Business Director Petri Suur-Askola (M.Sc. eMBA)

WAY TO DELTABEAM


1996

Content:

Peikko today

Reasons of Precast Success

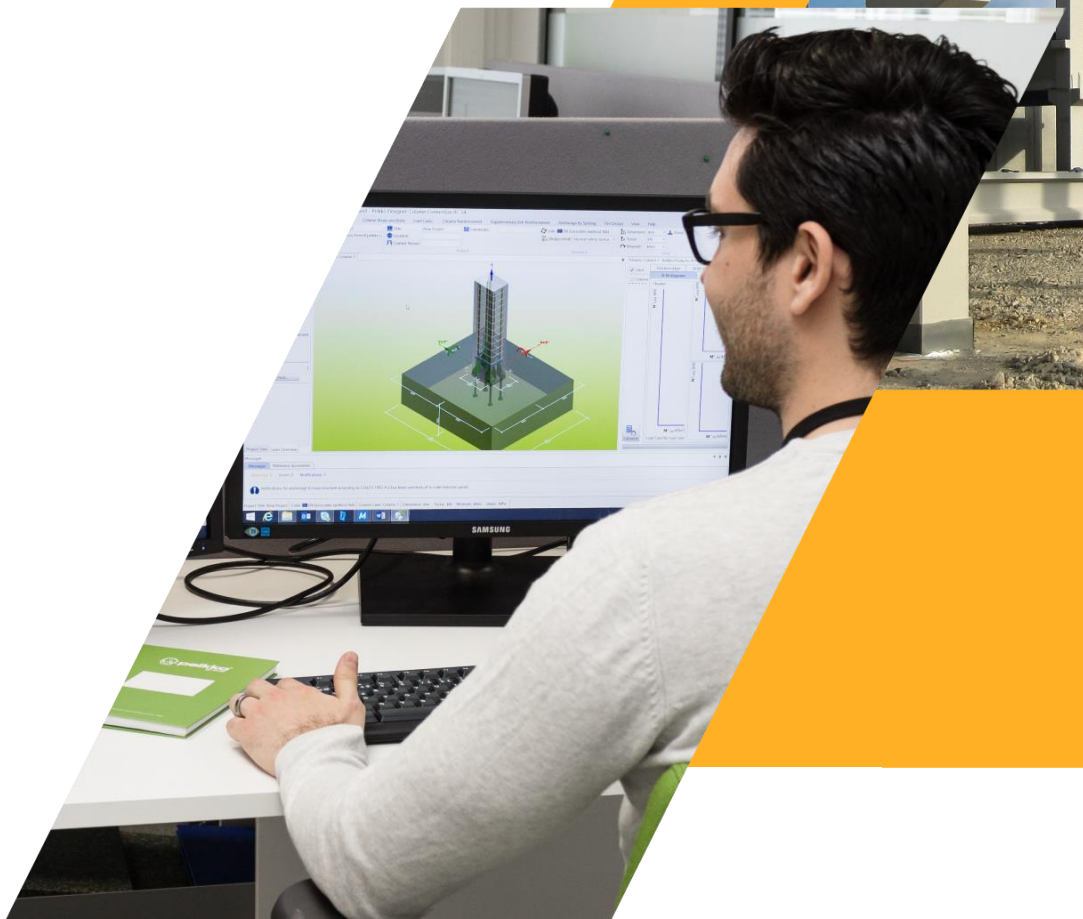
BES: concrete element standard

