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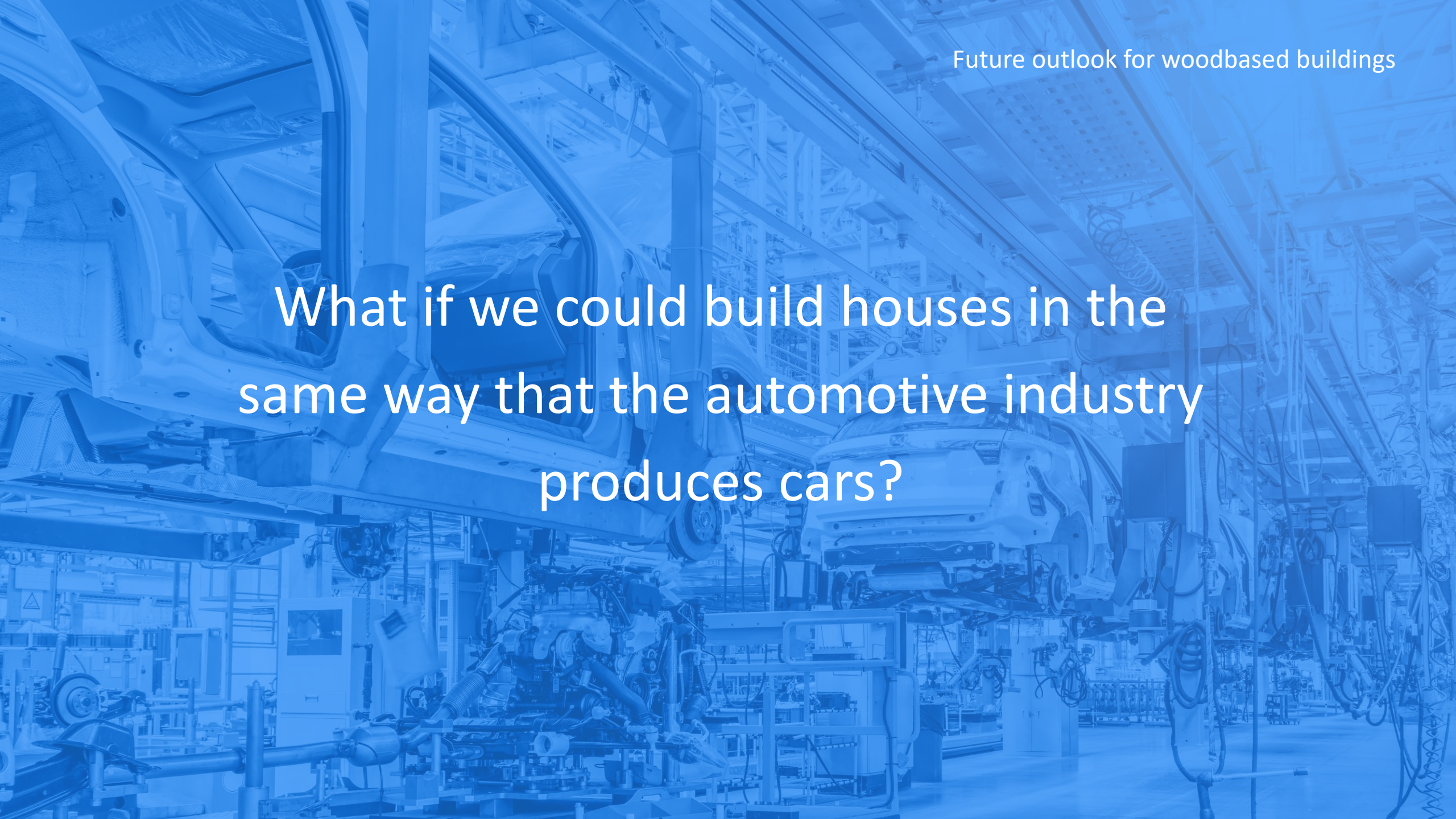
The future outlook for wood-based buildings

Stefan Lindbäck

CEO Lindbäcks Group




1924 - 2024
100 years of experience have led us to this day.



What if we could build houses in the same way that the automotive industry produces cars?



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Rationellt byggande.
Sunt boende.

Probably the worlds most sustainable construction site.



