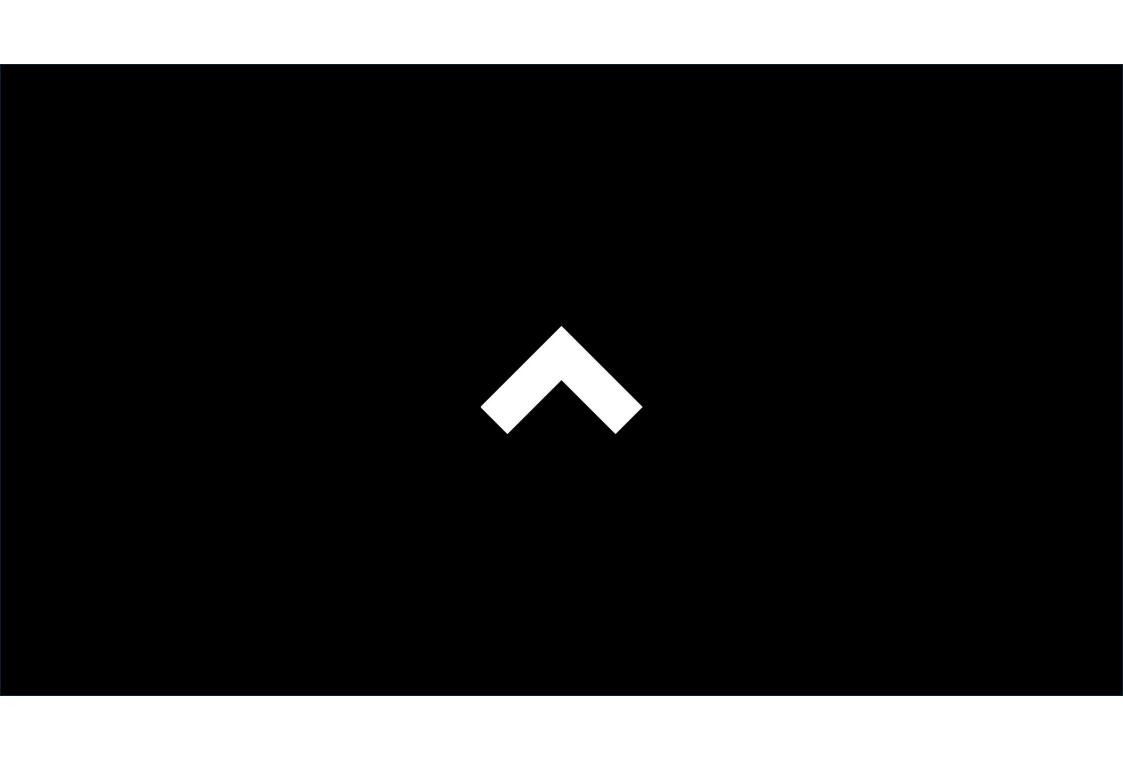
Built in bed module











"For å lykkes med ombruk i industriell skala må vi samarbeid på tvers i byggenæringen"

Brede Stokland, Architect + CEO, Tvinn Solutions

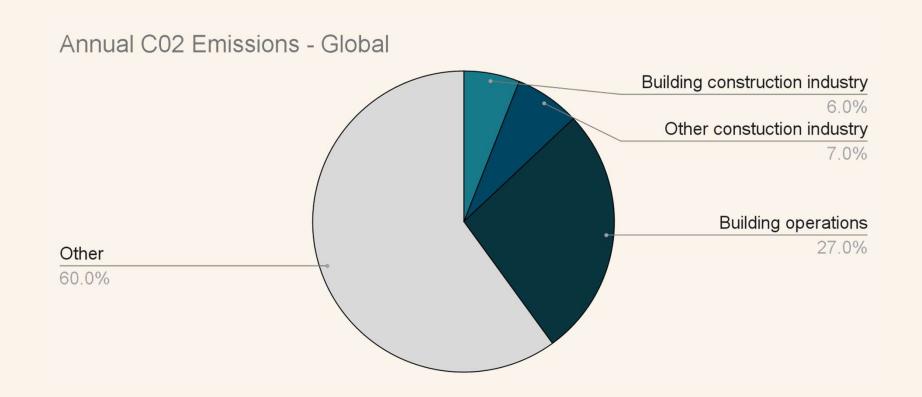
Digitizing a circular future: Design for refurbishment and reuse