Development of low flange

peikko®

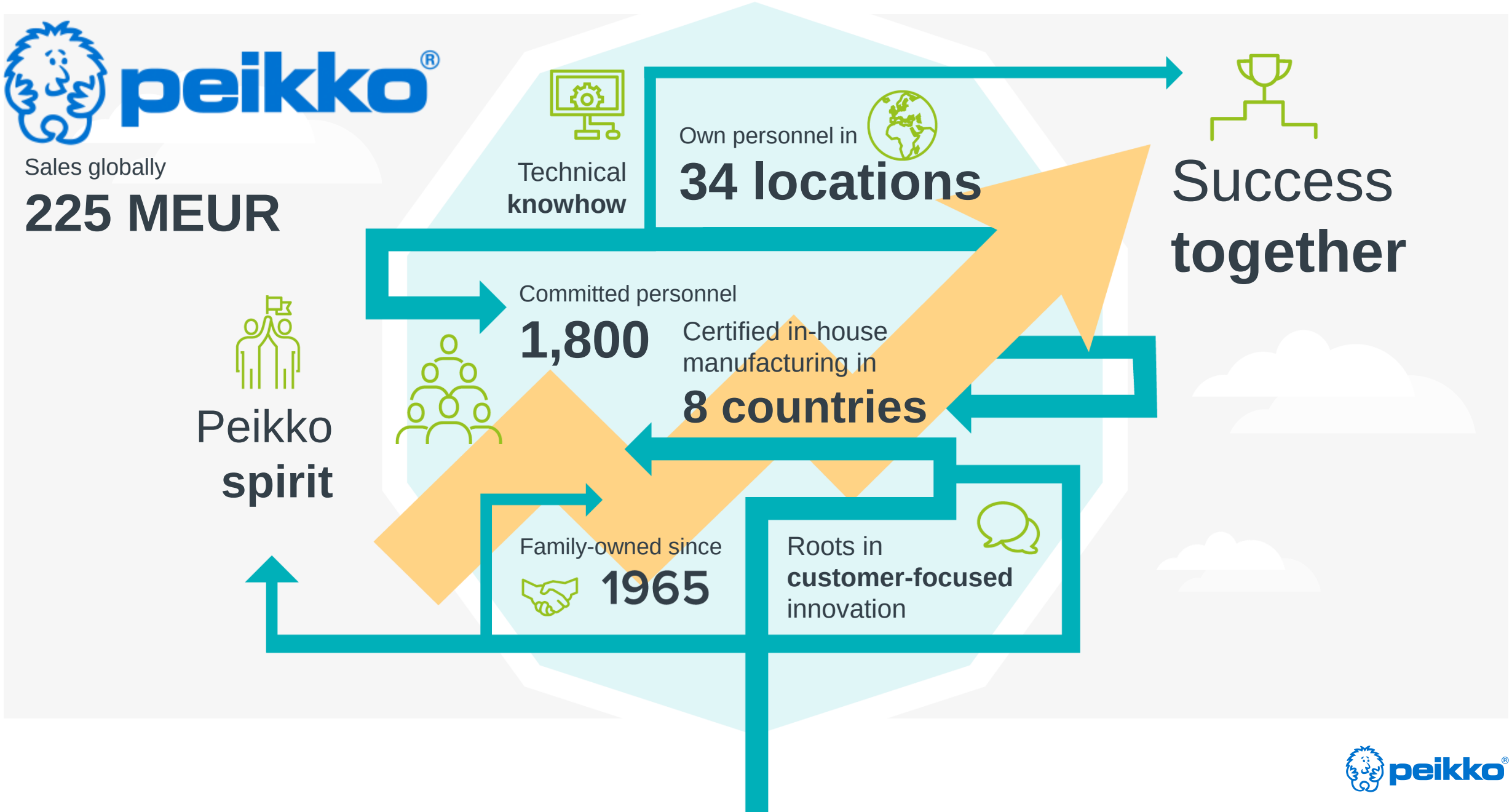
changes

the building industry to more efficient



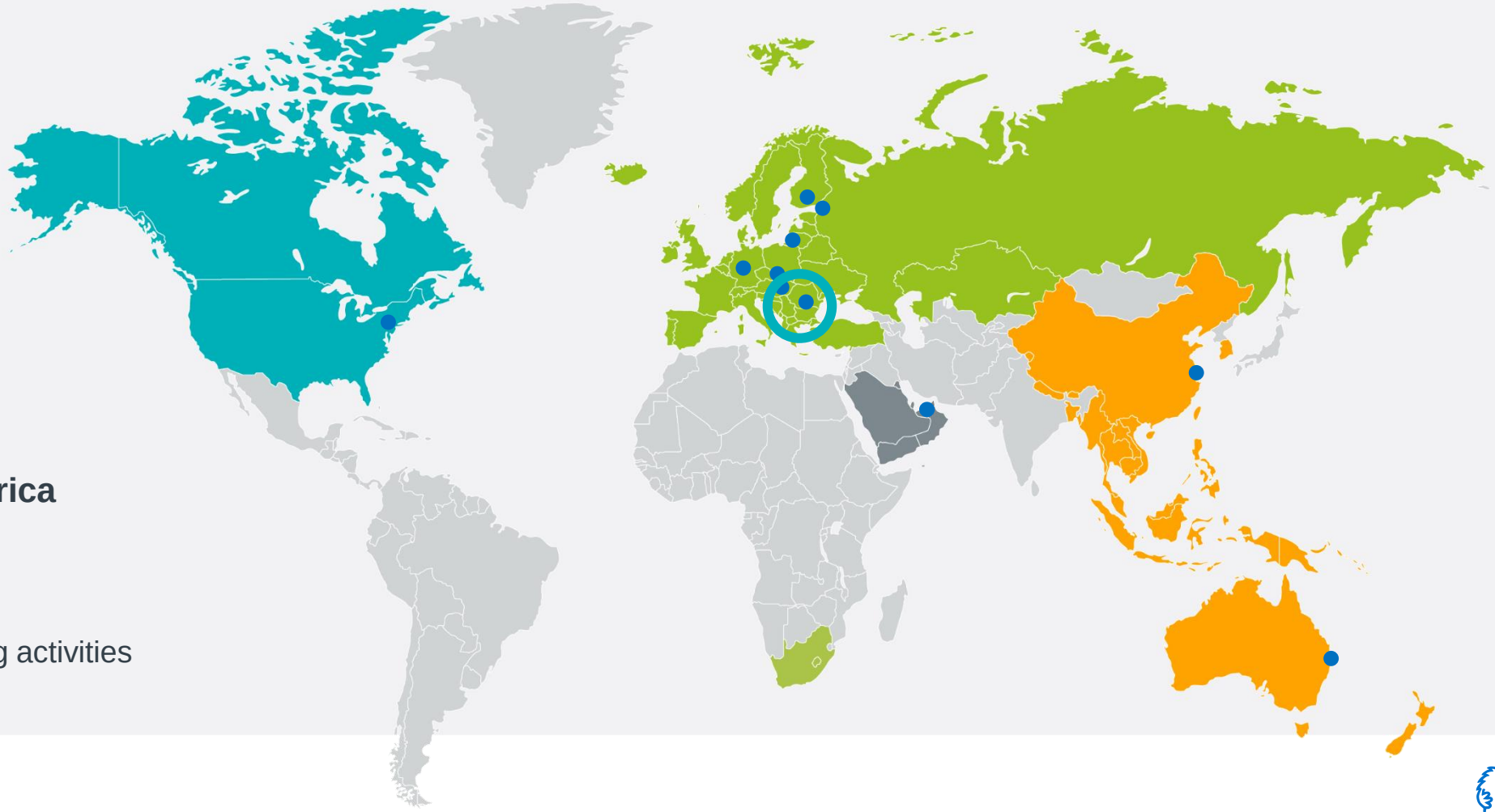
peikko®

THIS IS **PEIKKO** IN 2019



WHERE WE ARE ?

