

Energy Management Programme 2023

Strukton Groep

Building a future-proof tomorrow together

We wish to contribute to the safety, quality and sustainability of infrastructure. Rail networks, roads and energy.

The effects of climate change and loss of bio diversity on our society are getting more and more visible. We are part of society, and therefore part of the solution.

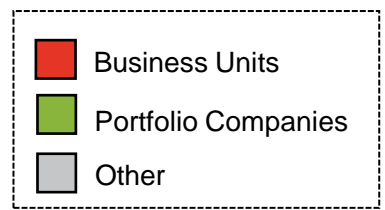
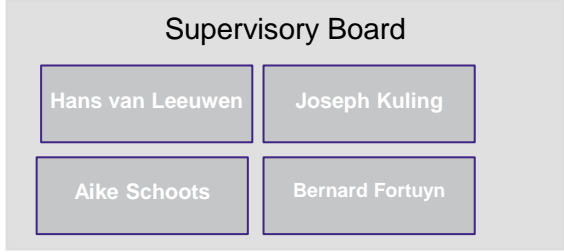
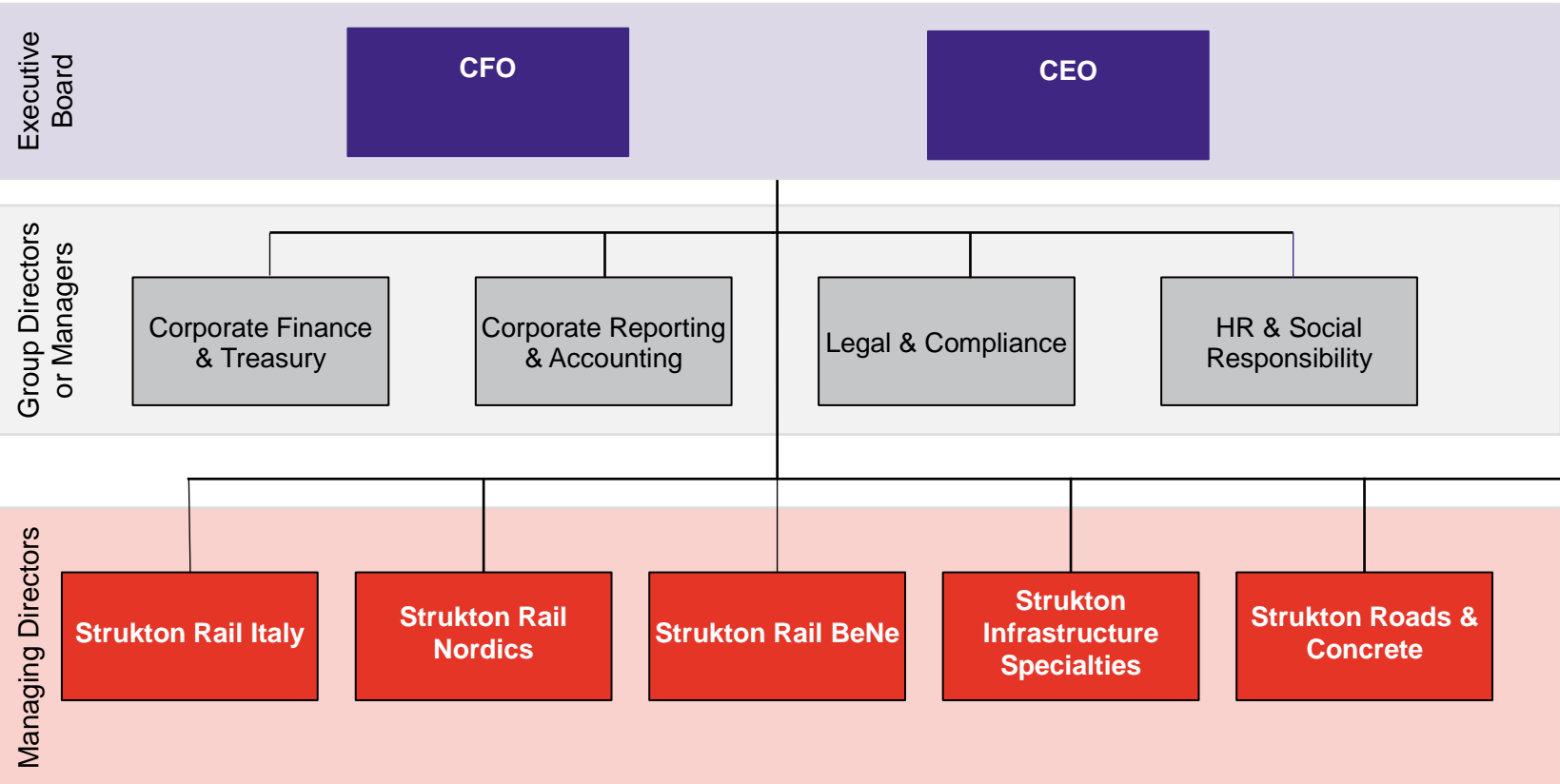
It is our mission to develop, construct and maintain sustainable infrastructure in a sustainable way. This means that we facilitate the energy transition and make our own energy supply more sustainable. Our purchasing practices are increasingly sustainable, we opt for reuse where possible and reduce the ecological impact of our activities.