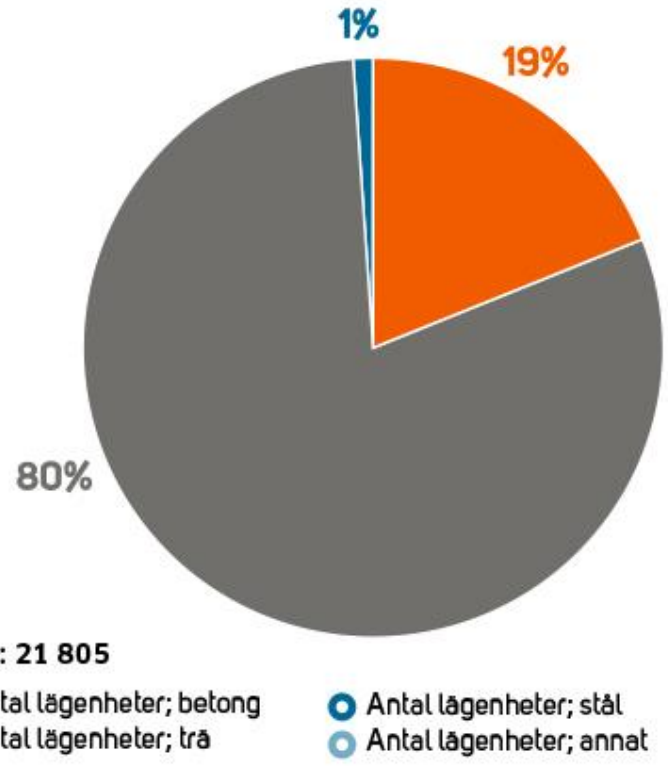
Apartment buildings in wood - order entry and share on the market



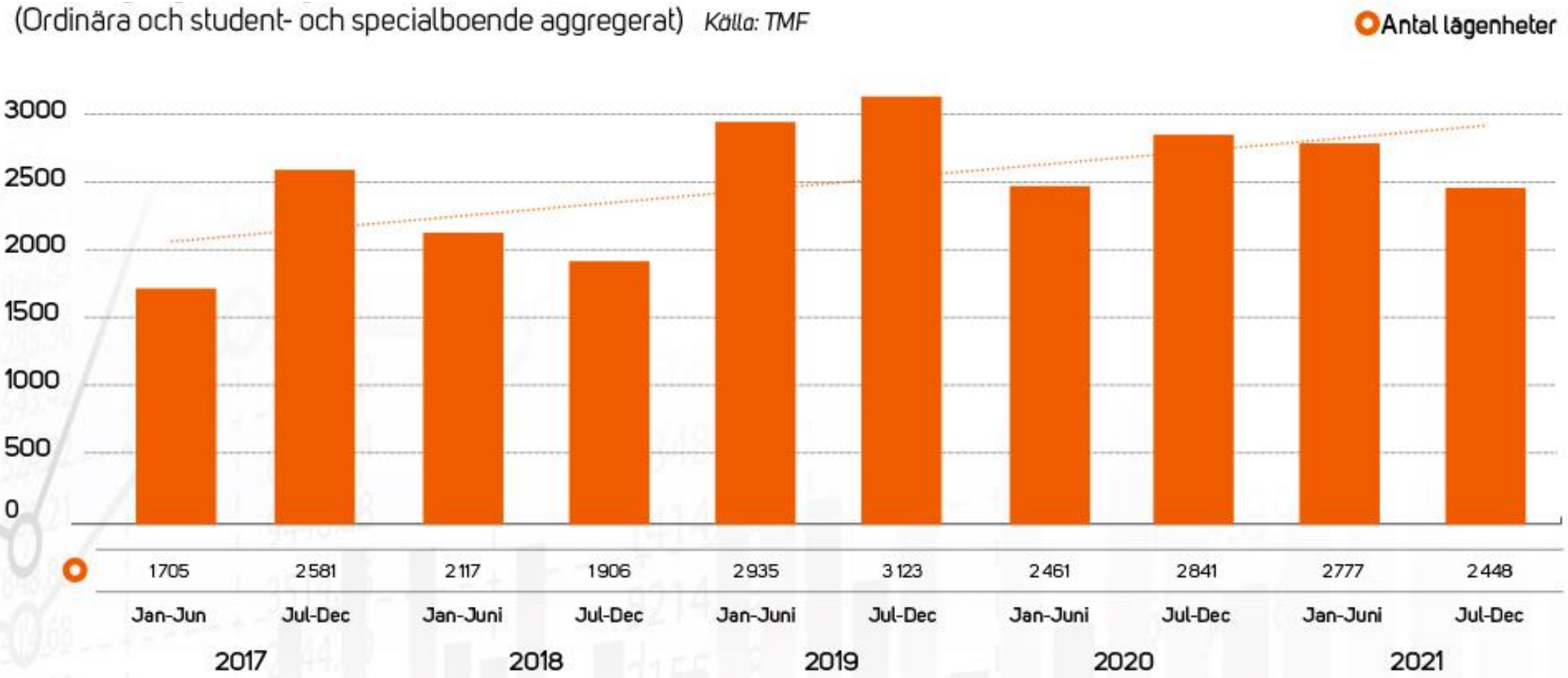
Number of wooden apartments in the total number of apartment buildings.