peikko®

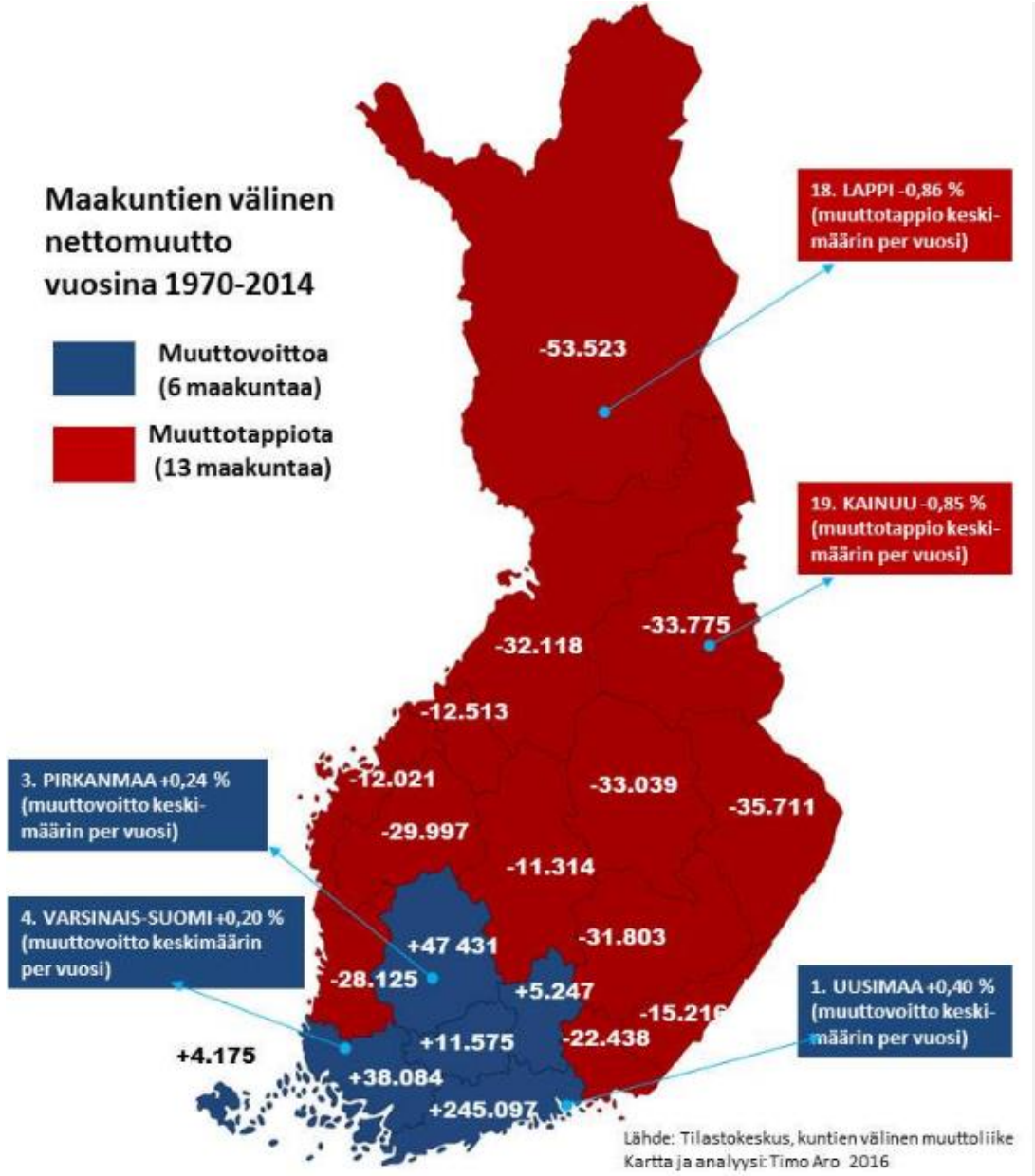


- Europe
- North America
- Gulf
- APAC
- Manufacturing activities

peikko®

REASONS FOR PRECAST SUCCESS

People moving south need for fast residential construction

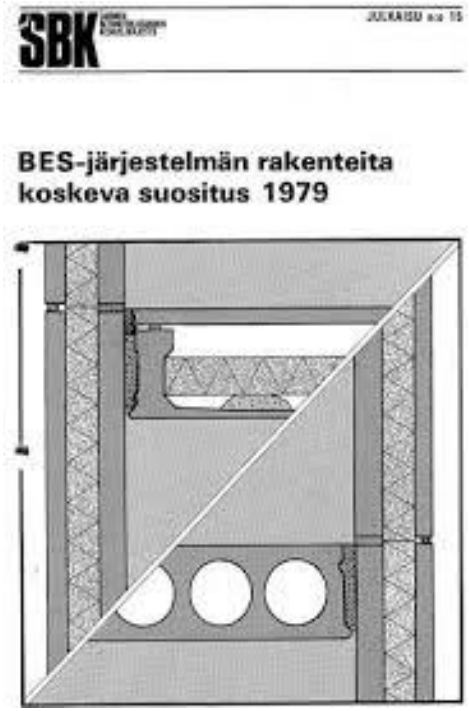


1960: PRECAST HOMES

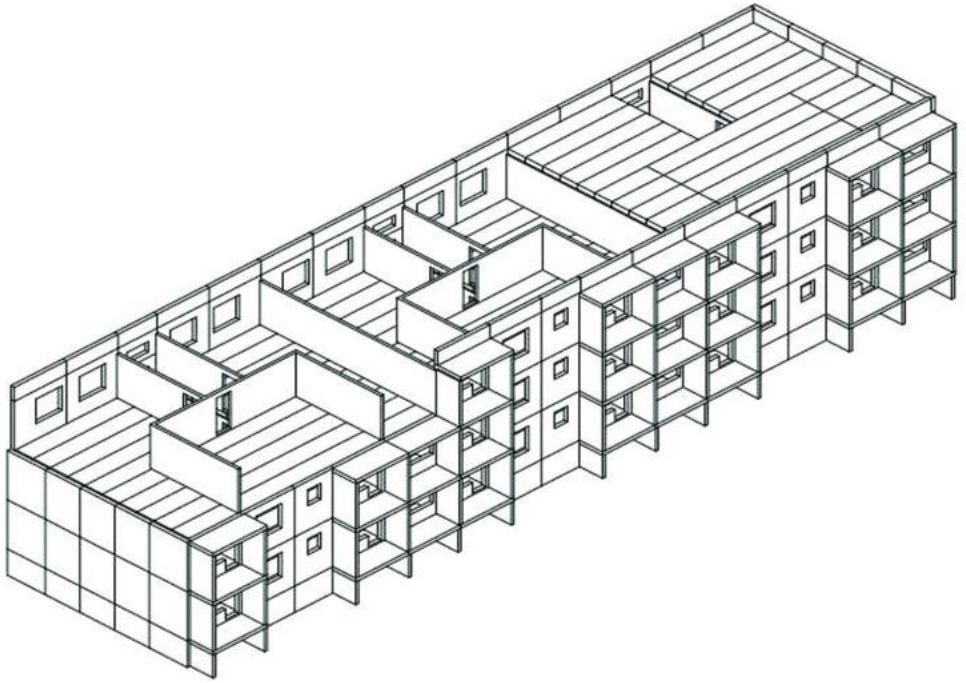
BES system for residential standard