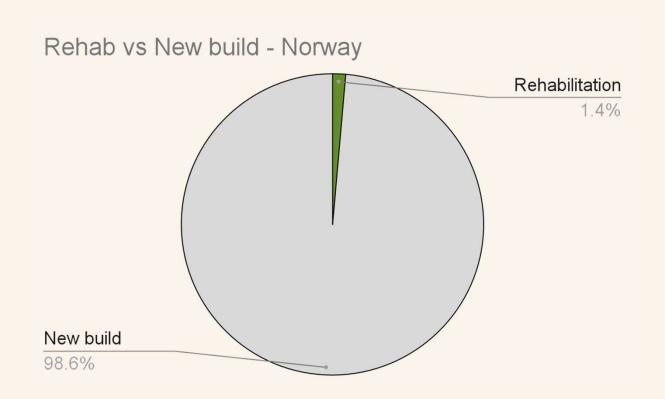


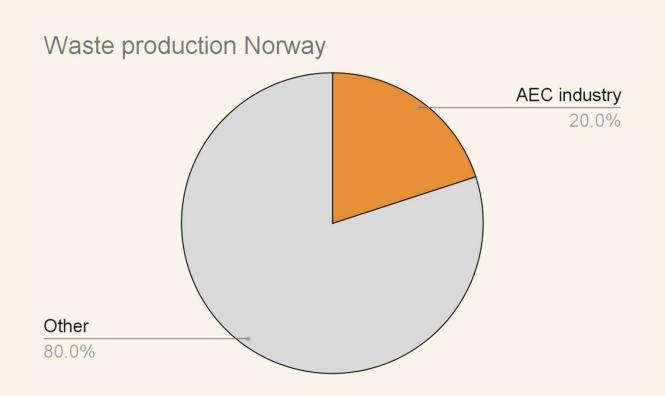


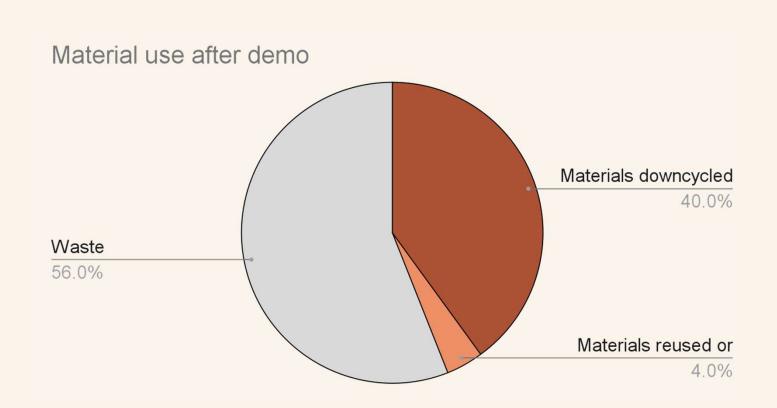
per year





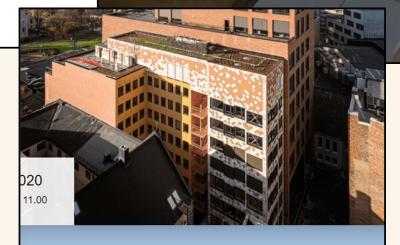




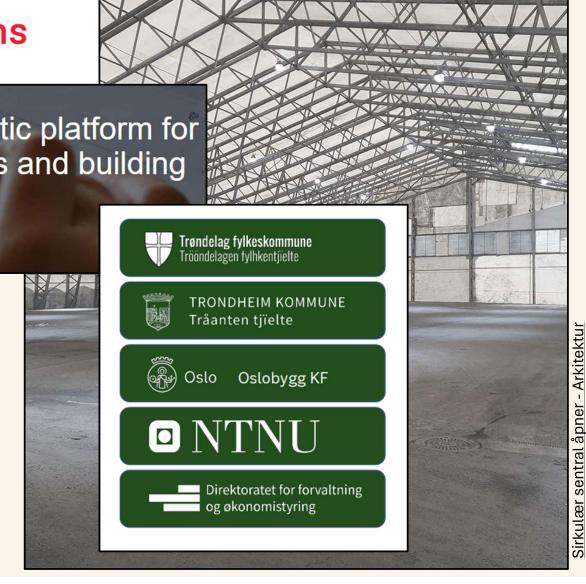


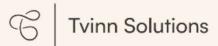
Veidekke: Establishing a company for circular solutions

Loopfront provides a holistic platform for reuse of furniture, fixtures and building materials