Källa: SCB/TMF

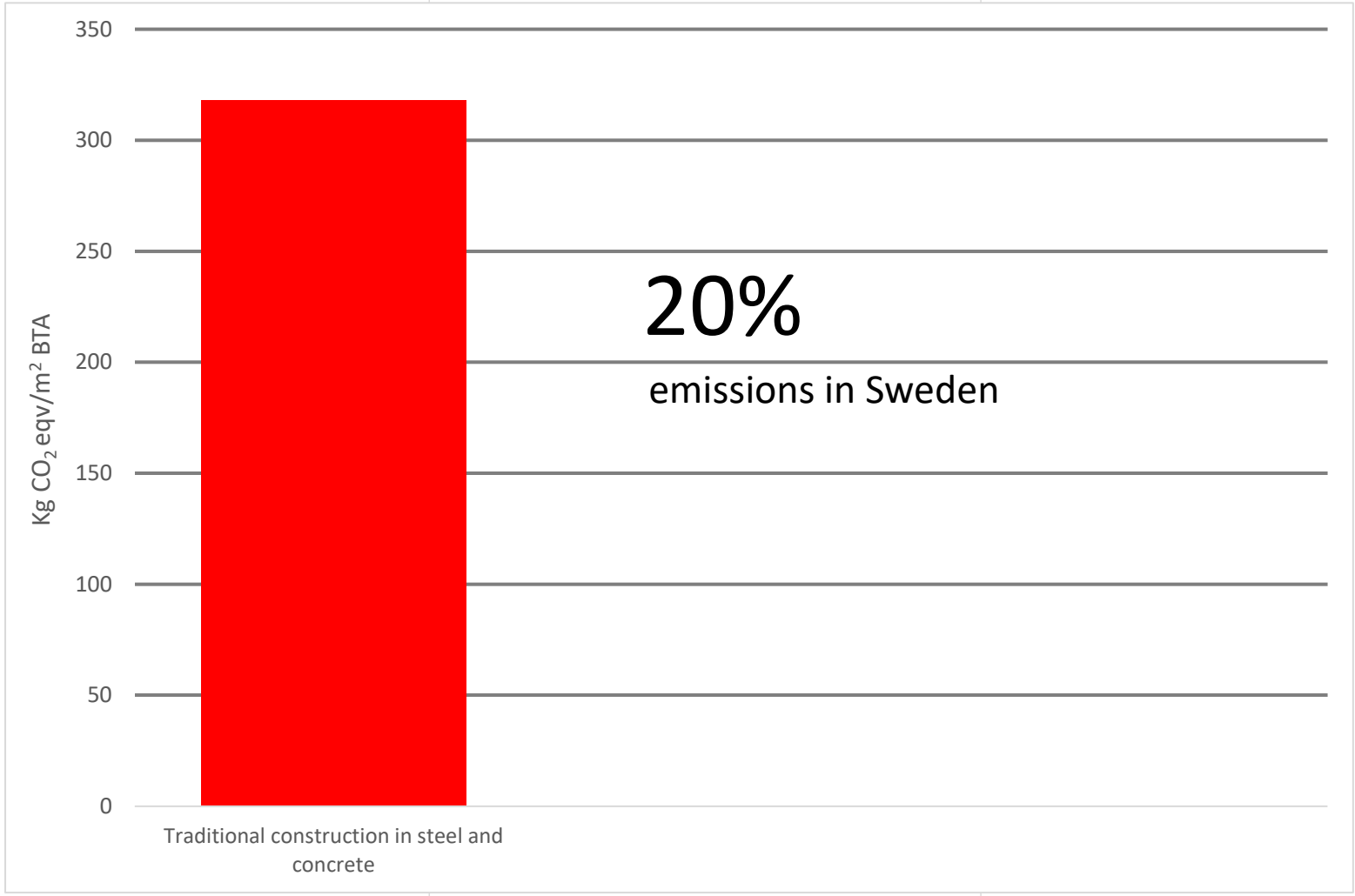
Andel lägenheter i flerbostadshus med stomme av trä, av samtliga ordinära påbörjade lägenheter och exklusive student- och speciallägenheter. Källa SCB 2020. SCB publicerar 2021 års siffror i november 2022.