Based on long span hollow core slabs

One Standard- Efficiency

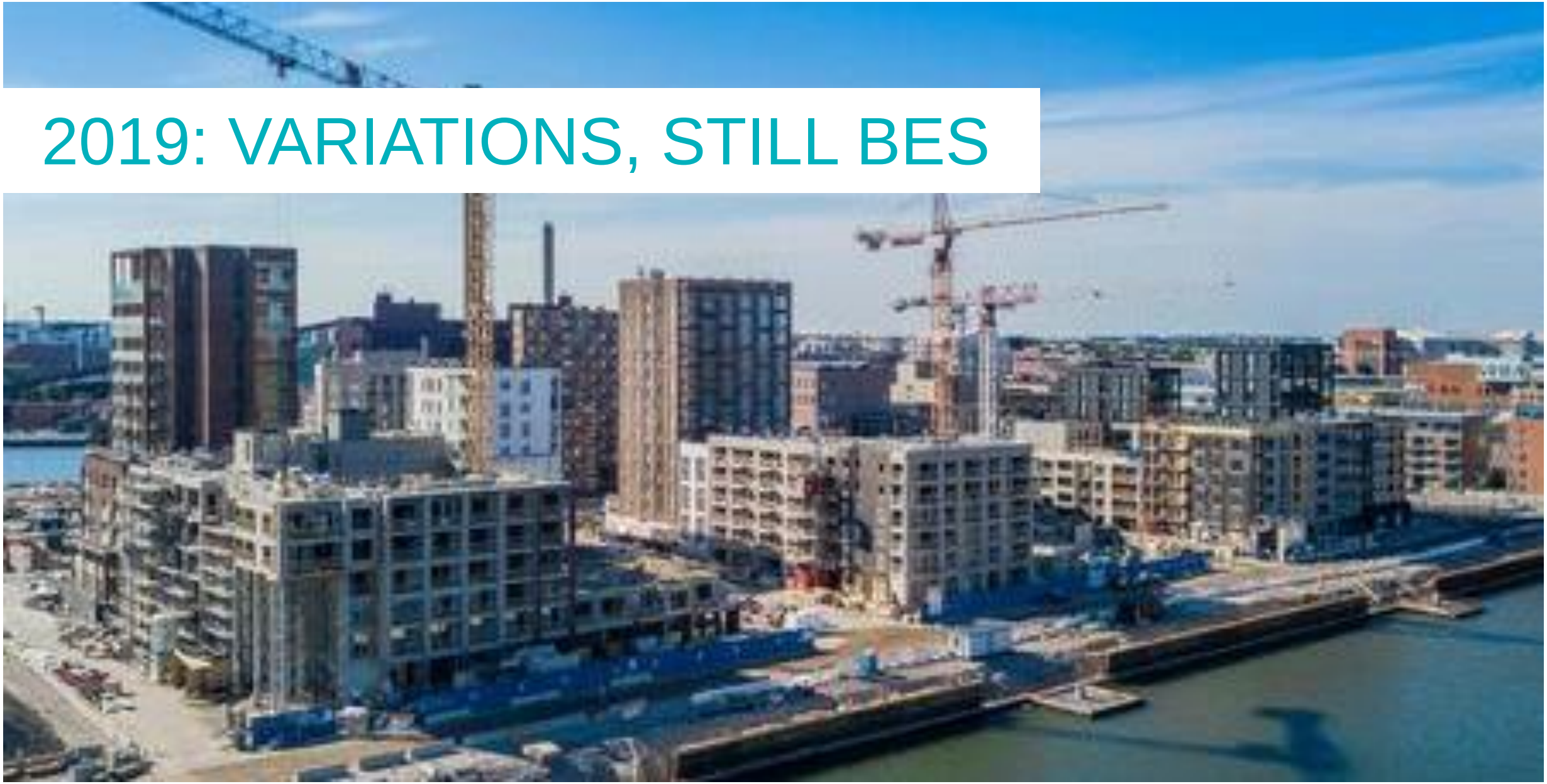


Mass Production – long series



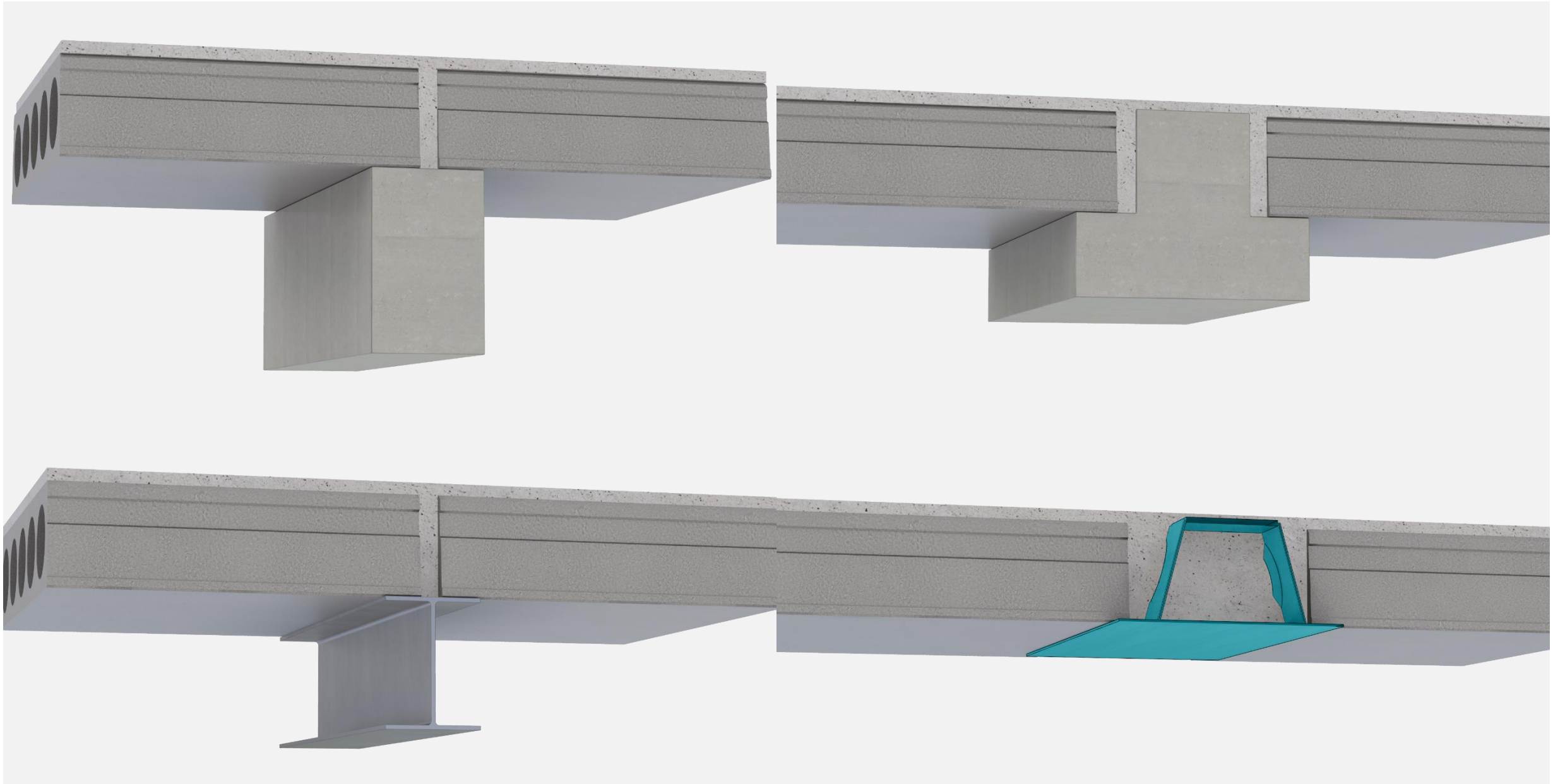
Affordable Housing

2019: VARIATIONS, STILL BES

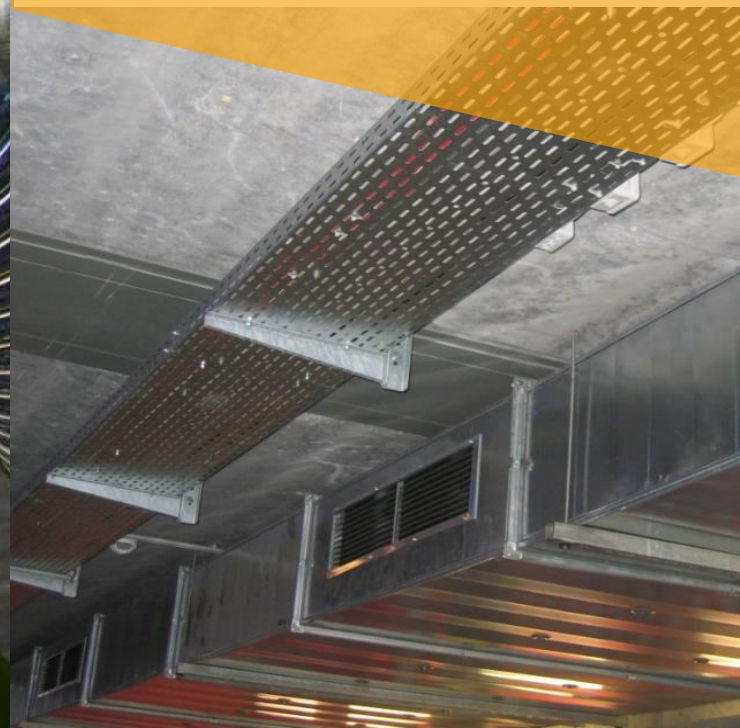


1970: BES PRECAST FRAMES

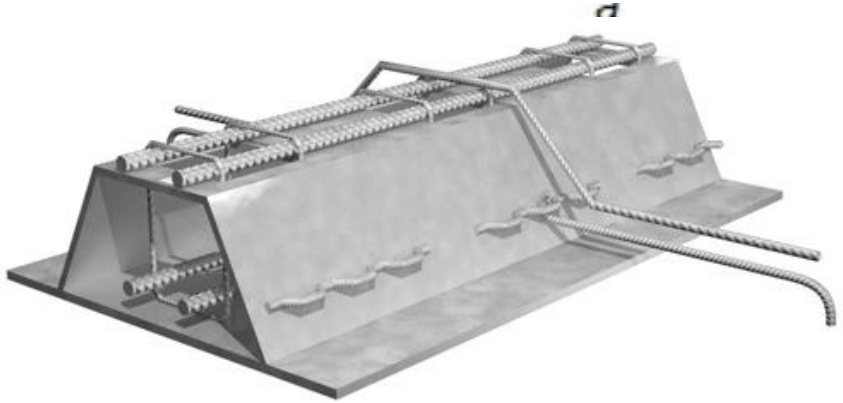
LOW FLANGE BEAMS

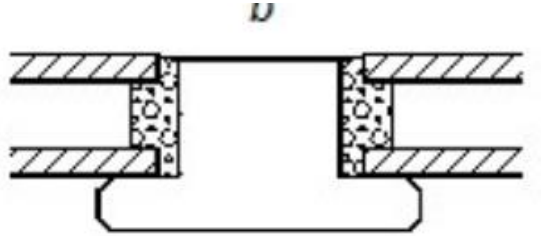