FutureBuilt anbefaler: Ombruk av byggevarer – et brukerperspektiv









Nordic





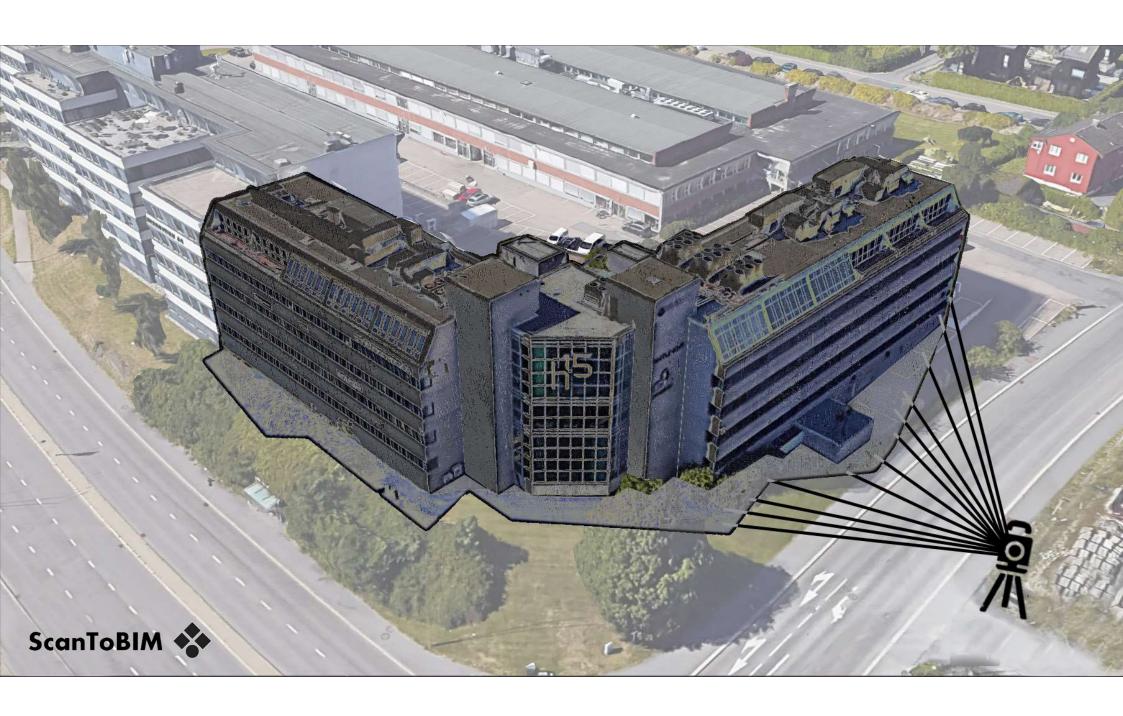
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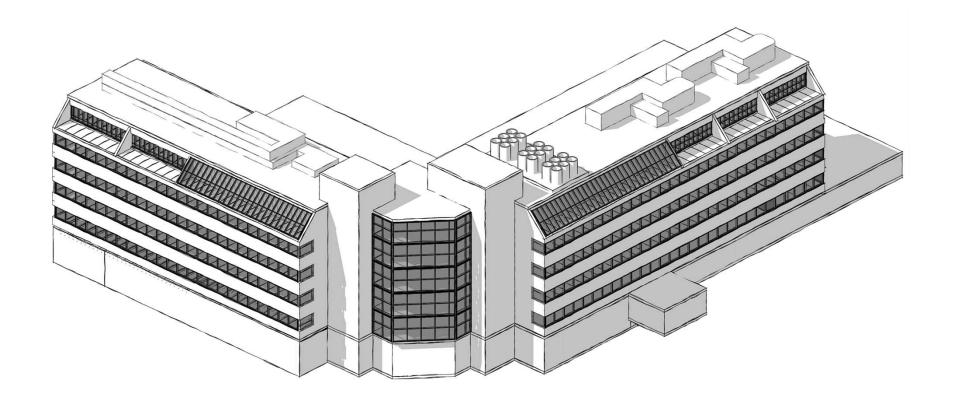




