

Current situation: Sustainability

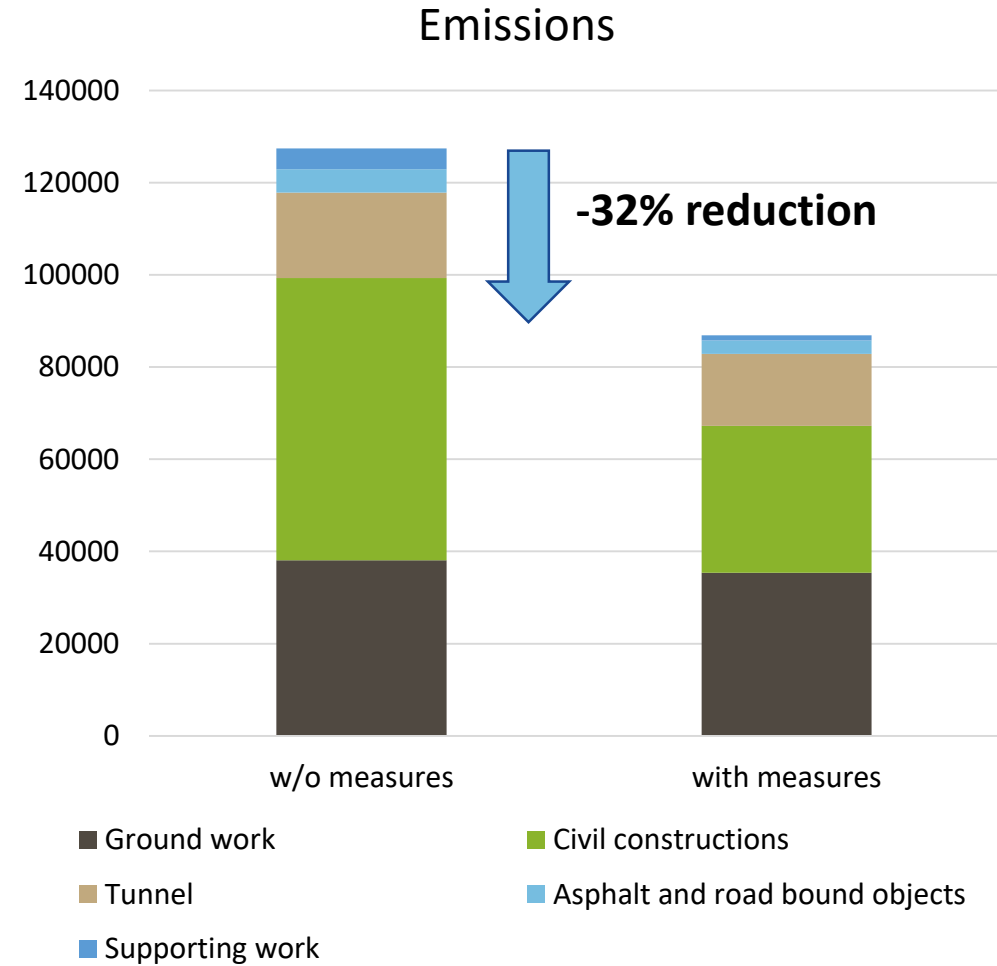
Q1 2020

CO₂ emissions

Emissions from start of work till Q4 2019

