



# Current situation: Sustainability

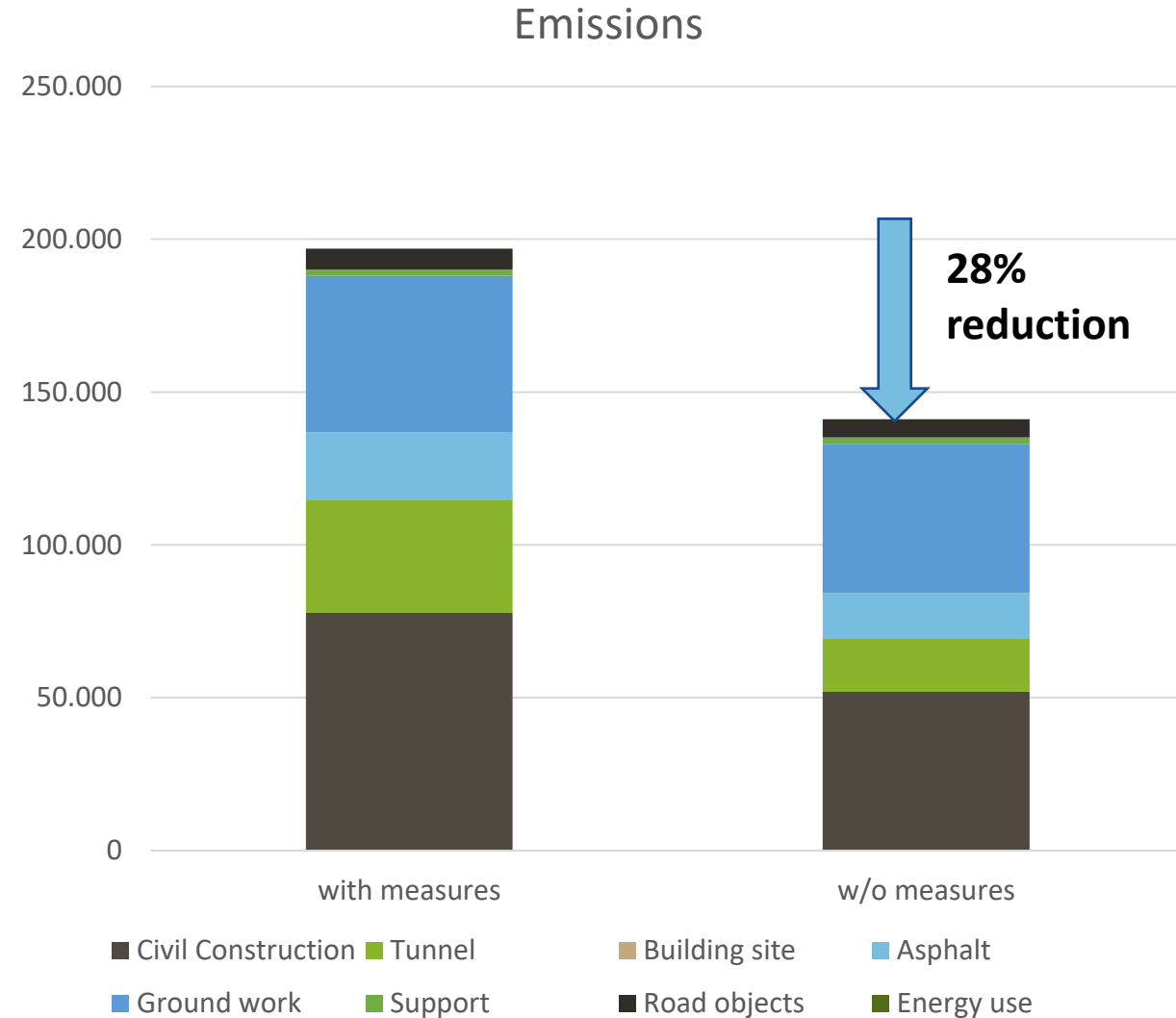
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Q3 2021