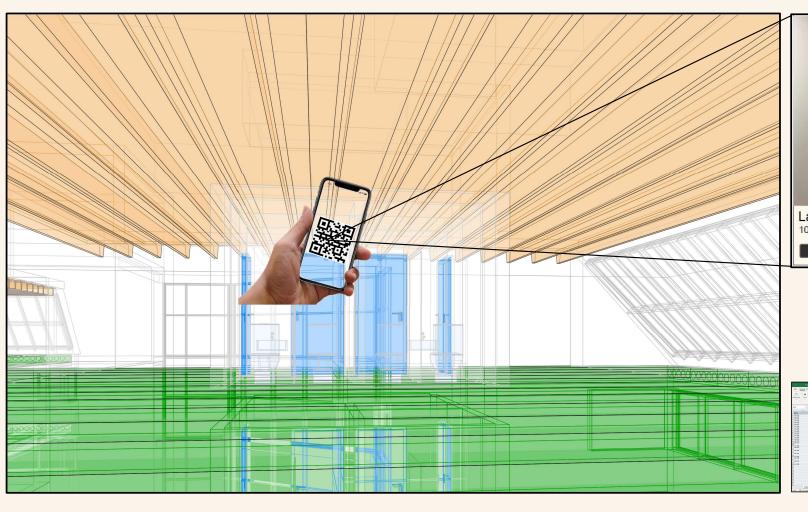










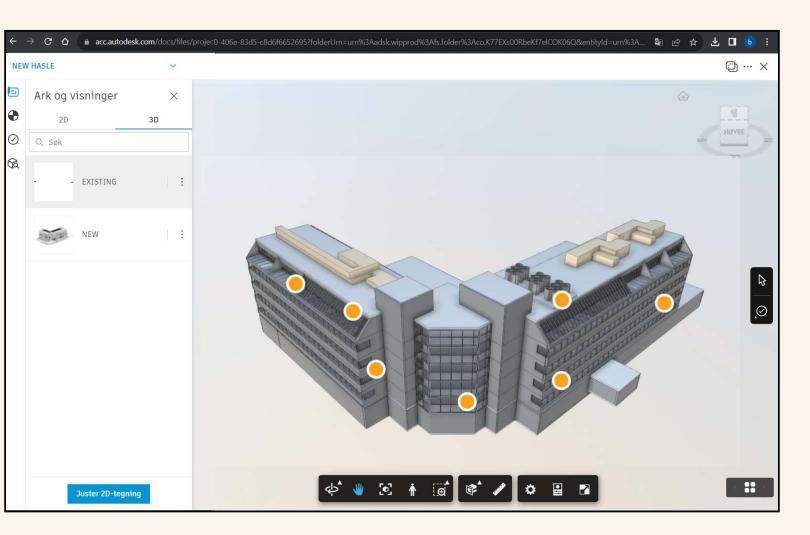






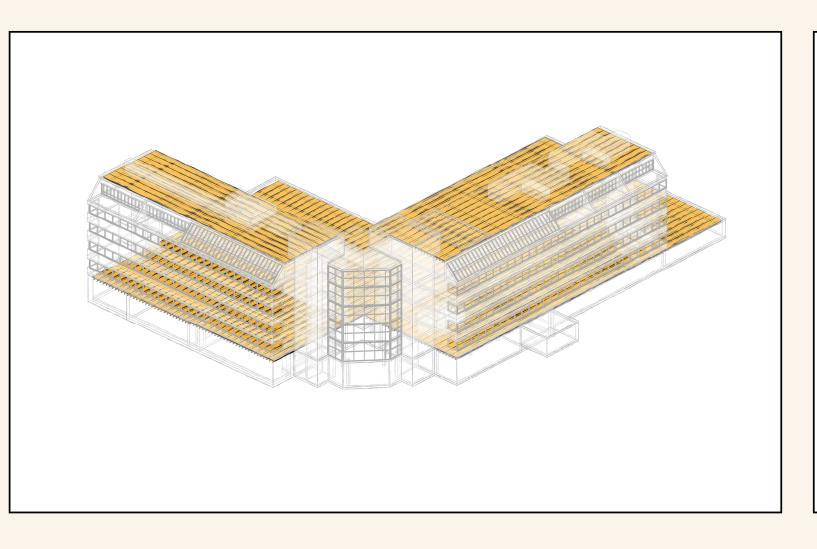






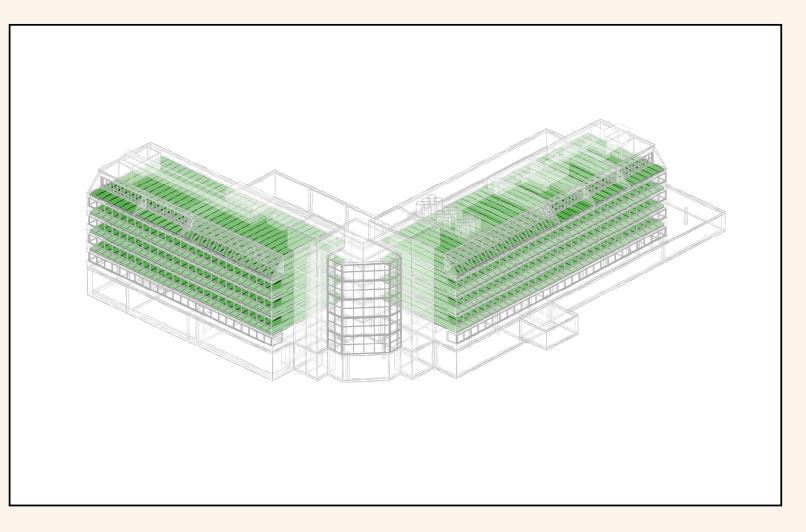


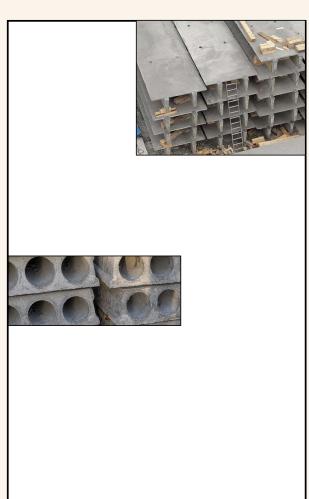
Every project party into the same digital platform