Goal: Reducing the emissions of the realisation phase with **23%***

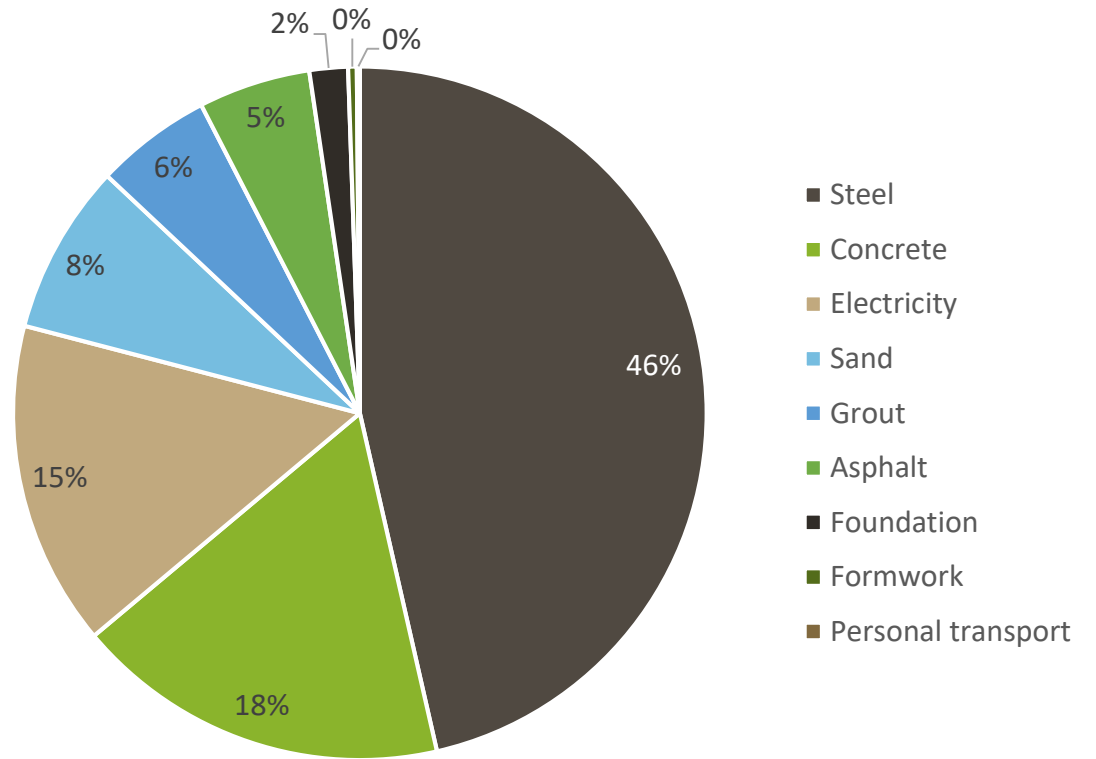
*true emissions compared to the planning without reduction measures.



