

The Oslo case – from pilot to mainstream

Zero emission construction sites

2nd Toward Zero-Emission Off-Road Equipment Symposium,
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City of Oslo



Photo: City of Oslo

Public procurement as a tool



City of Oslo – one of Norway's biggest buyers

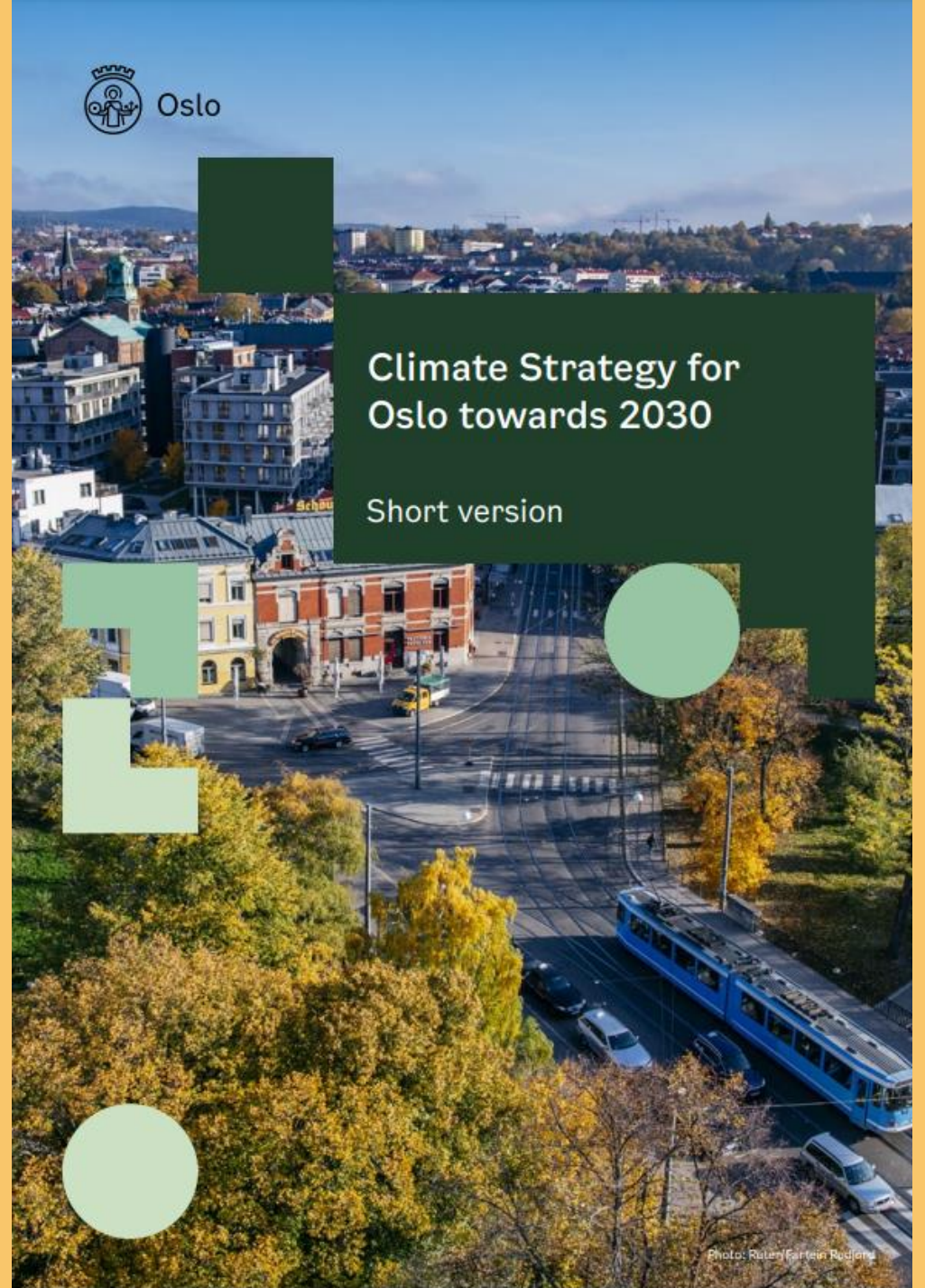
- ▶ 1-2 bln Euro annual investment budget
- ▶ Building and construction:
 - Schools
 - Kindergardens
 - Care homes
 - Roads, bike lanes
 - Metro
 - Water and sewage