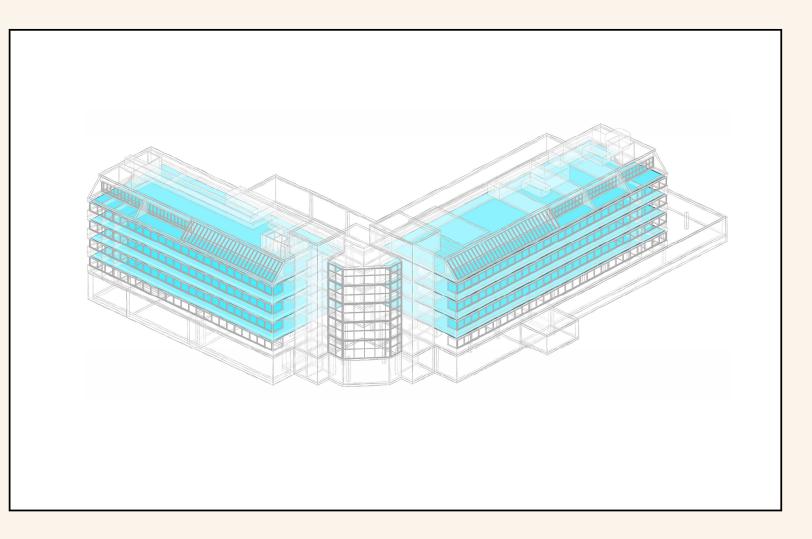


DT Slabs



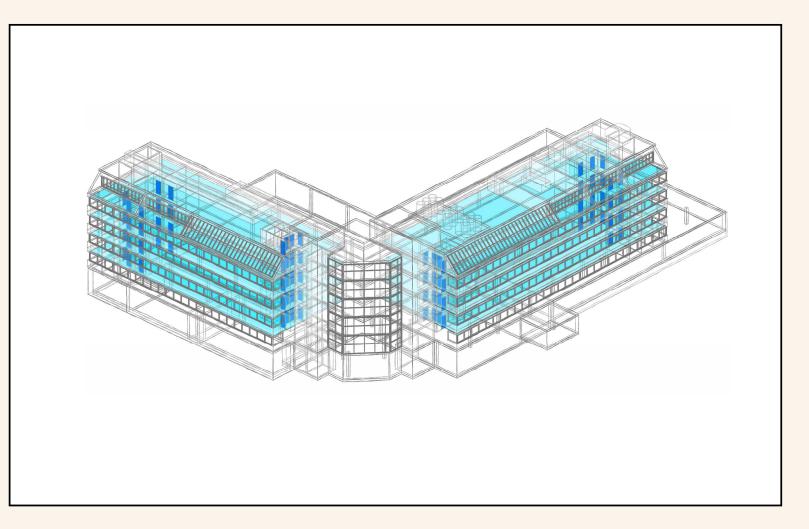


Hollowcore slabs



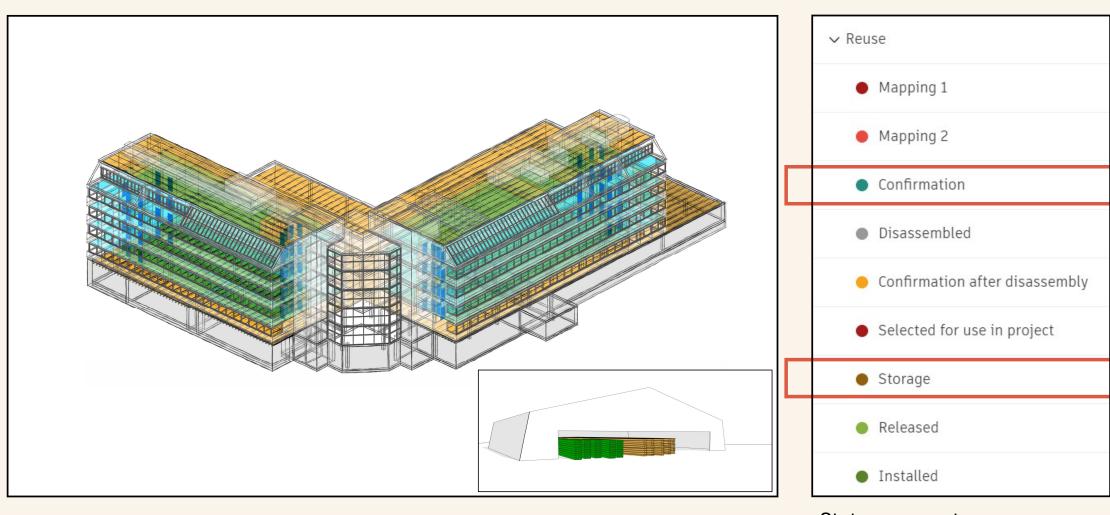