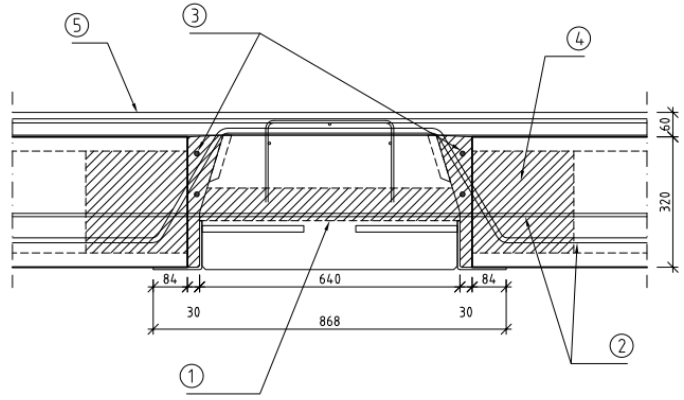
Technical installations, easily

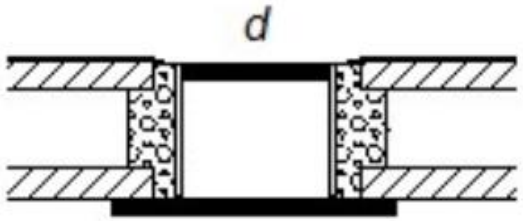


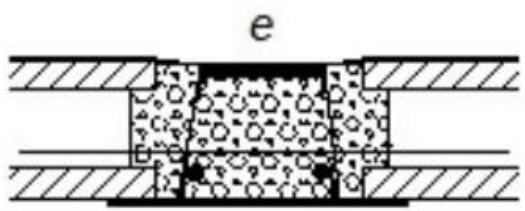
1980:STEEL-CONCRETE HYBRID BEAMS

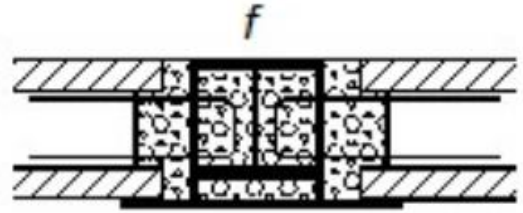


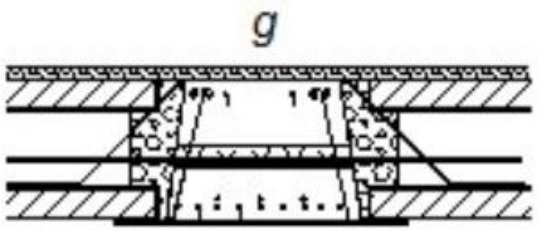


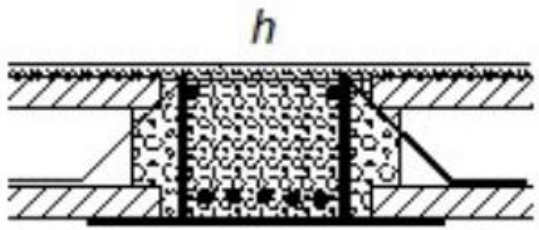

5
3
4
60
320
84
640
84
30
868
30