# Projected CO<sub>2</sub> emissions

Emissions from start of work till Q3 2021

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



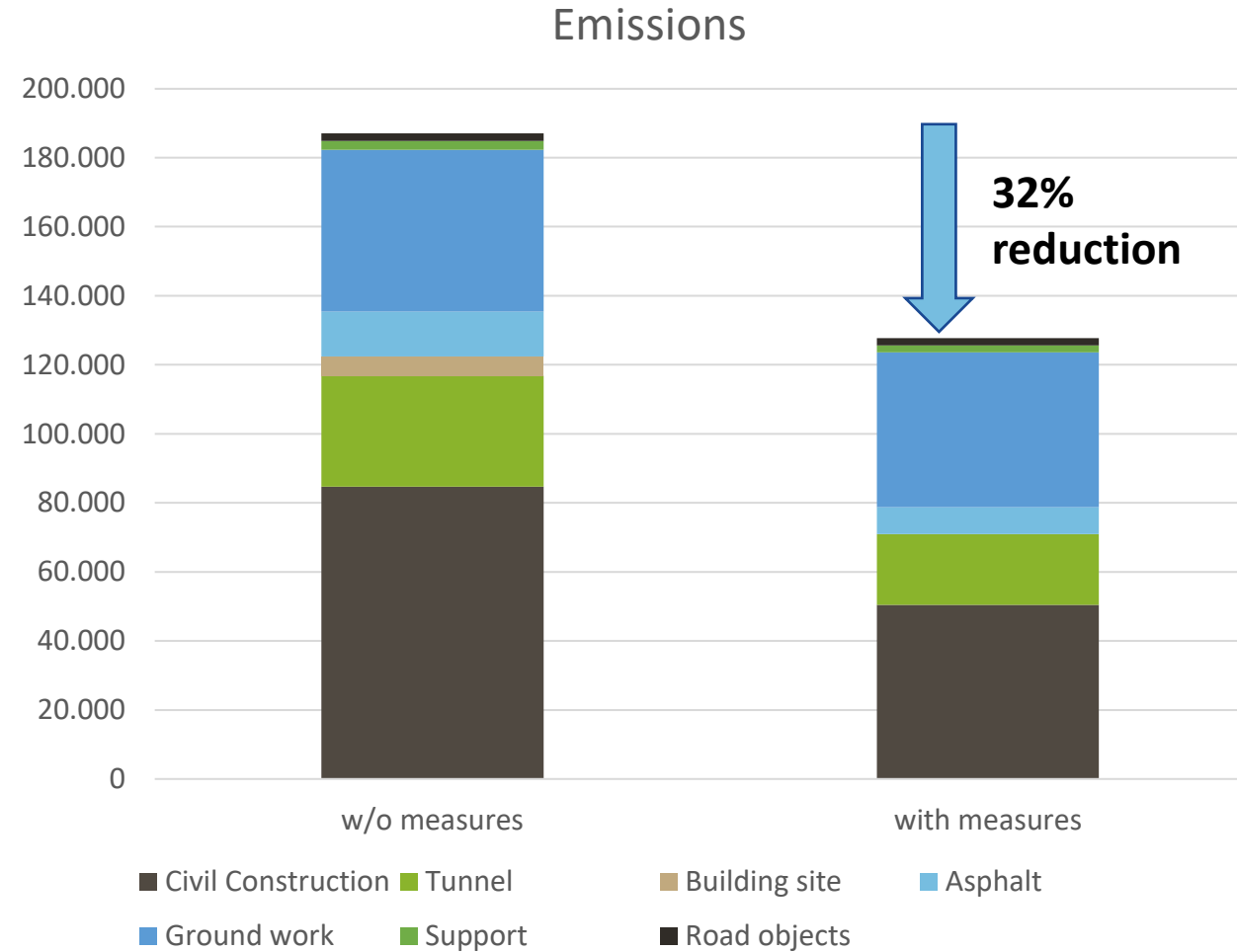


# True CO<sub>2</sub> emissions

Emissions from start of work till Q3 2021

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

\*true emissions compared to the planning without reduction measures.