System ceilings

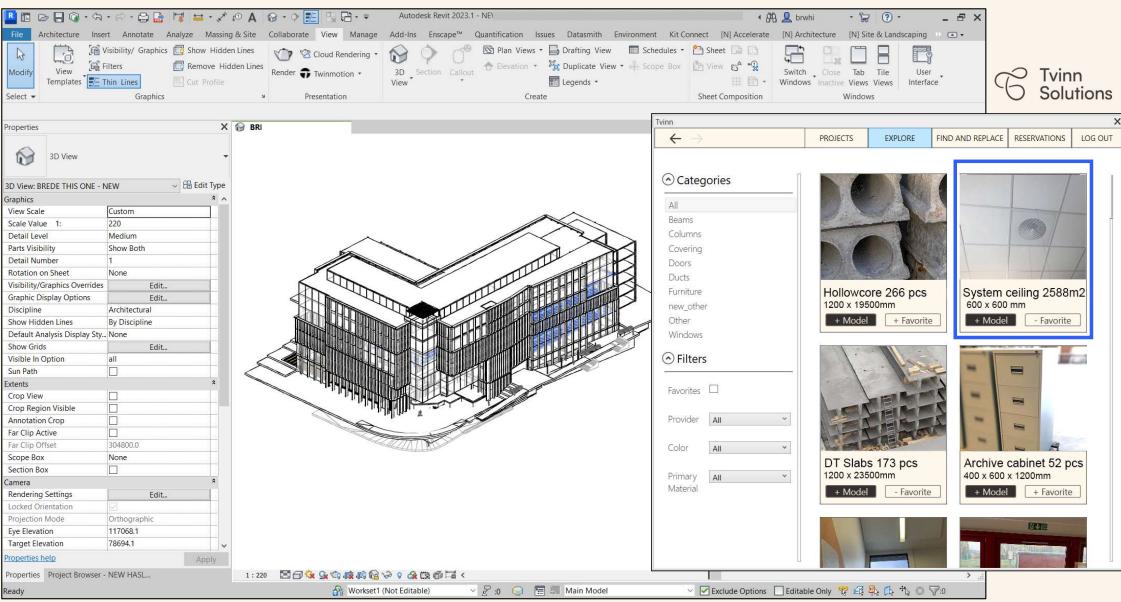




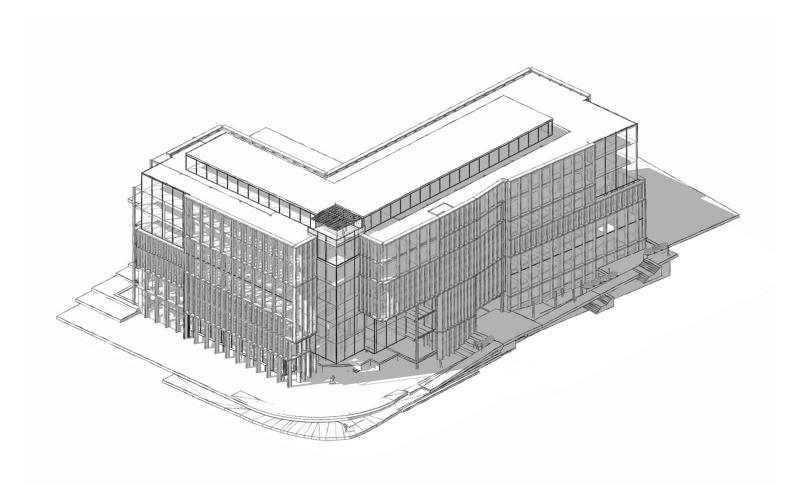
Furniture, toilets, single steel elements, doors, system walls