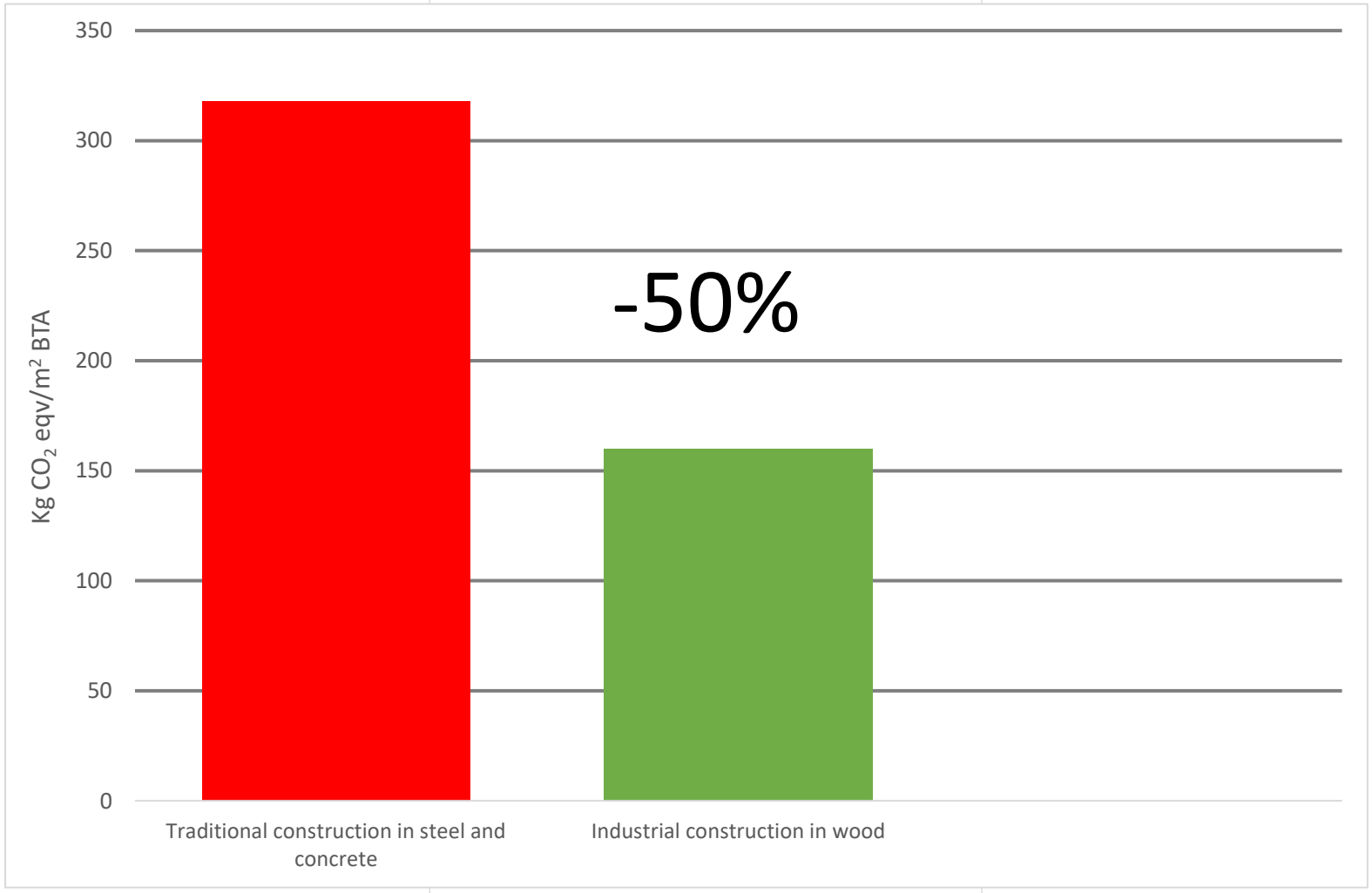


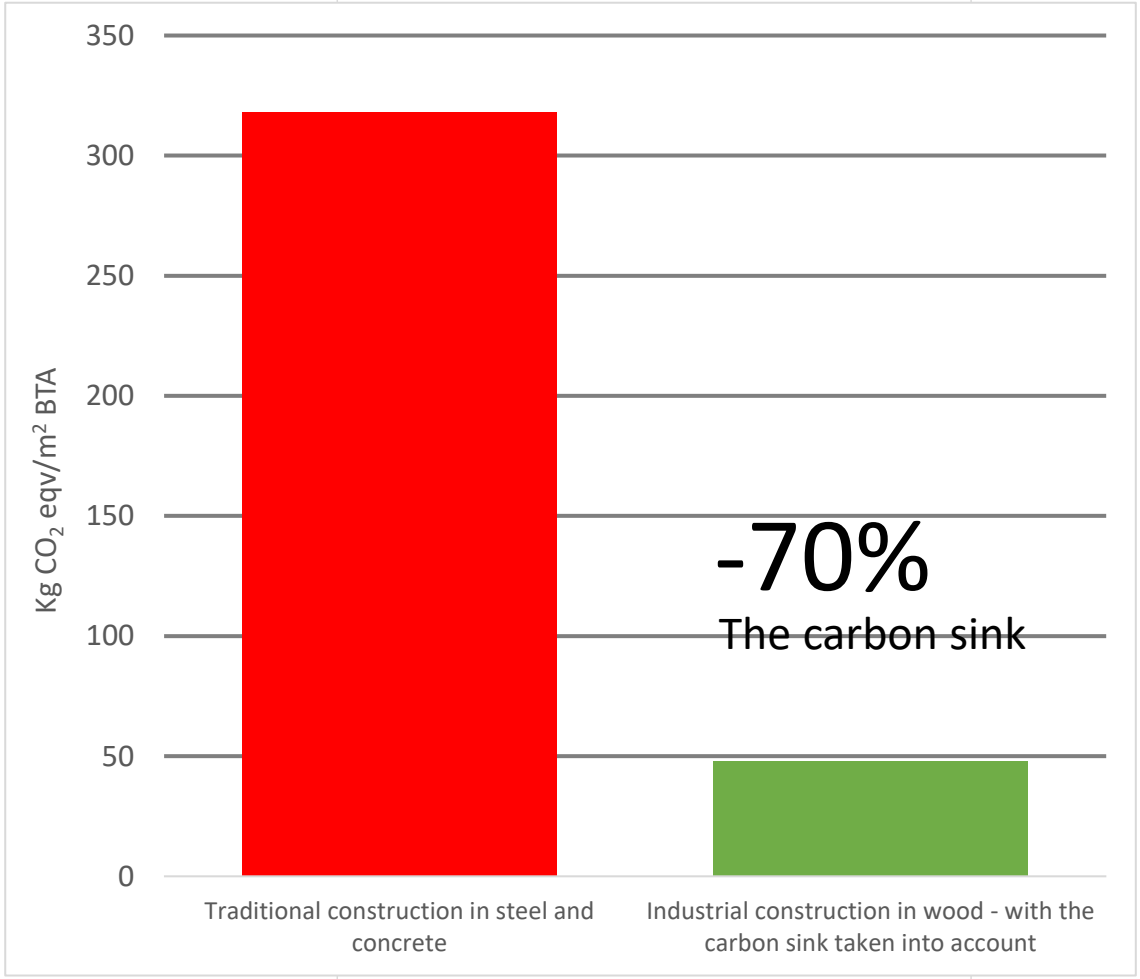
Order entry number of apartments in apartment buildings.