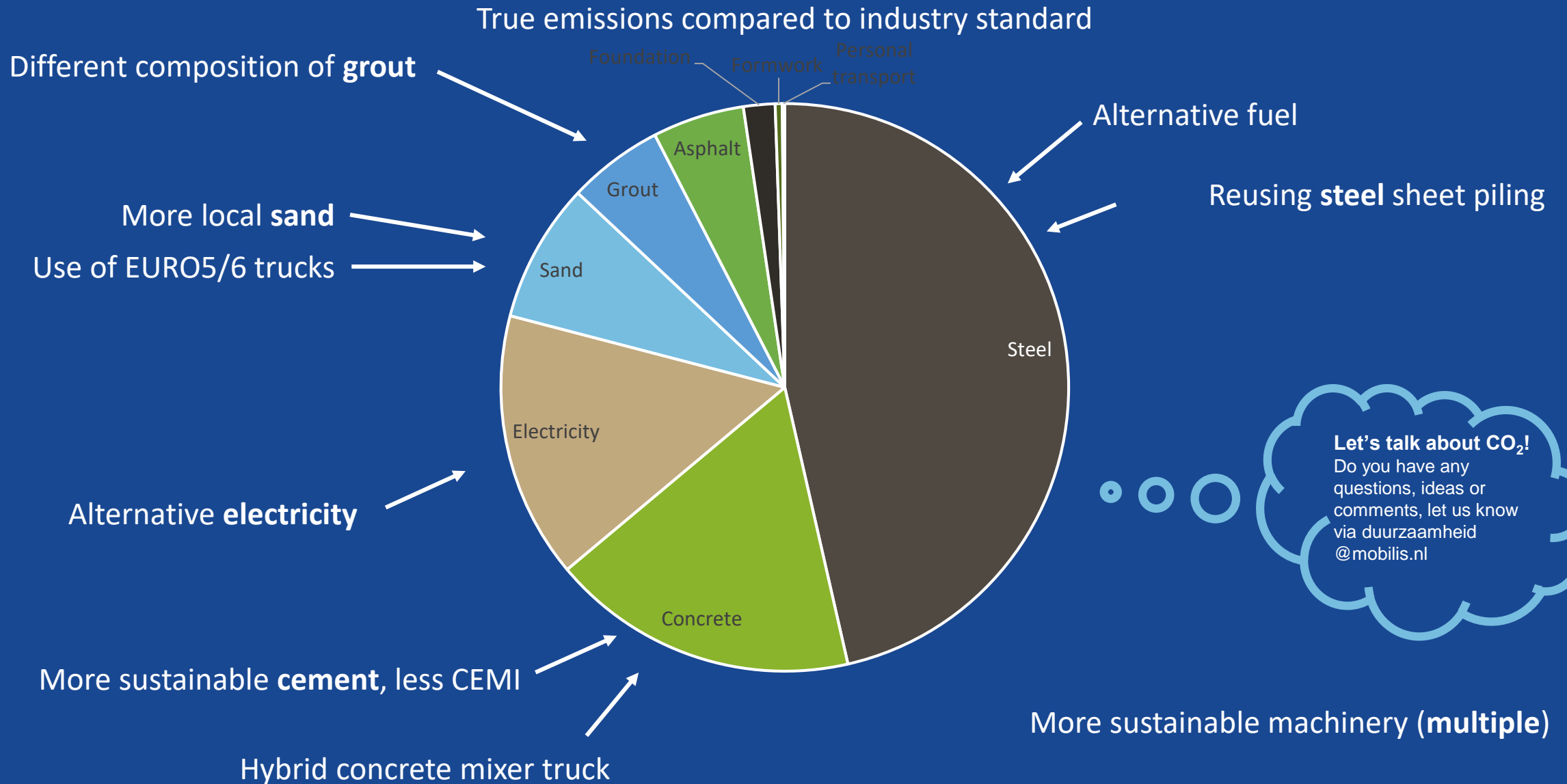
CO₂ reduction

True emissions compared to industry standard

Reduction (total 40.524 tonnes CO₂)



A few CO₂ reduction measures



CO₂ goal scope 3: usage



CO₂-PRESTATIELADDER®

To reduce our CO₂ footprint, we have set the following goal:

Reducing the emissions of the exploitation phase with **50%***

*planned emissions including measures compared to the original planning without reduction measures.

SOLAR OPTIC FIBRE

Around 50% of the electricity use of a tunnel, comes from the entrance lighting.

Using Solar Optic Fibre, almost **25%** less electricity is needed for the entire tunnel!

De RijnlandRoute is the first project in which this technique is used for a tunnel.

The electricity that is still required for the tunnel will be Dutch wind energy, which makes it free of CO₂ emissions.

Let's talk about CO₂!

Do you have any questions, ideas or comments, let us know via duurzaamheid@mobilis.nl





CO₂ Performance Ladder

- Audit results November 2019:
- Improved compared to previous years:
 - More insight, cumulative amounts, more awareness when gathering data
- To improve:
 - Changing positions: make sustainability part of the job
 - Communication, both external and internal
 - Toolbox
 - Dialogs (NGO and GO)
 - Update list of measures (together) more often (otherwise we 'forget' measures, such as the tubes in the fly-over)
 - How do we know we buy according to our LCAs
 - Check green energy
 - Internal check



Materials passport

- A basis for a circular economy
 - Mapping the necessary information of materials
 - Which materials are there and how could you re-use them
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- Possible pilot of the materials passport for a small part of the project
 - Collaboration with the Province of South Holland
 - Learning about the needs and possibilities of a project