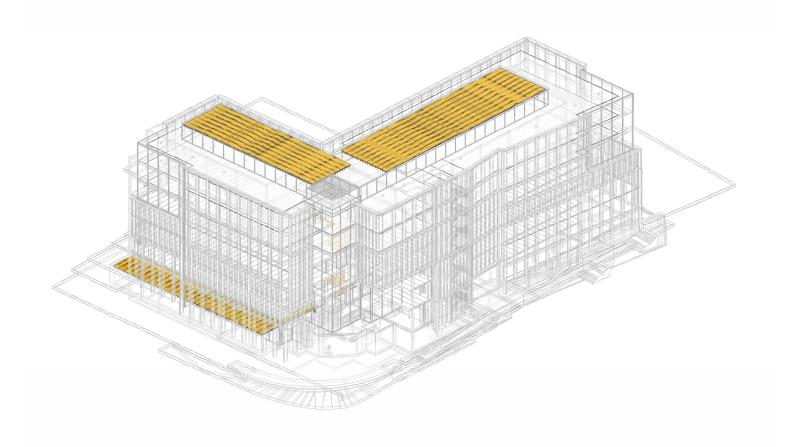


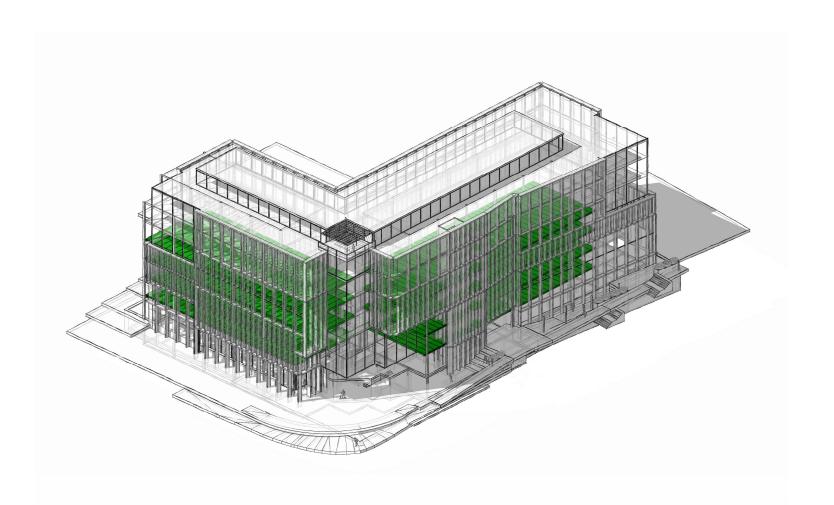
Status parameters

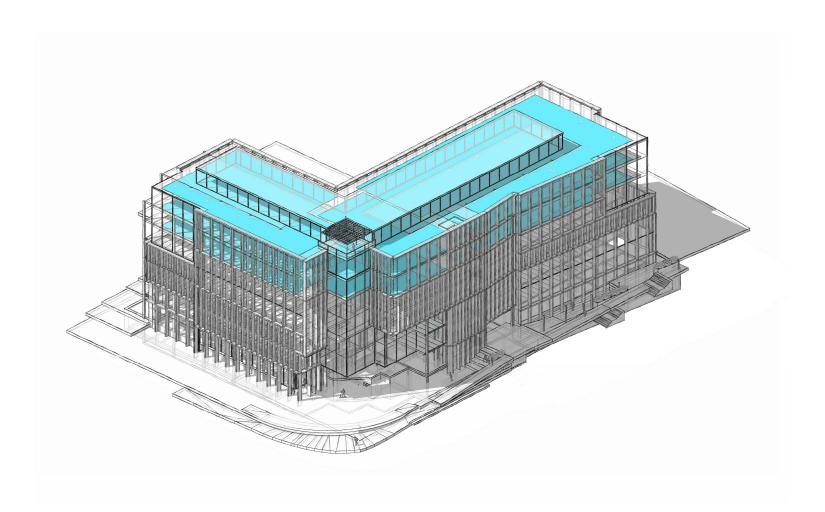


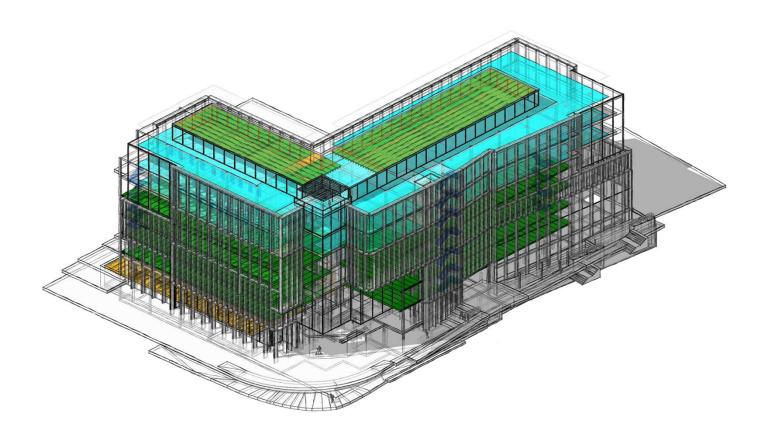
Design with reuse – library from donor building or marketplace

