

POWERED BY **GPM**

Berlin
2025

IPMA®
34th World
Congress



WELCOME

to the 34th IPMA World Congress

worldcongress-ipma.com



INNOVATING CONSTRUCTION DIGITAL, LEAN & CULTURE

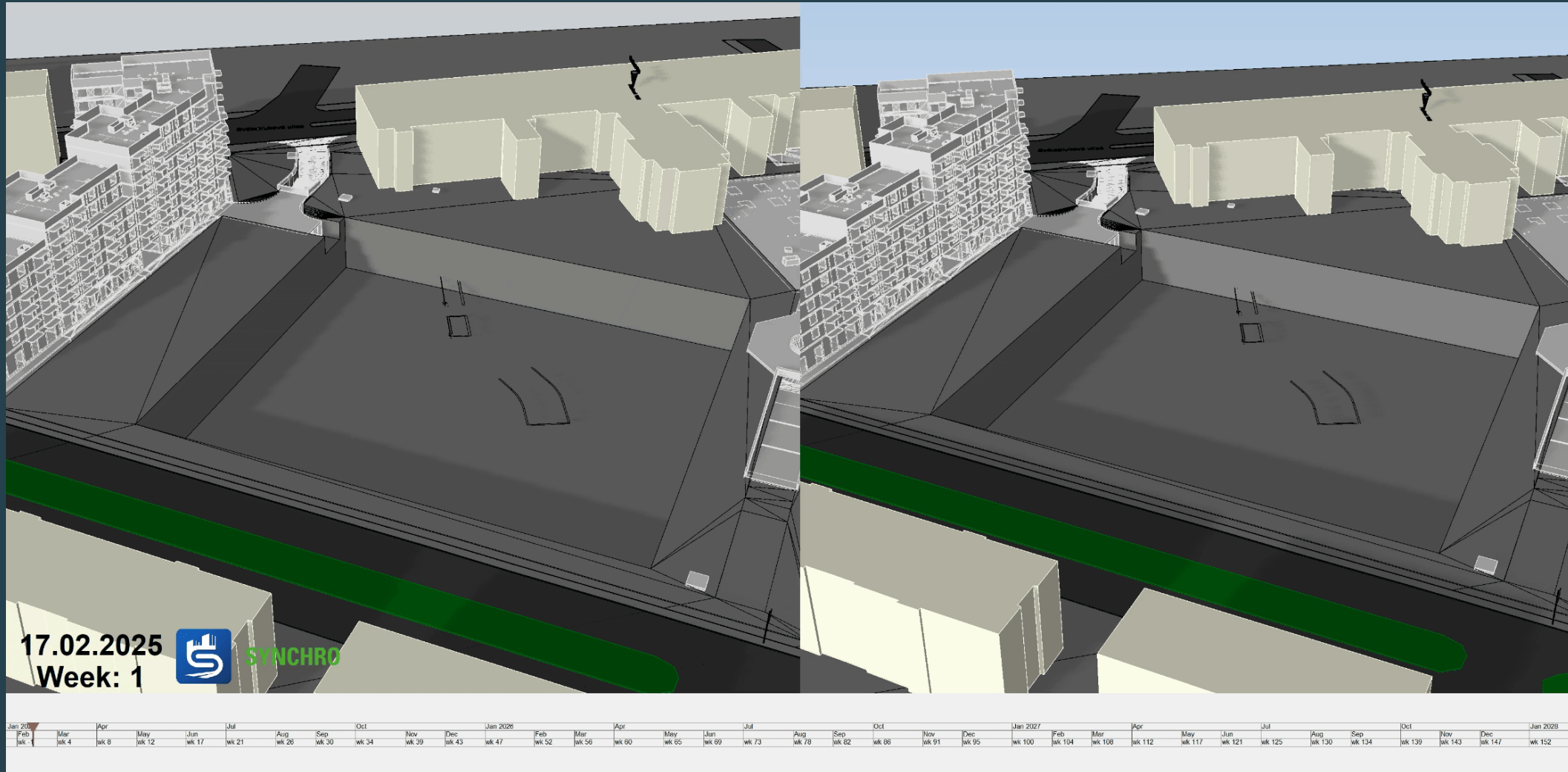
Marek Demcak



Project Zwirn: Gross Build Area 65 056 m²

Gradual construction

Combined construction



Construction duration: 36 months

Construction duration: 31 months

This is **NOT**
REVOLUTION
in construction

This is
PRODUCTIVITY
CRISIS



Photo: historycollection.com



Photo: historycollection.com



Photo: historycollection.com



Photo: historycollection.com

Empire State Building (NYC, 1931)

Construction time:

13,5 months

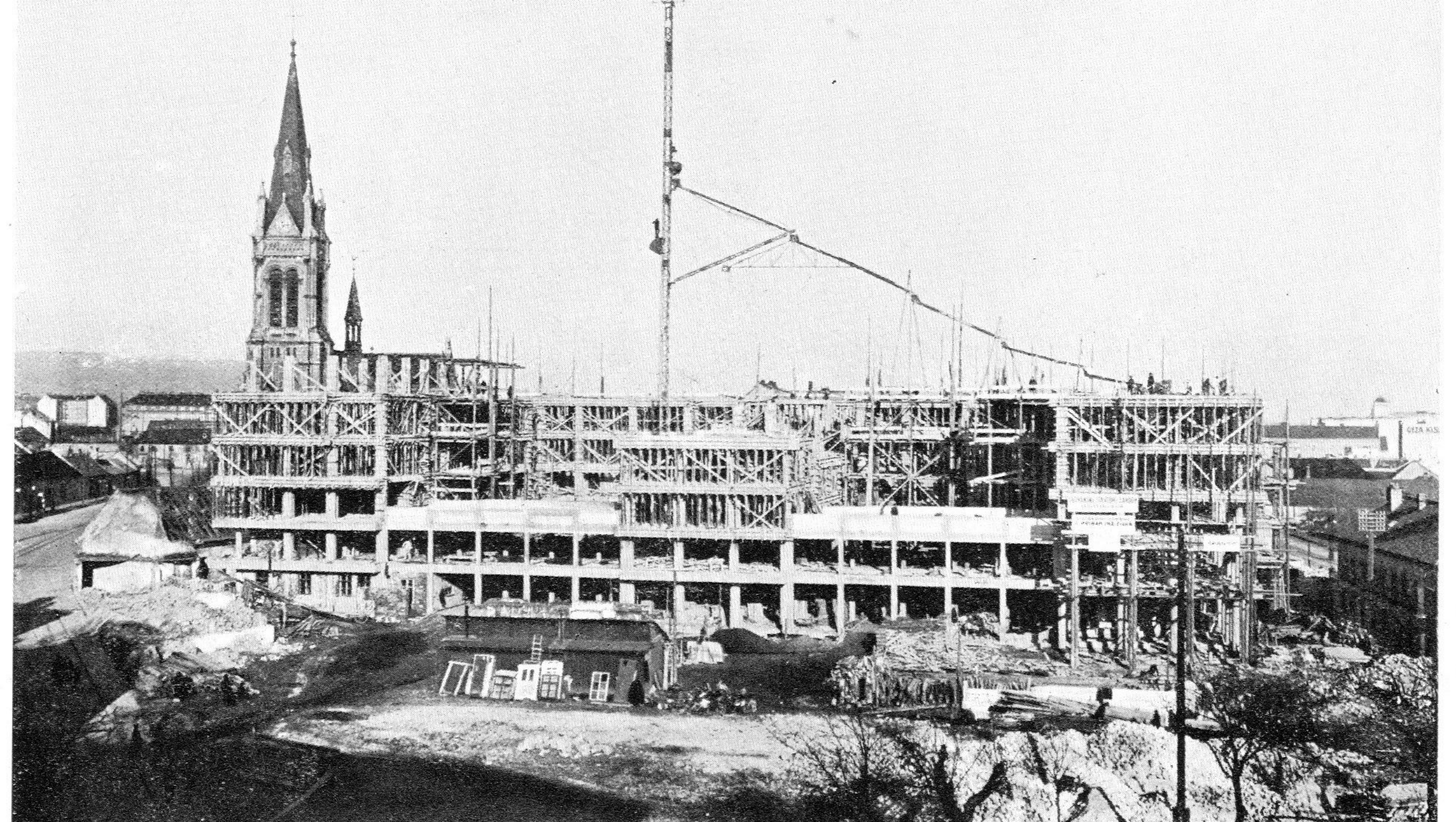
Gross Build Area 208 879 m²

Floors 102

Height 381 m



Photo: historycollection.com







STÁVBA DRUŽSTEVNÉHO OBYTNÉHO BLOKU
DRUŽSTVA PRE VÝSTAVBU NADOMNÝCH DOMOV, BRATISLAVA
1929-30, A. J. A. J. A.
DR. ALOJZ JOZEF MADER SLOVENSKÉ STAVEBNÉ ZDruženie
BRATISLAVA, HORNÝ PRÁVNY
BRATISLAVA ŽEŤSKÁ BANKA
TELEFON 30-60 TELEFON 12-34

OBCHODNÉ MIESTNOSTI KANCELARIE SKLADNÍČE A. J. A. J. A. INFORMÁCIE V KANCELII DRUŽSTVA KADLOVOU NÁM. Č. 12, BRATISLAVA 1-1	STAVEBNÝ ÚRAD MAGAZÍN DR. J. A. J. A. INFORMÁCIE DR. J. A. J. A. KADLOVOU NÁM. Č. 12, BRATISLAVA 1-1
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AVION