1
2

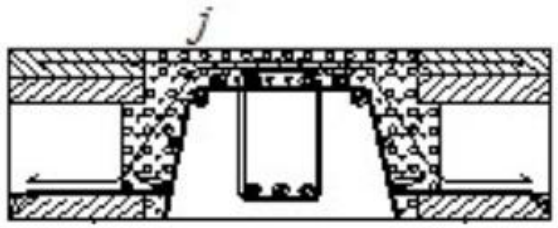

d

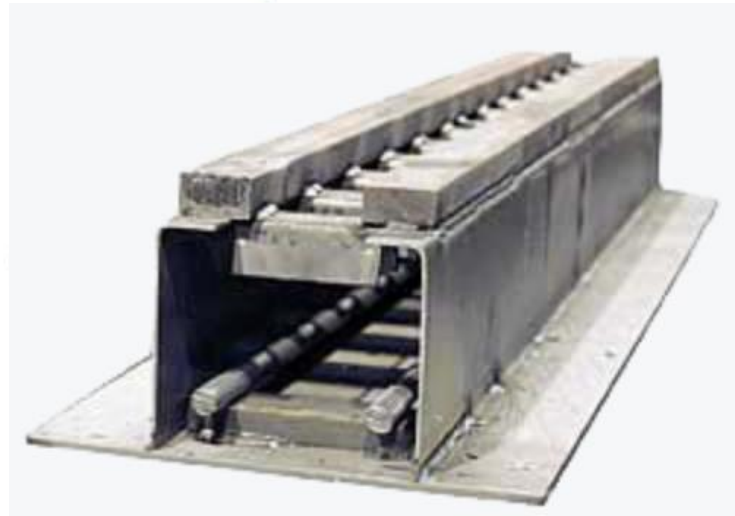

e


f


g


h


j



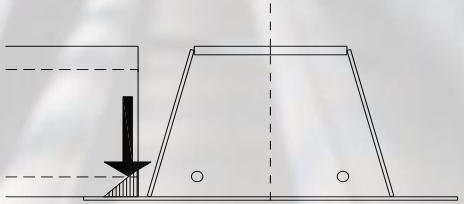
1989 DELTABEAM®

Customer Requirements favored DELTABEAM®

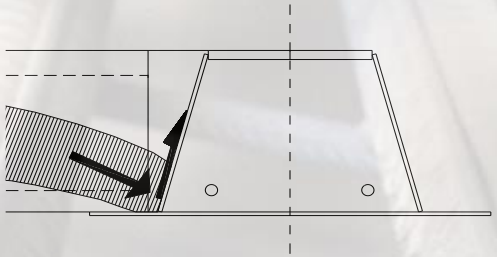
Requirements from the customers	Hybrid beams	Steel beams	DELTABEAM®
Lightweight in transport and erection	✗	✓	✓
Concreting together with hollow cores	✗	?	✓
Structural fire resistance	✗	✗	✓
8 weeks delivery time (data to delivery)	✗	✗	✓
Single span / Continuous	?	?	✓
Technical Support	?	?	✓
Design Tools for 3D environment	?	?	✓
Connection details (continuous, secondary)	?	?	✓

How does it work ?

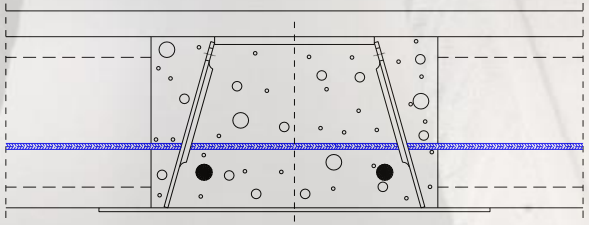
- **Erection stage**
  - **As Steel Beam**