Industrial construction in wood – radical reduction of the carbon footprint


350
300
250
200
150
100
50
0
Kg CO_2 eqv/m^2 BTA
20%
emissions in Sweden
Traditional construction in steel and concrete


350
300
250
200
150
100
50
0
Kg CO_2 eqv/m^2 BTA
-50%
Traditional construction in steel and concrete
Industrial construction in wood


350
300
250
200
150
100
50
0
Kg CO_2 eqv/m^2 BTA
-70%
The carbon sink
Traditional construction in steel and concrete
Industrial construction in wood - with the carbon sink taken into account

Climate declaration – welcome by us who build in wood

Climate declaration



- Introduction of limit values for the climate impact of buildings is planned to enter into force 2027.
- Suggested that the revision is extended to include a larger part of the building, for example installations and ground/ground reinforcement.
- Suggested to include the complete lifecycle of a building.
- Suggested to apply the limit value to the construction phase only.
- There is a will to speed up the process.
- Limit values already in use by some municipalities, for example Lokal färdplan Malmö (LFM30) and the Procurement authority provides recommendations.

Climate declaration

Wish-list!



Absolute limit values!

Include the carbon sink as a part of the calculation! At least as information.

Use as many as possible of specific EPD:s and avoid generic values. Use actual numbers for emissions, waste-and transports!

Cellulose – the world's most common naturally occurring polymeric material. A future investment in climate.