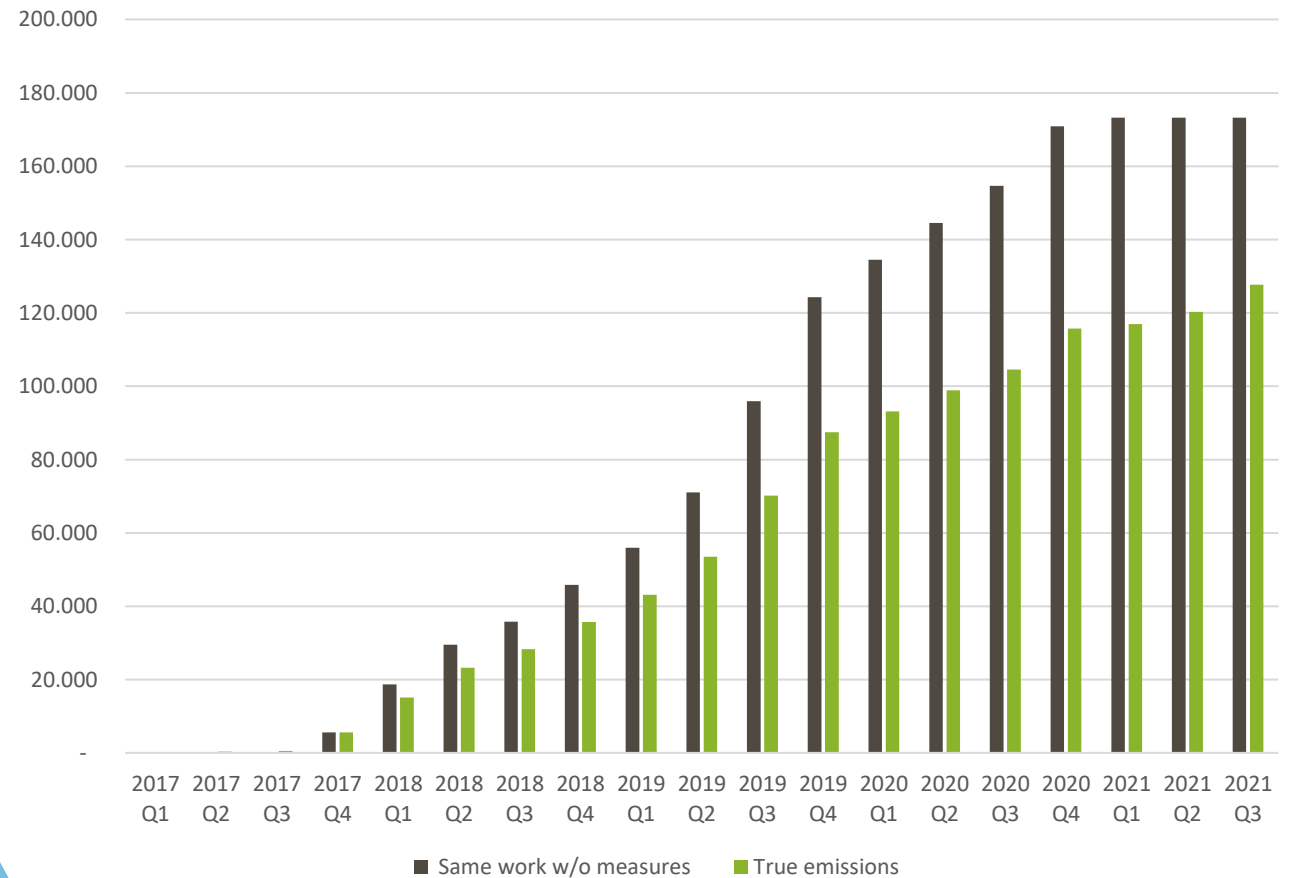
# CO<sub>2</sub> emissions over time

Emissions from start of work till Q3 2021

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

\*true emissions compared to the planning without reduction measures.

