The construction sector aiming at zero CO2

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Big impact. Big responsibility.

NCC is one of the leading construction and property development companies in the Nordic region.
The Group had sales of SEK 57 billion in 2017, with approximately 16,300 employees.
Construction and the build environment is a critical global CO2 source

The full energy picture

Construction

Operations of buildings

40% of world's energy *

*Huang, Elsevier 2018, Renewable and Sustainable Energy Reviews
What can we do to reduce the sectors CO2 emission?

Attack the full energy picture!

1. Energy required for the on-site operations

Construction:
2. Energy required for materials, products and services

Operations:
3. Energy required for heating, cooling, maintenance and demolition
Embedded energy

1. Energy required for the **on-site** operations
2. Energy required for **materials, products and services**
3. Energy required for heating, cooling, maintenance and demolition

*Huang, Elsevier 2018, Renewable and Sustainable Energy Reviews

Embedded energy

- Energy efficient construction and design
- Low impact materials
The next big leap towards reduction

- Energy efficient construction and design
- Low impact materials

• Realize the problem!
• Measurements needed!
• Regulations needed!
• Prize on CO2 eventually needed!

Embedded energy – a new paradigm in the sector

Co-creation on the Nordic market:
- knowledge sharing
- regulations (targets and measurements)

New EU leadership:
- regulations (targets and measurements)
Added value of EU harmonisation of LCA. Integrated Nordic market for sustainable construction – input to policy-makers. Wishes for EU Commission?

MTM keynote presentation, 15 min
Josefina Lindblom, 15 min
Esa Kallio, 15 min

Malmö
3.oktober 08:30

På scenen kl. 09:15 – 10:00