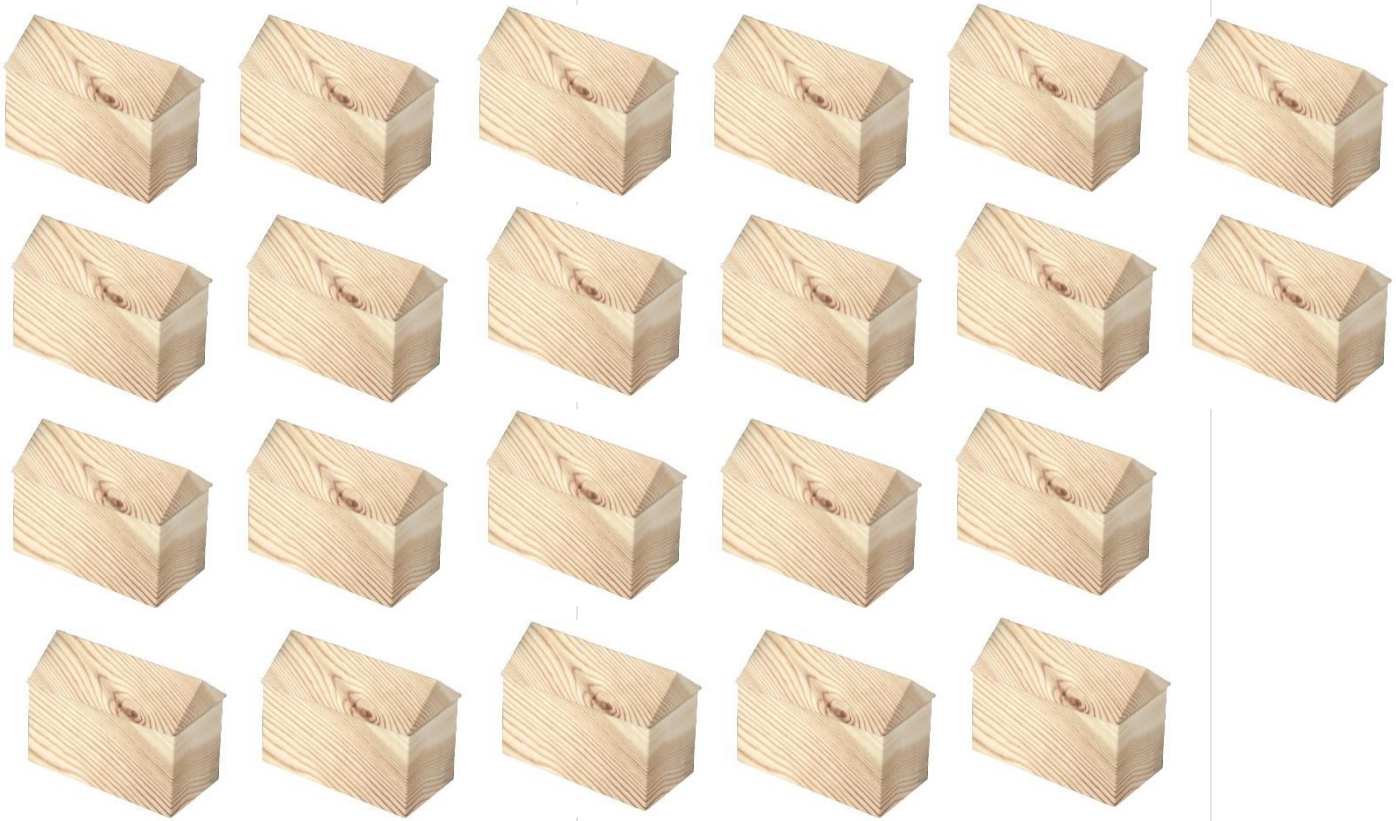
Cellulose as insulation



- Changing to cellulose as insulation - our next step in reducing the carbon footprint.
- Insulation stands for approximately 20 – 25 % of the carbon footprint from the buildings we produce
- Majority stone- and glasswool insulation
- Replacing the stone and glasswool isolation used at Haraholmen with cellulose would reduce the carbon footprint by 685 tonnes CO_2ekv annually.
- The carbon sink would increase by a further approximately 1900 tons CO_2ekv annually.
- Improves the working environment



With current solution, stone wool.



If we choose to insulate with cellulosa instead of stone wool would the climate impact be the same for 22* houses as for one.

*According to calculations conducted by Vesitalo based on Finnish co2data.fi-database

Finally – this is what we do all day.

Building houses and societys for a sustainable future.

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Rationellt byggande.
Sunt boende.



Kvarteret Tallen, Piteå

Lindbäcks Fastigheter, 2018

Hyresrätter 110 st

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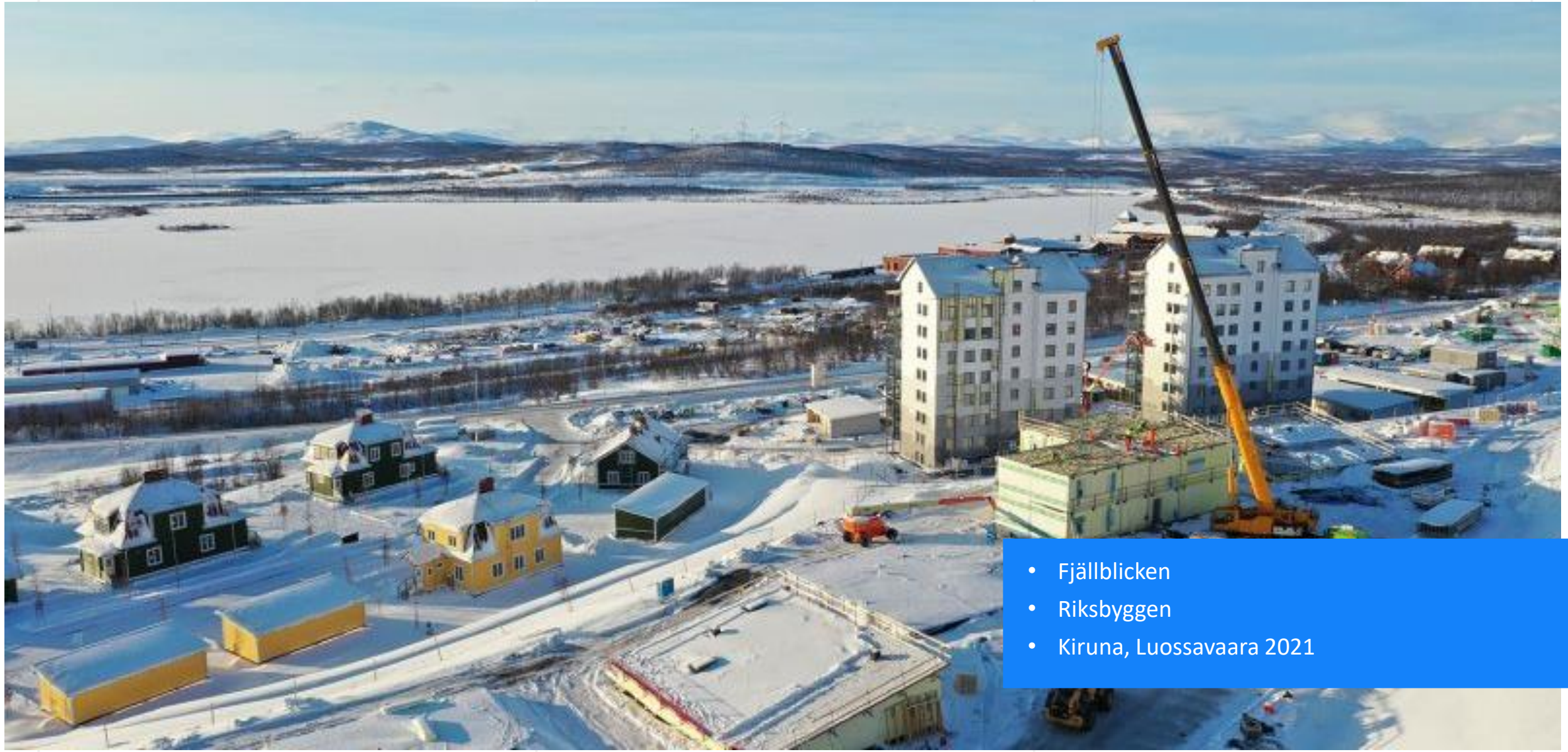
Rationellt byggande.
Sunt boende.