AVION (BRATISLAVA, 1931)

Construction time:

14 months

Gross Build Area 29 500 m²

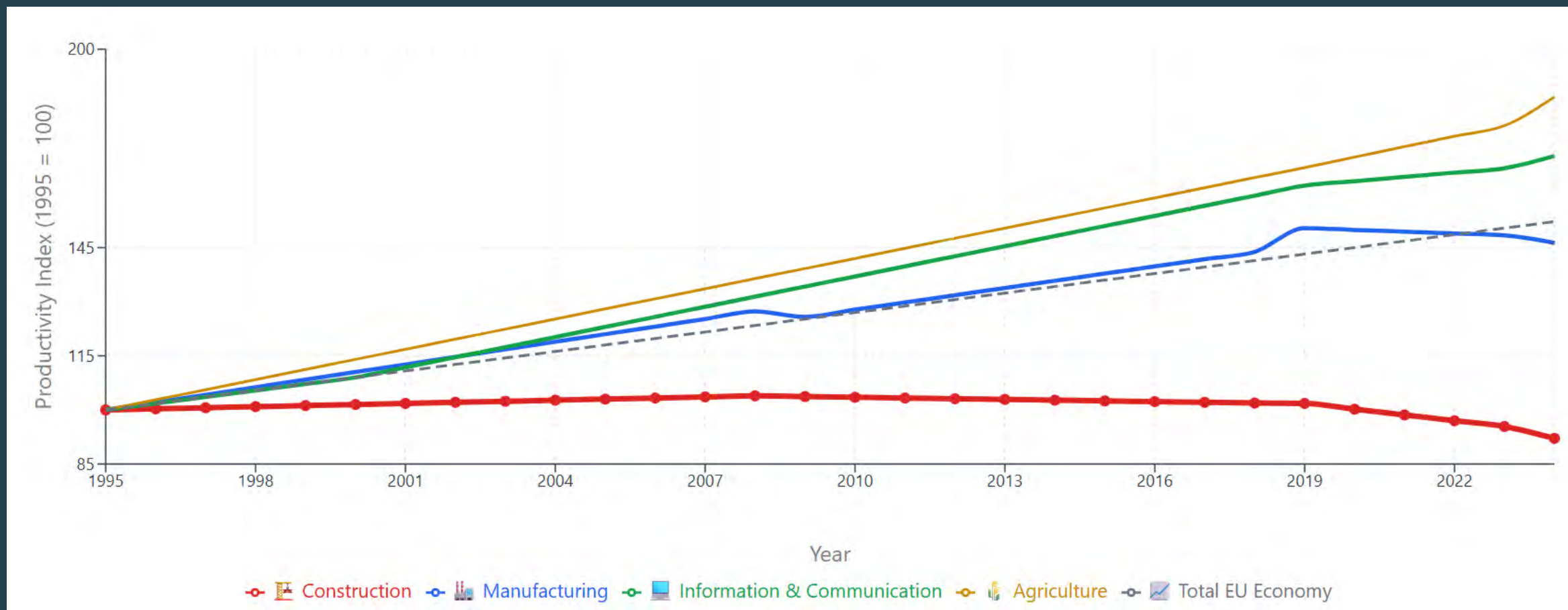
Floors 7

Today
construction time
estimation:

27 months



Gross Value Added per Hour Worked

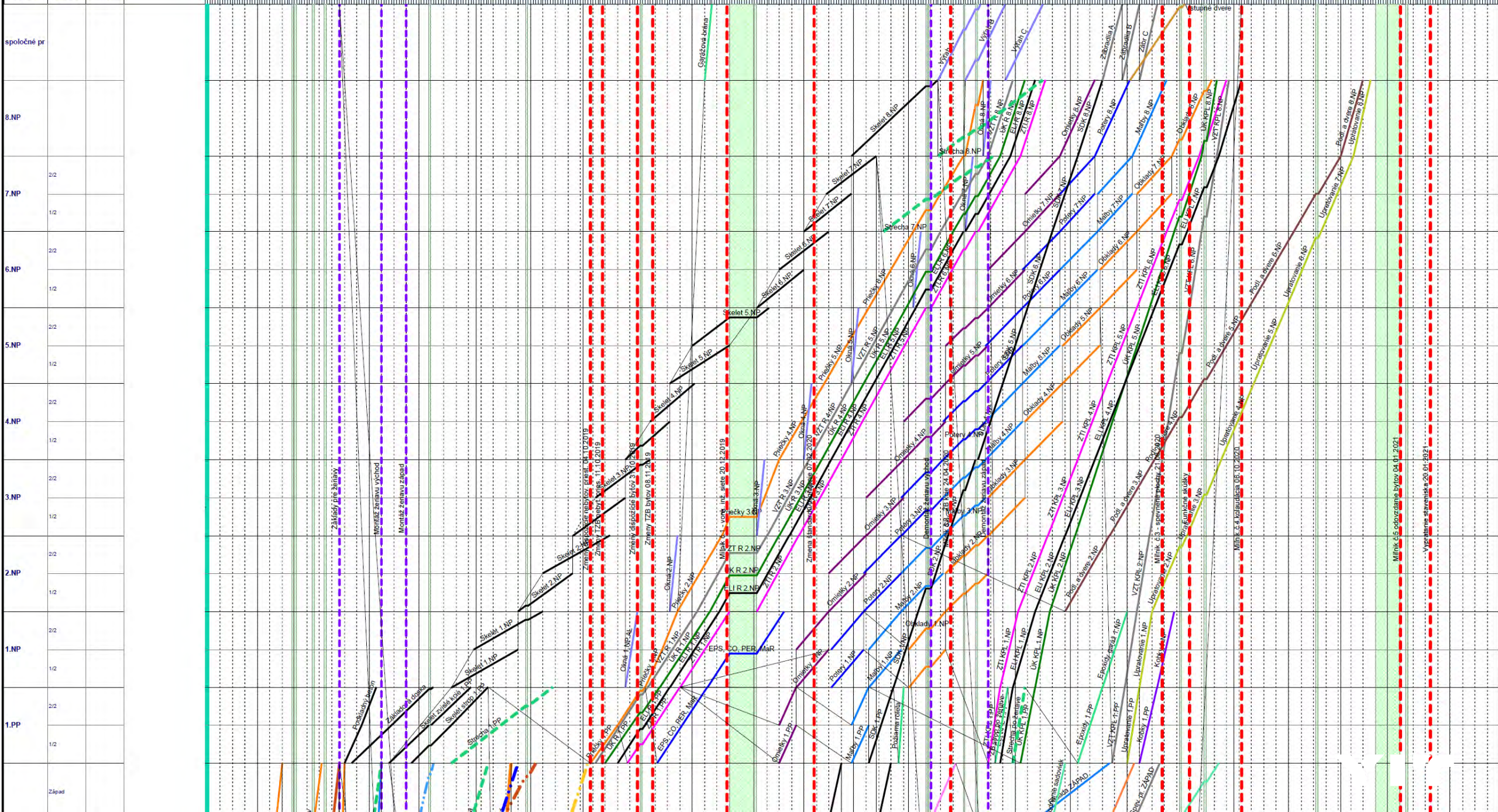




This is the worst day of my life.



The worst day of your life...so far.

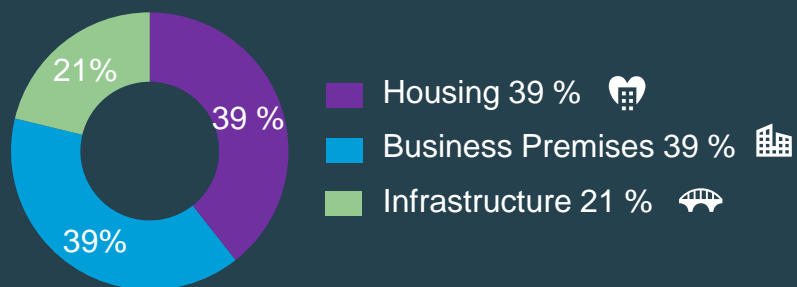




Who we are?



YIT in brief



Revenue in 2024

€ **1.8** billion

Personnel in 2024

~4 100



YIT Slovakia in brief

Revenue in 2024

€ **75** million

Personnel

~230

Customer Net
Promoter Score

68%

We cover the entire lifecycle in Housing and Business premises



Innovative Urban Developer with in-house Construction



RACIONALISATION

More value to customers
with optimized resources



DIGITALISATION

Standardized data
in connected systems



COMPANY CULTURE

Collaboration to ensure
satisfaction across
the entire ecosystem



RACIONALISATION

More value to customers
with optimized resources

„All we are doing is looking at the time line, from the moment the customer gives us an order to the point when we collect the cash.