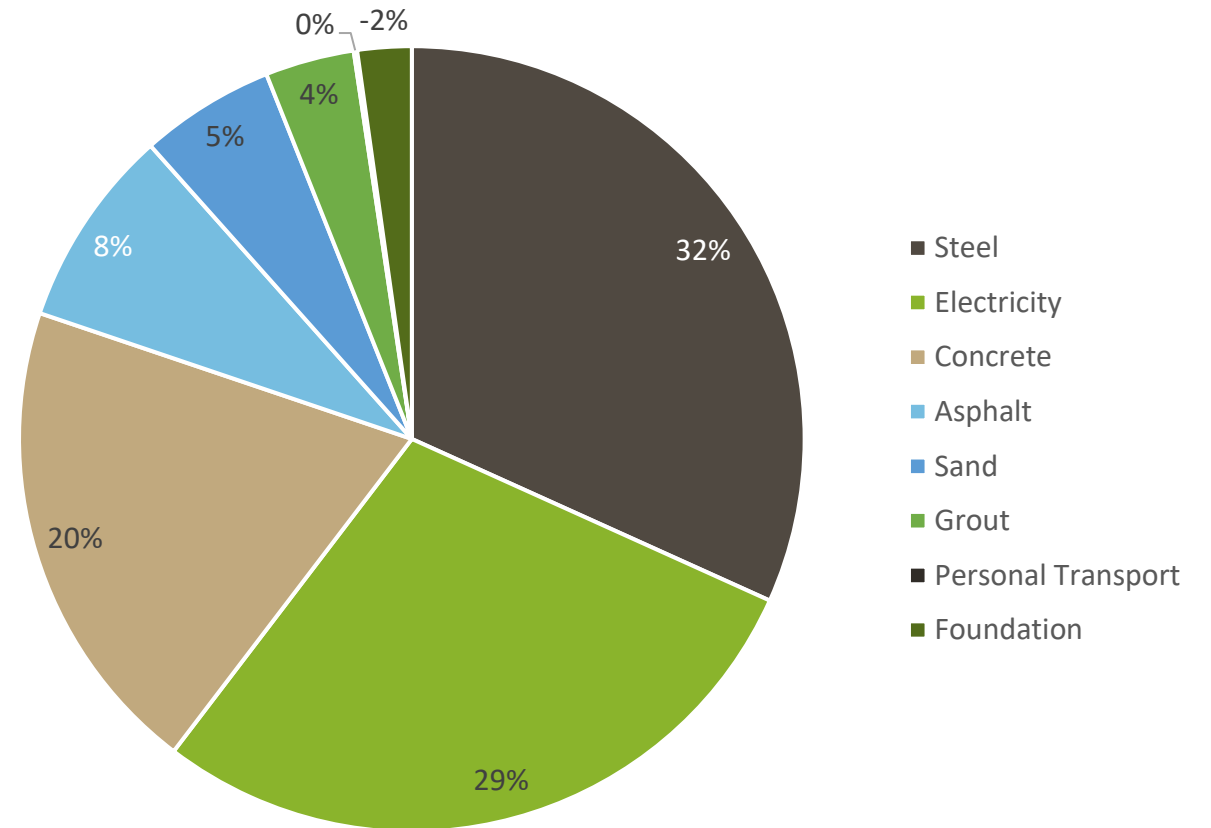
Emissions over time



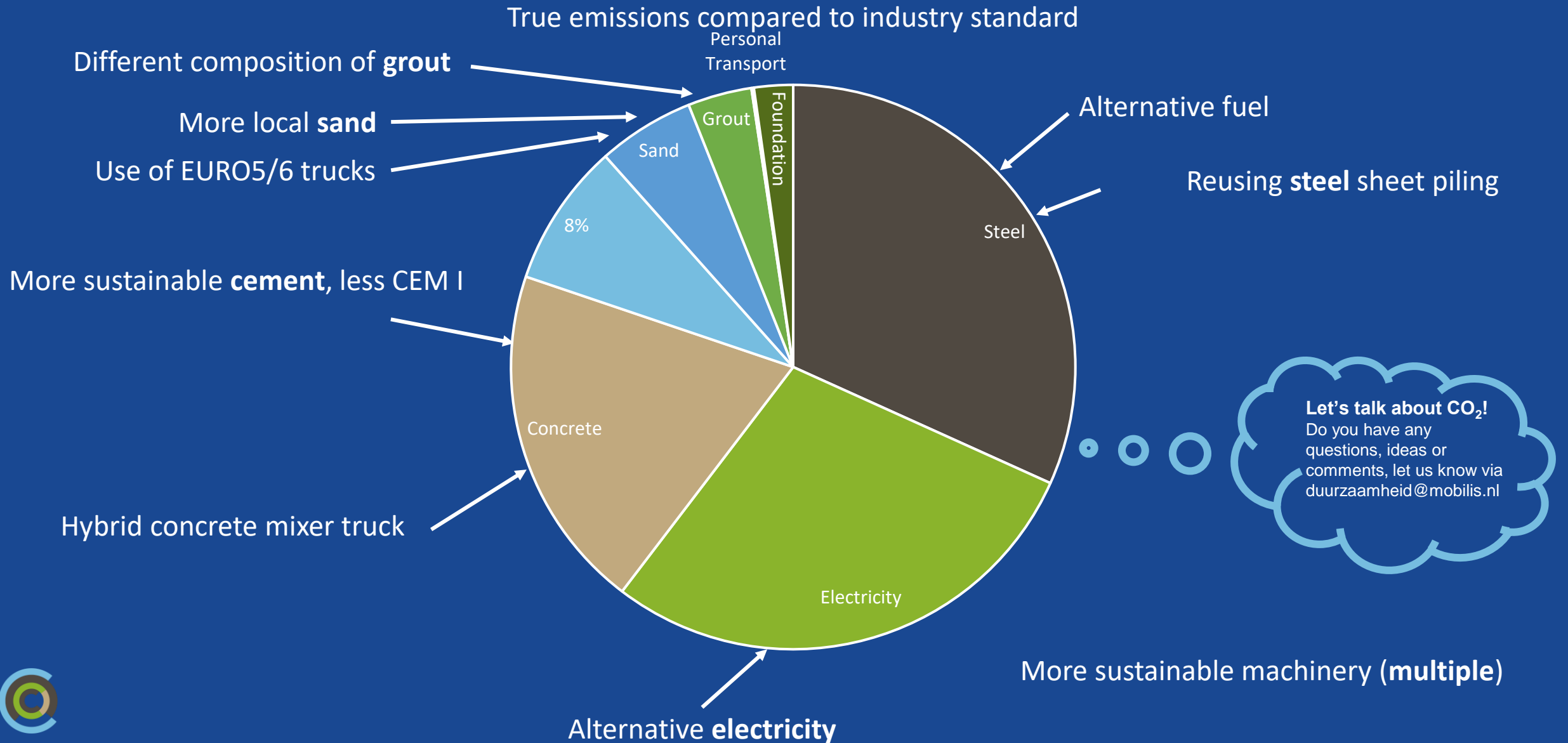
# CO<sub>2</sub> reduction

True emissions compared to industry standard

Reduction (total 59,285 tonnes CO<sub>2</sub>)



# A few CO<sub>2</sub> reduction measures



# CO<sub>2</sub> goal scope 3: usage



CO<sub>2</sub>-PRESTATIELADDER®

To reduce our CO<sub>2</sub> footprint, we have set the following goal:

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

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

## SOLAR OPTIC FIBRE

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

Using Solar Optic Fibre, we can reduce the electricity requirement by almost **25%** for the entire tunnel!

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

The electricity that is still required for the tunnel will be generated by a nearby solar park, assembled for this purpose.

**Let's talk about CO<sub>2</sub>!**

Do you have any questions, ideas or comments, let us know via [duurzaamheid@mobilis.nl](mailto:duurzaamheid@mobilis.nl)





# Nature-inclusive building

- Planting trees and plants which can withstand longer periods of drought
- Ecoduct for small mammals and amphibians
- Passage for fauna such as ermines, mice, squirrels, and toads
- Aqueduct for aquatic animals and bats
- Plant covered barriers
- Compensation for cut-down trees





# A few more CO<sub>2</sub> reduction measures

- Buy sustainable electricity
- Pilot with innovative moss screen
- Future-proofing the tunnel
- Preparations to connect the tunnel tubes to 5G networks
- Extra (car) charging point for the service buildings
- Extra casing pipes for future connections will be installed