Loussavaara

LKAB, 2019-2020

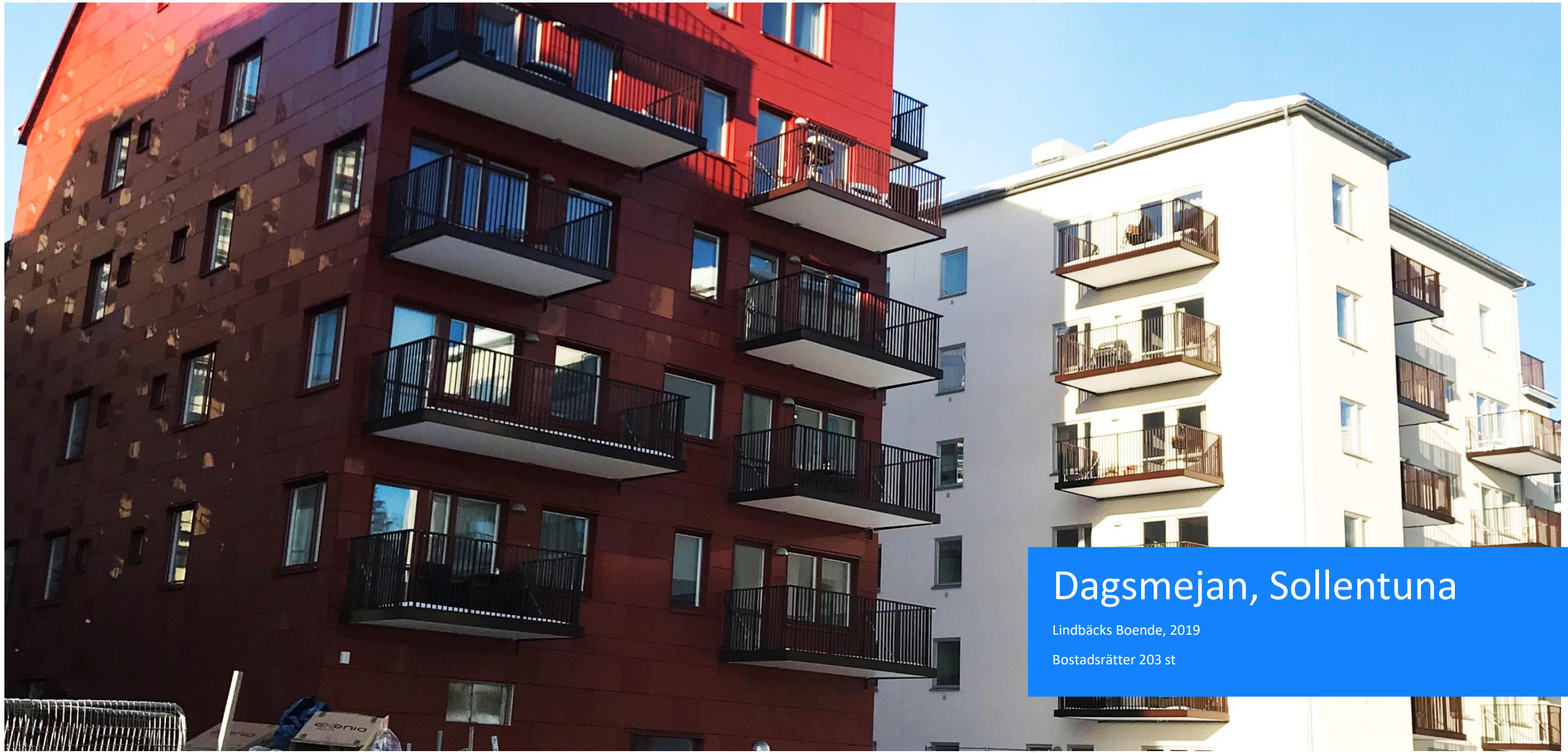
Hyresrätter 44 st



- Fjällblicken
- Riksbyggen
- Kiruna, Luossavaara 2021

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Rationellt byggande.
Sunt boende.