- **Final stage**
  - **As Concrete-Steel Composite Beam**



- **Fire**
  - **As Concrete Beam**



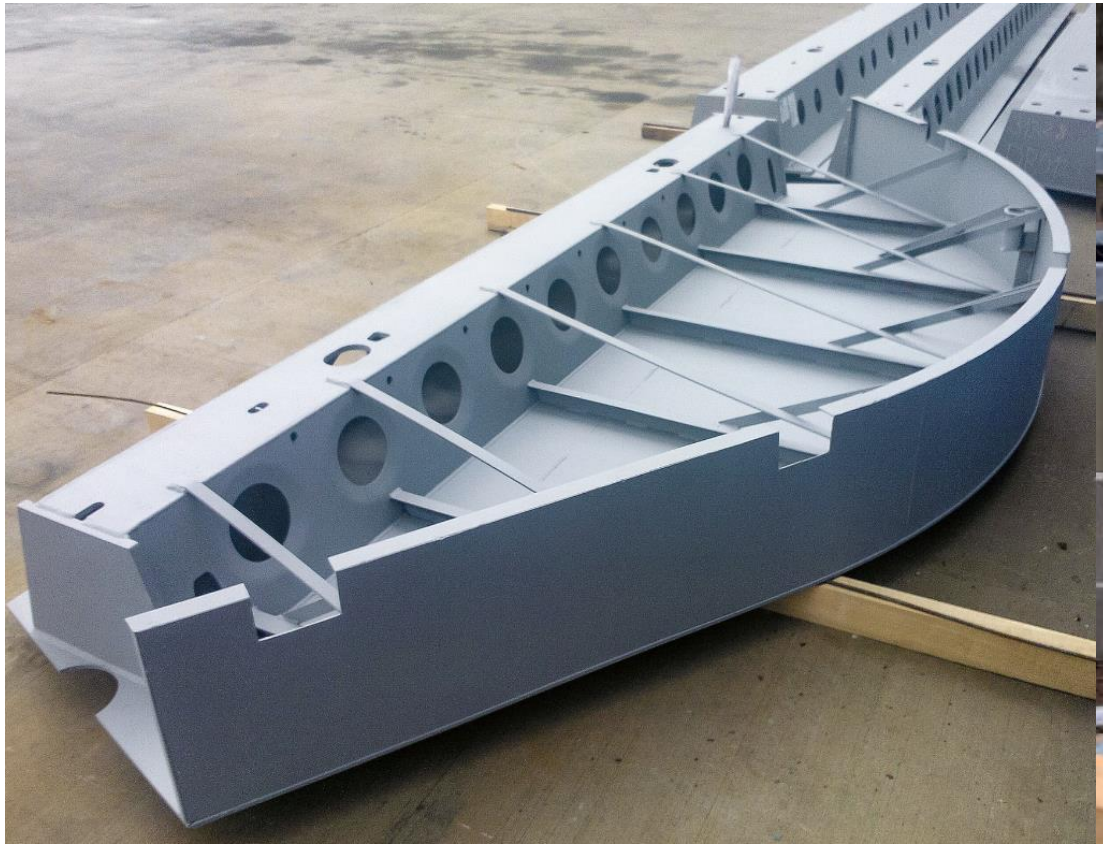
Curved architecture

Enables competing with cast-in-situ

Create demanding shapes, easily

Creating Precast slim floors as easy as cast-in-situ

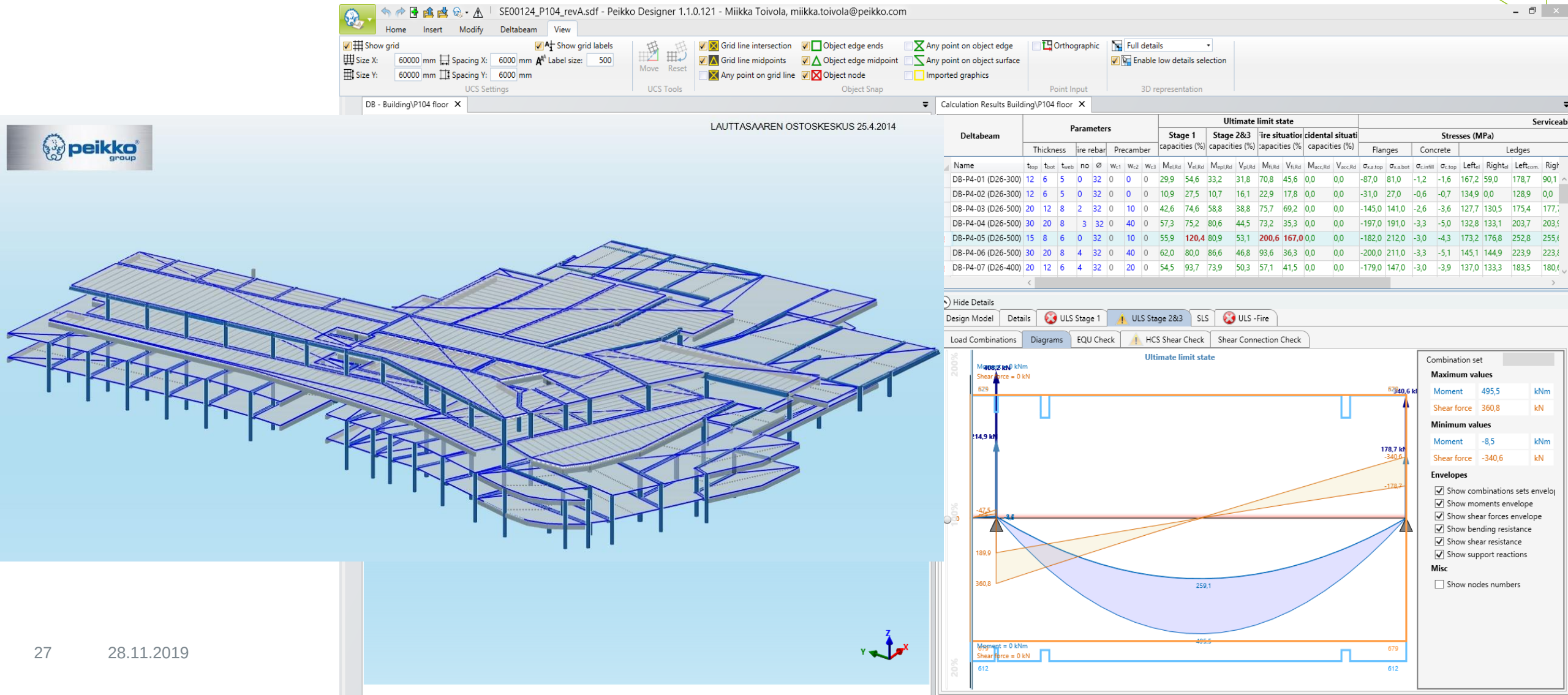
Transform cast-in-situ sectors with DELTABEAM® to PRECAST



Long Span Beams for everyone

Enables smaller precasters to offer projects which requires some pre-stressed long-span beams

DELTABEAM® is designed to fit your lay out



ONE SOLUTION – **SEVERAL ADVANTAGES**

Additional
room height

Less need for
columns

More architectural
freedom

Lower heating and cooling
costs

Space-saving
installation

Fast and safe to
erect

Savings

In time, space and money for all stakeholders

Building excellence

since 1989

Over

15 000

successful projects

Used in over

35

countries

Local service in more than

30

countries

A faster, safer, and more efficient way to design and build.

peikko®

THANK YOU