And we are reducing the time line by reducing the non-value adding activities.“

— *Taiichi Ohno*



| Value Stream Mapping (Bathroom completion)



BRUTAL FACT

LEAD TIME: 512 h (64 days)
PRODUCTION TIME: 48 h (6 days)
ACTIVITY RATIO: 9,3 %

ACHIEVEMENT

-46 Days to complete
the bathroom



Our achievements in construction time

NUPPU area: Project 3



Gross Build Area 11 315 m²

20 months

NUPPU area: Project 5



Gross Build Area 11 263 m²

17 months

NUPPU area: Project 15 (plan)

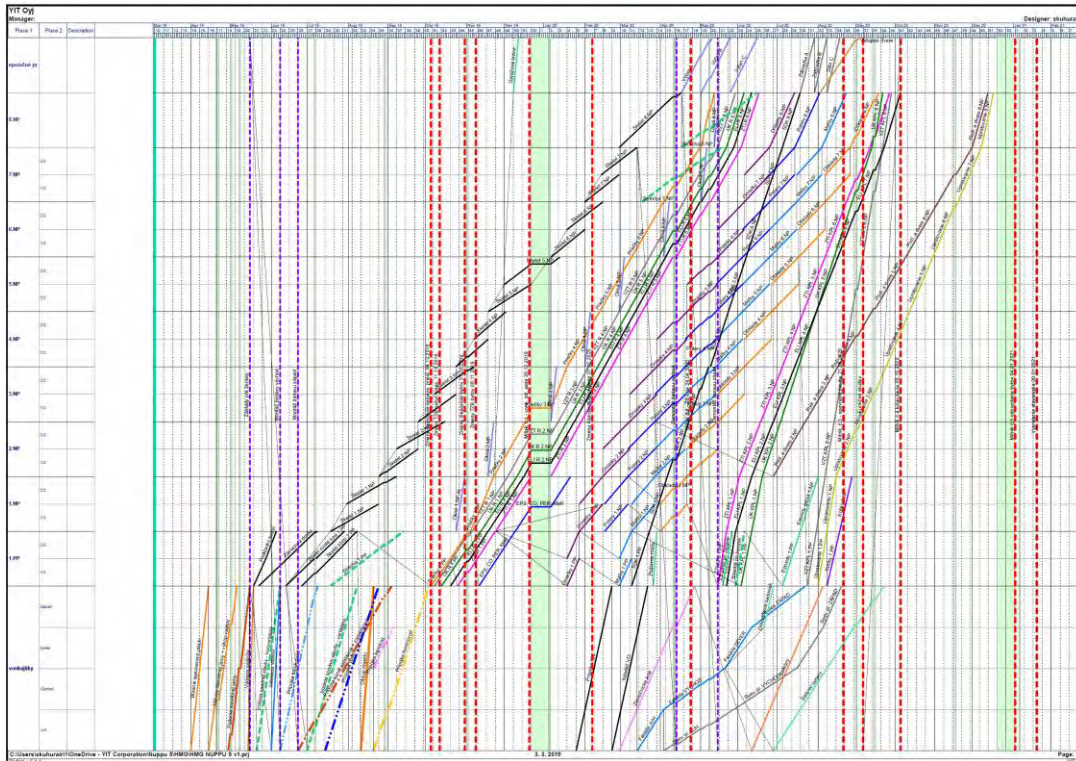


Gross Build Area 7 833 m²

11 months

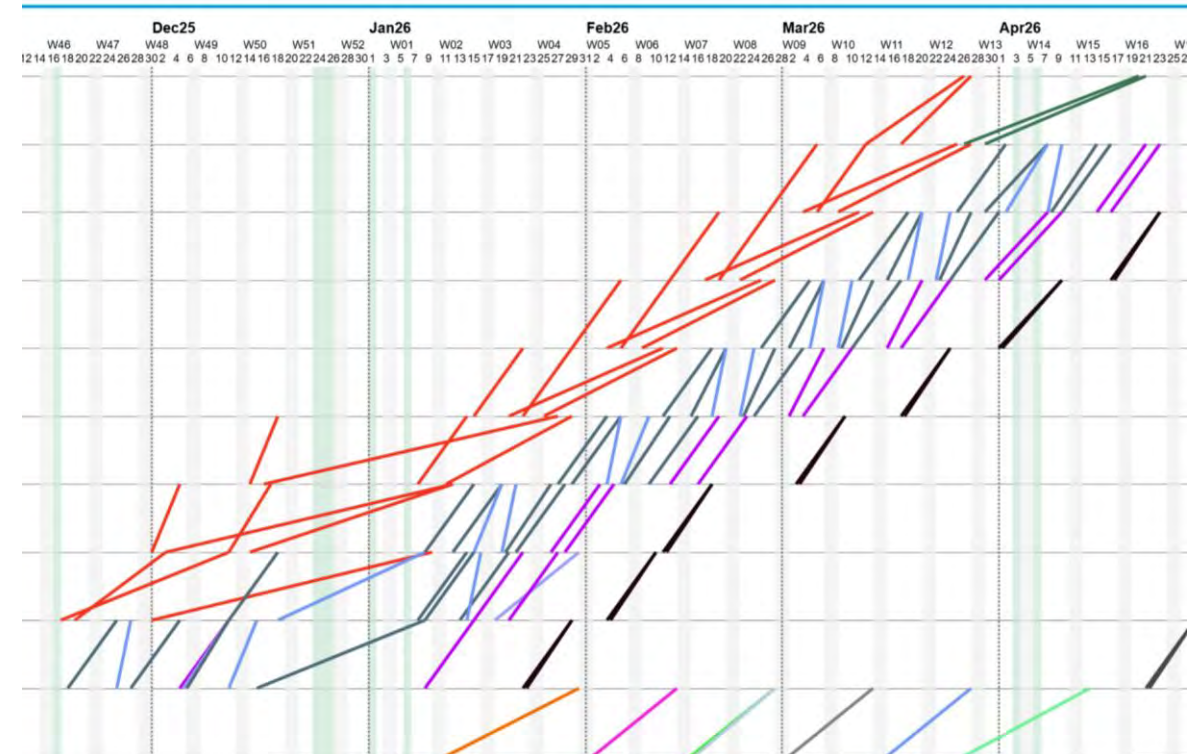
Our achievements in construction time

NUPPU area: Project 5

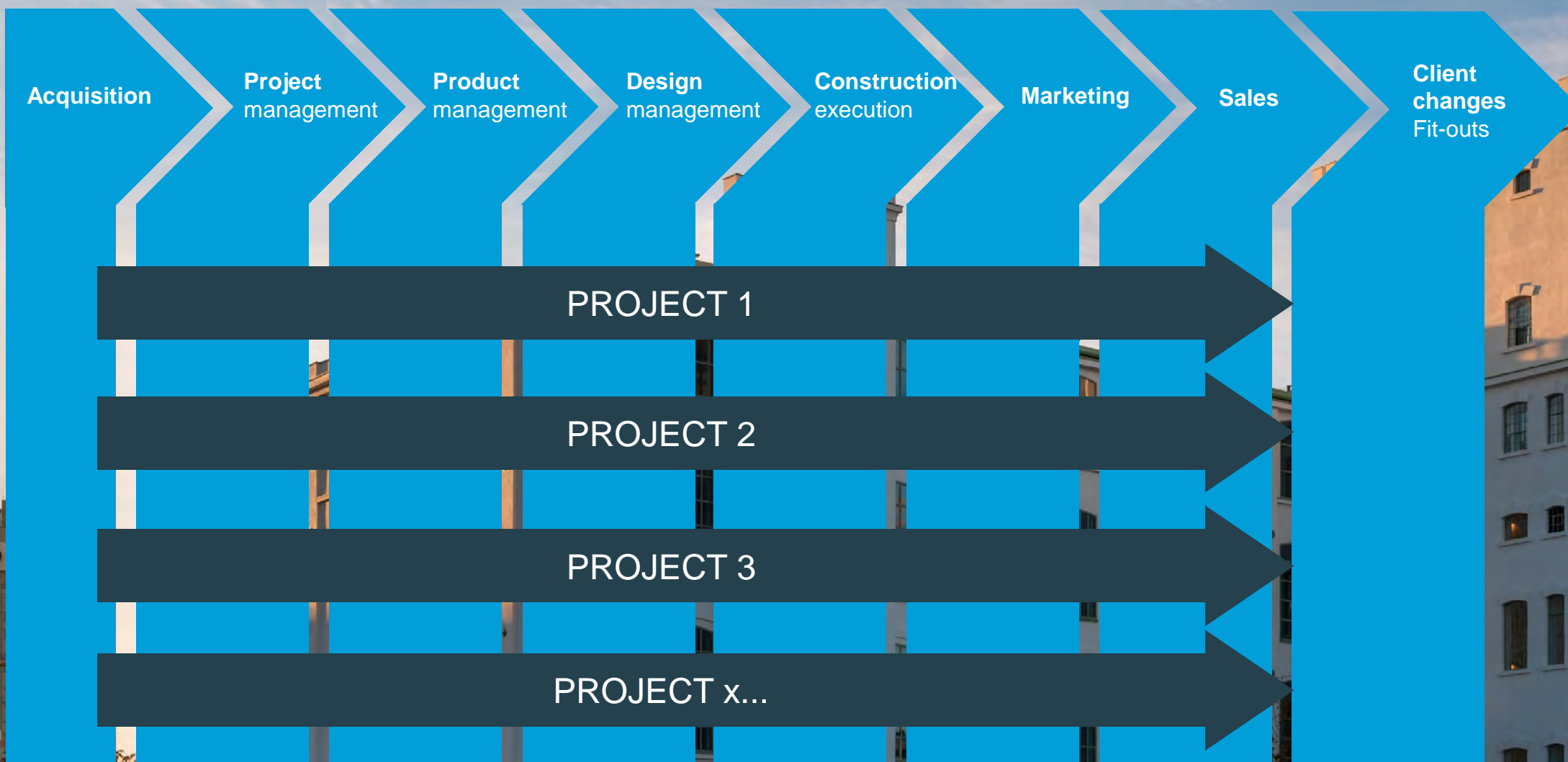


Gross Build Area 11 263 m²
17 months

NUPPU area: Project 15




Gross Build Area 7 833 m²
11 months

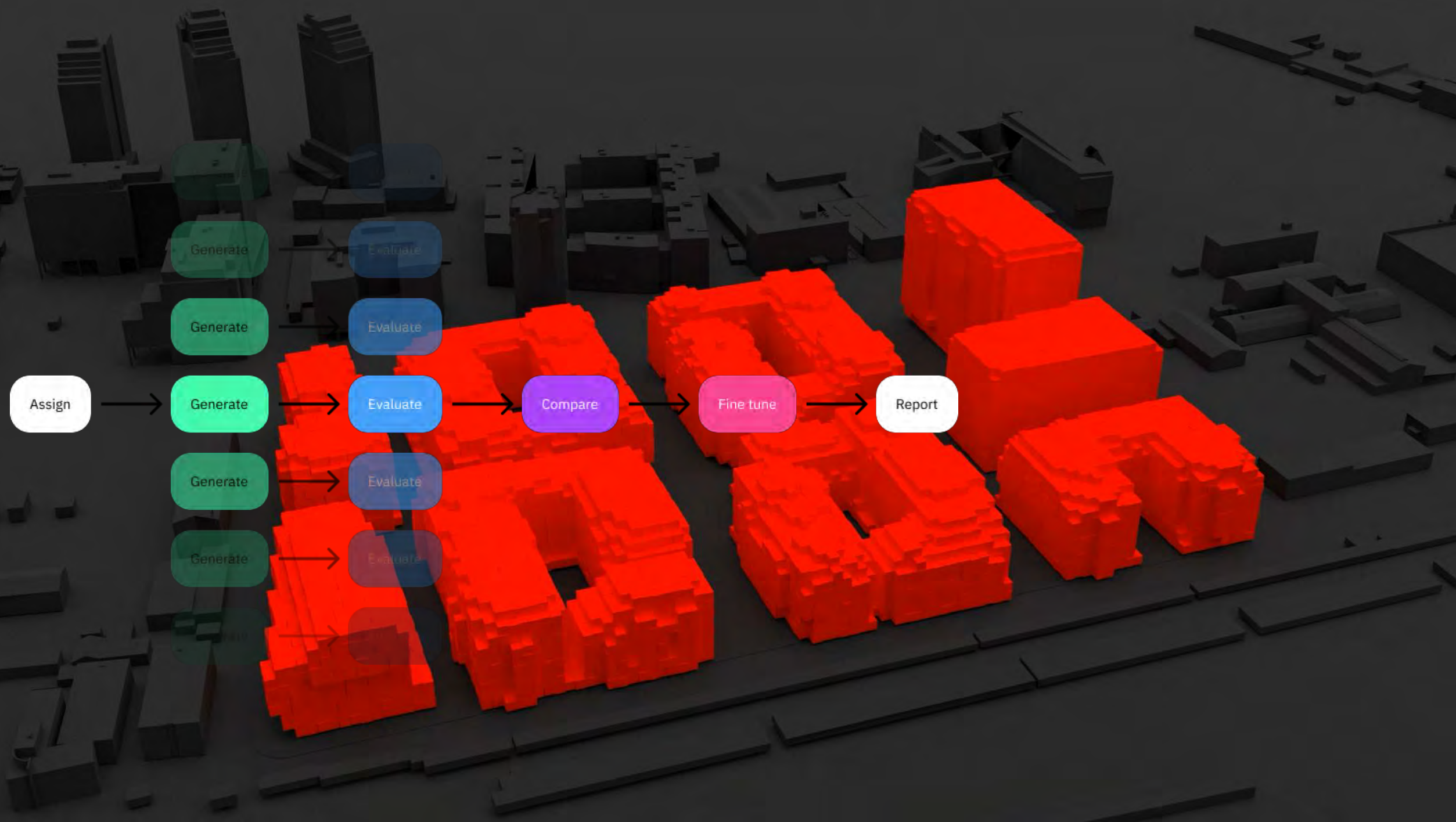


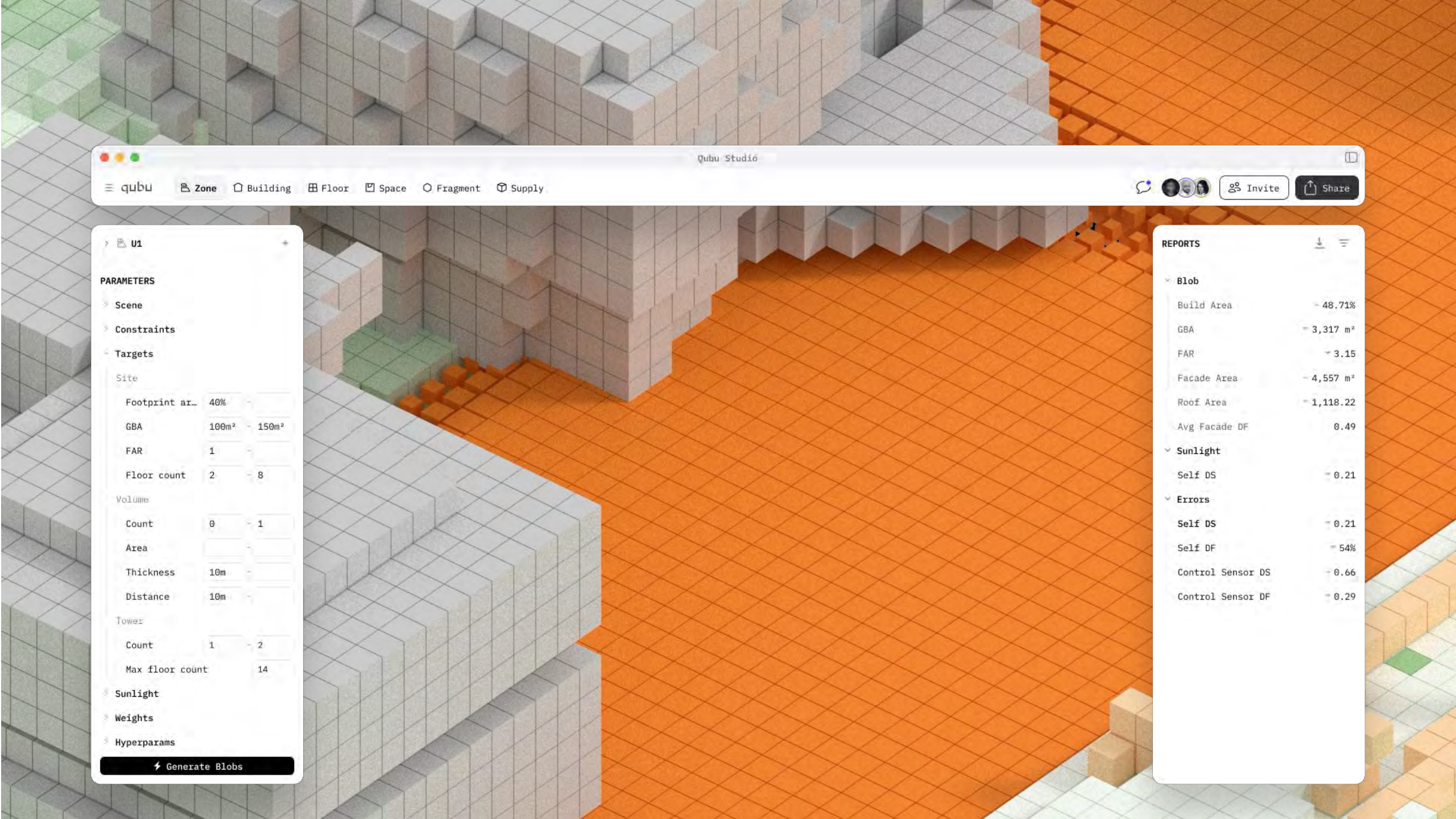


DIGITALISATION

A black and white photograph of Sarah Connor from the movie 'The Terminator'. She is wearing a tactical vest, sunglasses, and has short, light-colored hair. She is leaning forward, resting her arm on a wooden surface. The background is dark and out of focus.

**Sarah Connor
watching you
using AI
for everything**





U1

PARAMETERS

Scene

Constraints

Targets

Site

Footprint ar... 40%

GBA 100m² - 150m²

FAR 1

Floor count 2 - 8

Volume

Count 0 - 1

Area

Thickness 10m

Distance 10m

Tower

Count 1 - 2

Max floor count 14

Sunlight

Weights

Hyperparams

⚡ Generate Blobs

REPORTS

Blob

Build Area - 48.71%

GBA - 3,317 m²

FAR - 3.15

Facade Area - 4,557 m²

Roof Area - 1,118.22

Avg Facade DF 0.49

Sunlight

Self DS - 0.21

Errors

Self DS - 0.21

Self DF - 54%

Control Sensor DS - 0.66

Control Sensor DF - 0.29



COMPANY CULTURE



Collaboration to ensure satisfaction across the entire ecosystem



Thank you

Lets connect on LinkedIn



YIT