Dagsmejan, Sollentuna

Lindbäcks Boende, 2019

Bostadsrätter 203 st

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Rationellt byggande.
Sunt boende.





Skogsstjärnan, Vega

rLindbäcks boende, 2019-2020

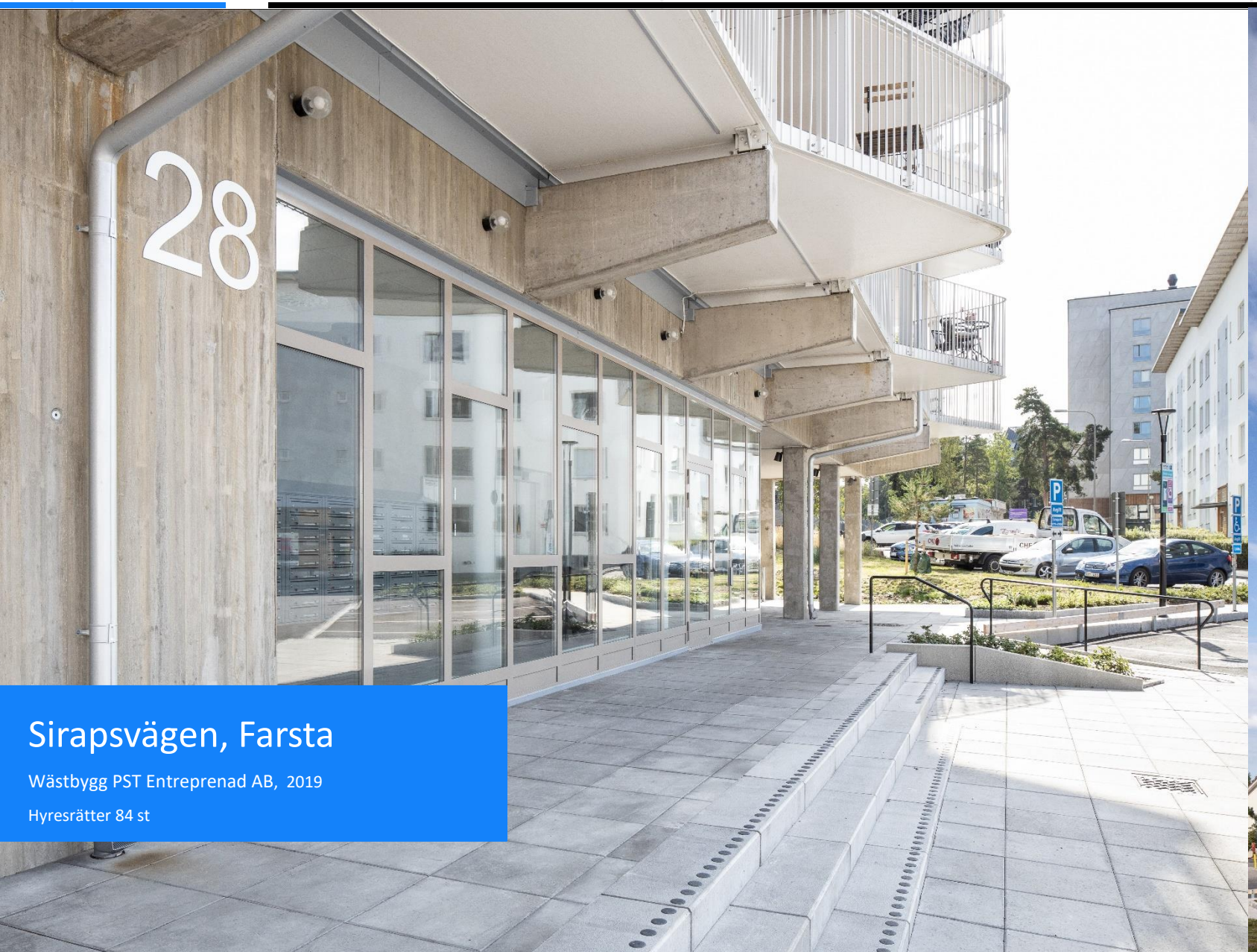
Bostadsrätter 117 st



- Nybackakvarteret
- Aros Bostad, Nacka 2020

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Rationellt byggande.
Sunt boende.





Sirapsvägen, Farsta

Wästbygg PST Entreprenad AB, 2019

Hyresrätter 84 st


• Titteridamm
• Framtidens bostadsutveckling
• Angered, Göteborg 2021

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Rationellt byggande.
Sunt boende.



Plejadgatan, Göteborg

SGS studentbostäder, 2017

Hyresrätter 150 st

Thanks!

You are all welcome to visit our factory or any of our construction site.

Stefan Lindbäck