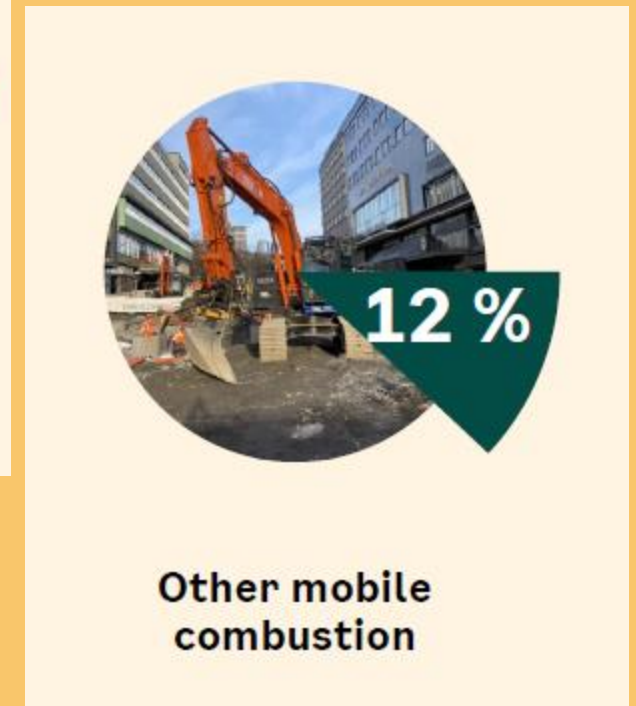
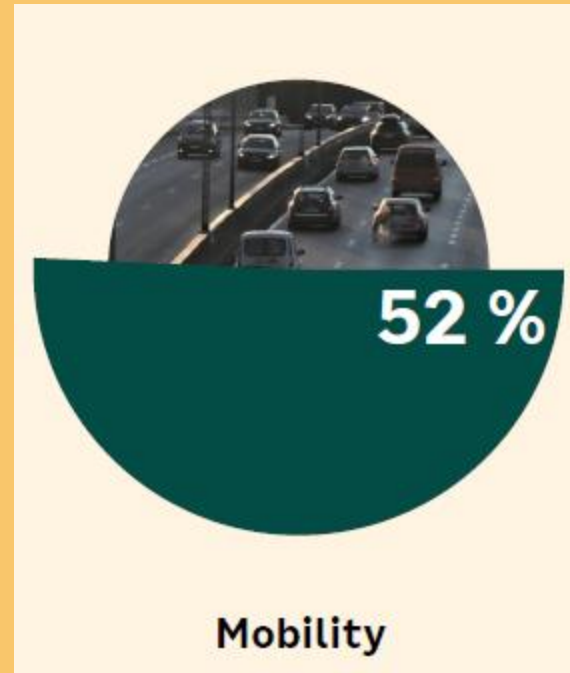
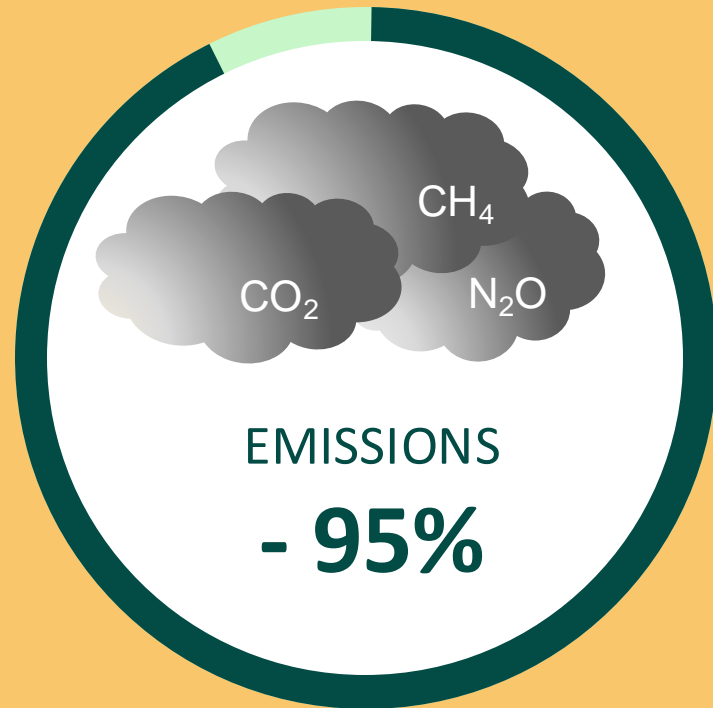
City of Oslo uses procurements to reach sustainability goals