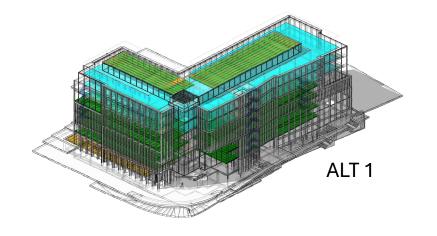






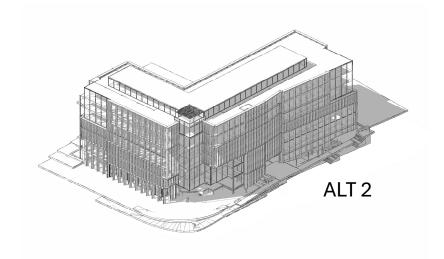






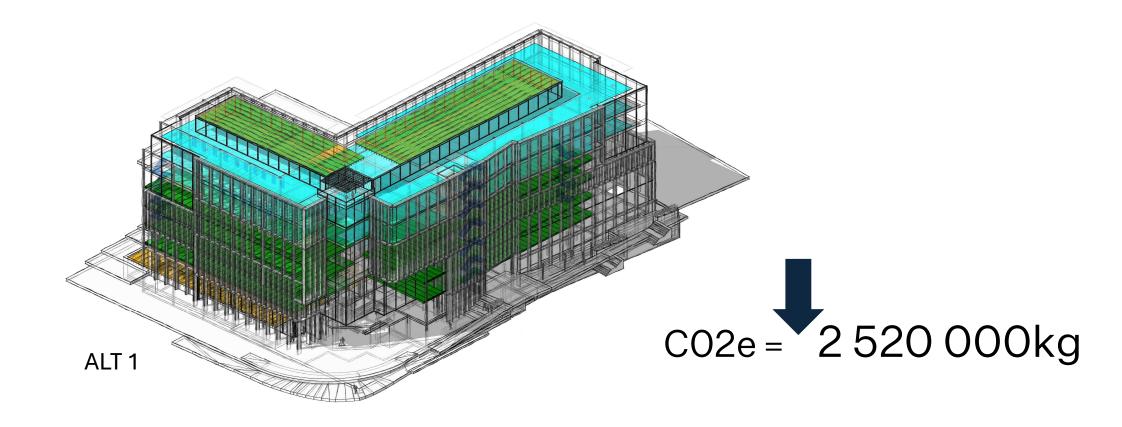
225kg CO2e/m2

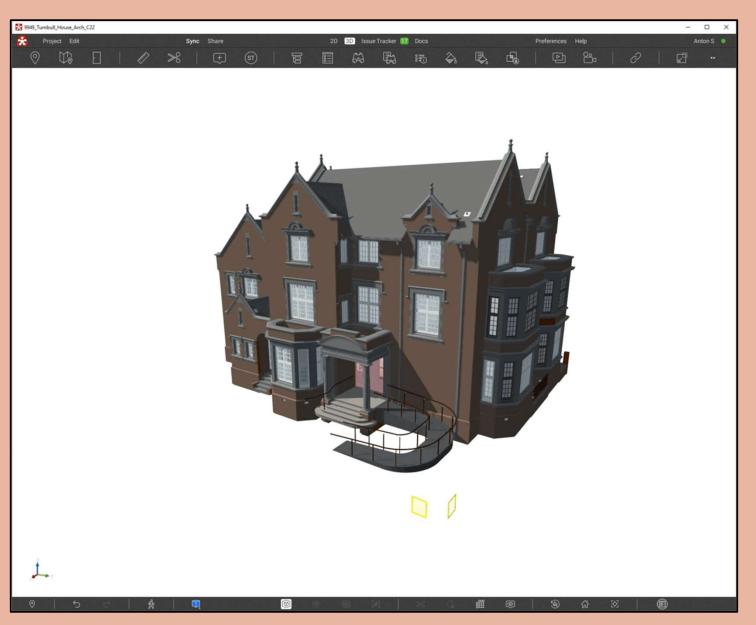
C02e = 3150000kg



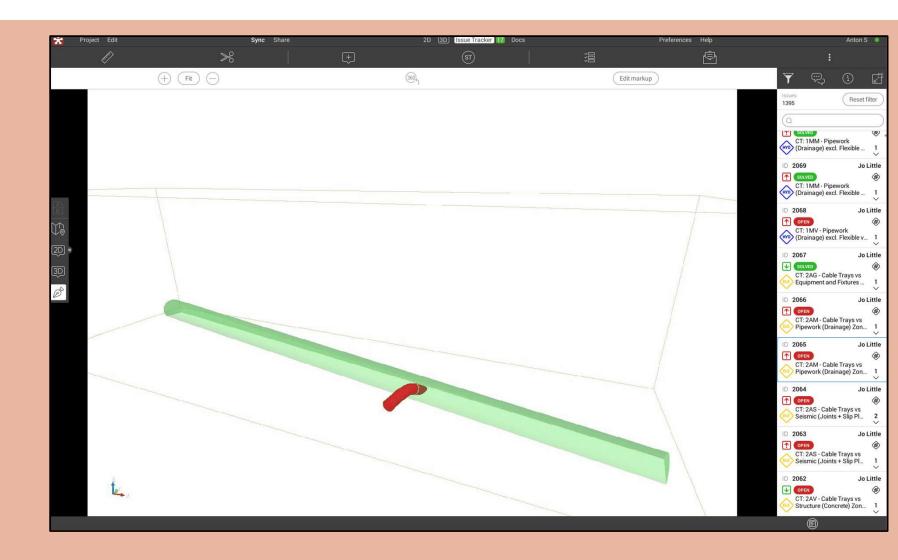
405kg CO2e/m2

C02e = 5670000kg











Advanced BIMWarren and Mahoney

Frustration is an opportunity for innovation

Bridget WhiteBridget.White@WarrenandMahoney.com