- ▶ Procurement strategy
- ▶ Climate strategy
- ▶ Climate budget

Also: Circular economy, Social responsibility, Ethical Trade



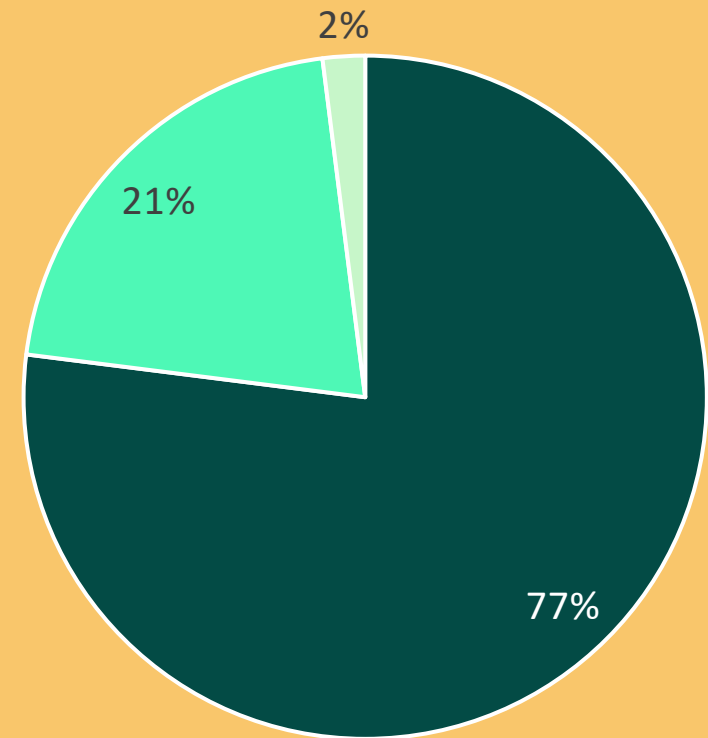
Why building and construction sites?



Standard requirements



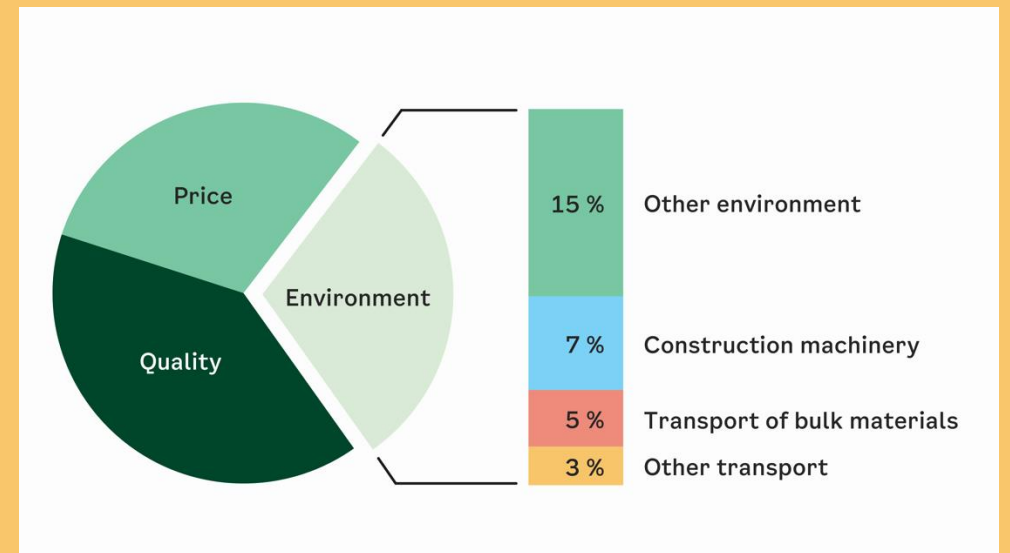
Our journey together with the market



■ Emission free ■ Sustainable Biofuels ■ Fossil fuels

Standard requirements in all municipal procurement of building and construction works from 2019 onward

- ▶ Contract clauses, minimum requirements and award criteria
- ▶ Machinery and transport (last mile)
- ▶ Fossil free is the minimum
- ▶ Emission free through award criteria
- ▶ **From 2025 emission free will be minimum**



Standard requirements – the benefits

- ▶ Standard requirements streamline and reduce risk
- ▶ Create predictability for investment
- ▶ Saves time for both buyers and suppliers
- ▶ Competence building easier with standard methods
- ▶ Municipal agencies working together



Market dialogue is key

- ▶ Emission free machines in 2025 – how do we get there?
- ▶ Energy supply, costs, support schemes, market availability



Photo: City of Oslo

Accelerating transformation





2016

Oslo requesting
fossil-free
construction sites

2017

Municipal
construction
projects fossil-free

2018

Establishing C40 Clean
Construction Forum &
EU Big Buyers Initiative

2019

Common tender
criteria & first pilot
project

2022

More than 60
projects with electric
construction
equipment!

2025

Municipal projects
emission-free

Proposed new urban planning regulation for Oslo

- ▶ At least 50 % of energy use in all private and public construction projects should be zero emission
- ▶ From 2030, all construction work should be zero emission



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Understanding the impacts

- ▶ Zero emission equipment supply
- ▶ Construction industry capacity
- ▶ Energy supply solutions
- ▶ Electricity grid impacts
- ▶ Cost

Impact assessment of zero emission building processes in Oslo



Enabling policy framework

- ▶ Quantified emissions reduction targets for construction for 2030 and 2040
- ▶ R&D missions
- ▶ Economic incentives
- ▶ Emissions regulations





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Thank you!

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