Energy management programme

The energy management programme (EMP) is the basis for CO2 reduction in our operations and projects. We take measures based on insight in our energy consumption and our carbon footprint. We monitor the results, make adjustments when required and accelerate where possible.



Our organisation



Our targets for 2030



We reduce our carbon footprint by 50% relative to 2021



Harmful emissions, residual waste and plastic at our office and project sites have been reduced to zero



We design in a circular way, reuse materials in high-quality applications and build using sustainable and circular materials



All our projects contribute to the improvement of soil and biodiversity



Contents of energy management programme (EMP)



Insight

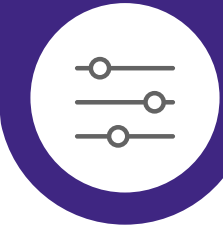
We assess which kinds of energy we use for each business unit.

We divide the energy consumption into different categories, such as mobility, offices and production sites.



Measures

We formulate measures to save energy and fuel and make our energy supply more sustainable.



Monitor

We monitor our energy consumption and the CO2 emissions caused by our energy consumption. This enables us to monitor the effect of our measures and shows us whether we should make adjustments.

How does the EMP work?

- The controllers of the individual business units register the energy figures in our CO2 management system SmartTrackers
- We assess whether the figures reflect reality during periodic energy reviews
- We evaluate the energy figures of each business unit on a yearly basis and formulate an action plan with measures
- We assess the energy management programme based on internal and external audits and the management review



Who is responsible for what?



Steering committee

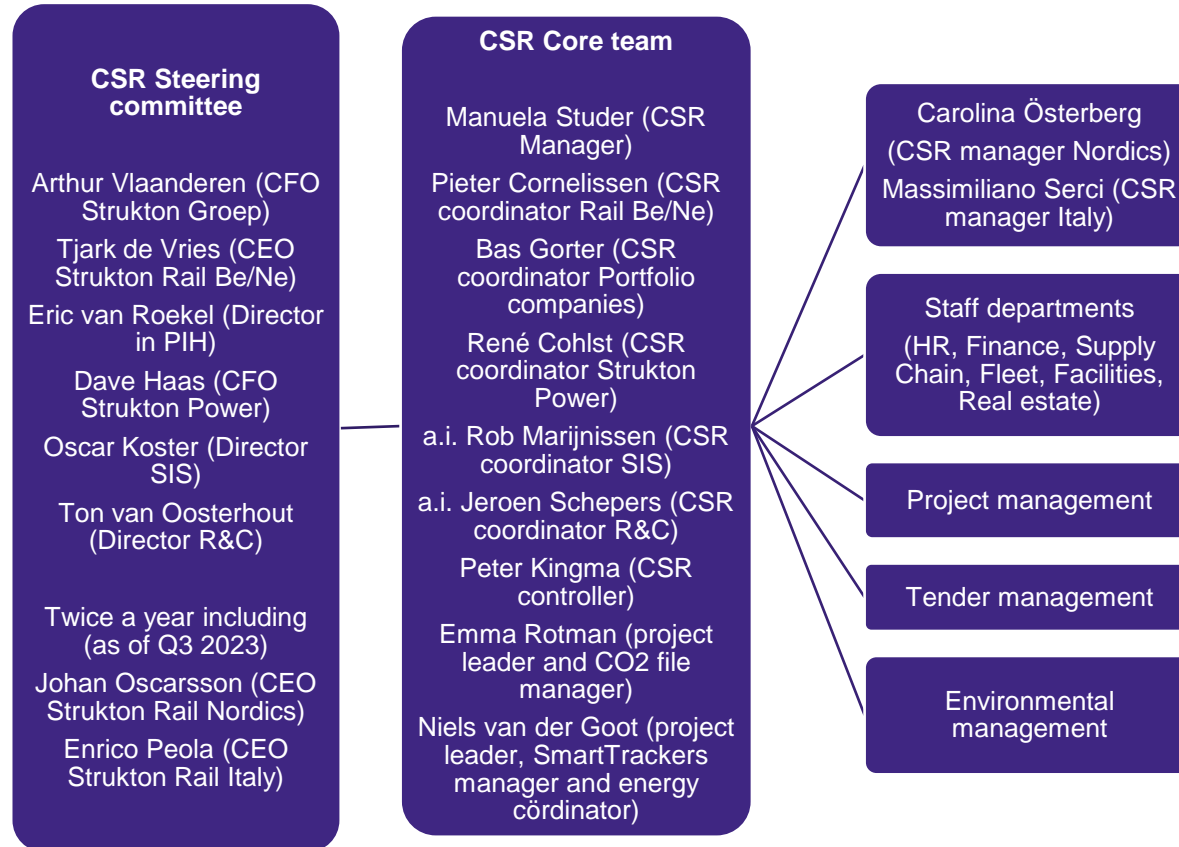
Responsible for formulating our CSR targets and strategy. Has final responsibility for the CO2 Performance Ladder.

Core team

Responsible for implementing Strukton Groep's CSR policy, including the CO2 Performance Ladder and the EMP.

Working groups

Employees are working on sustainable initiatives in working groups in the various business units.

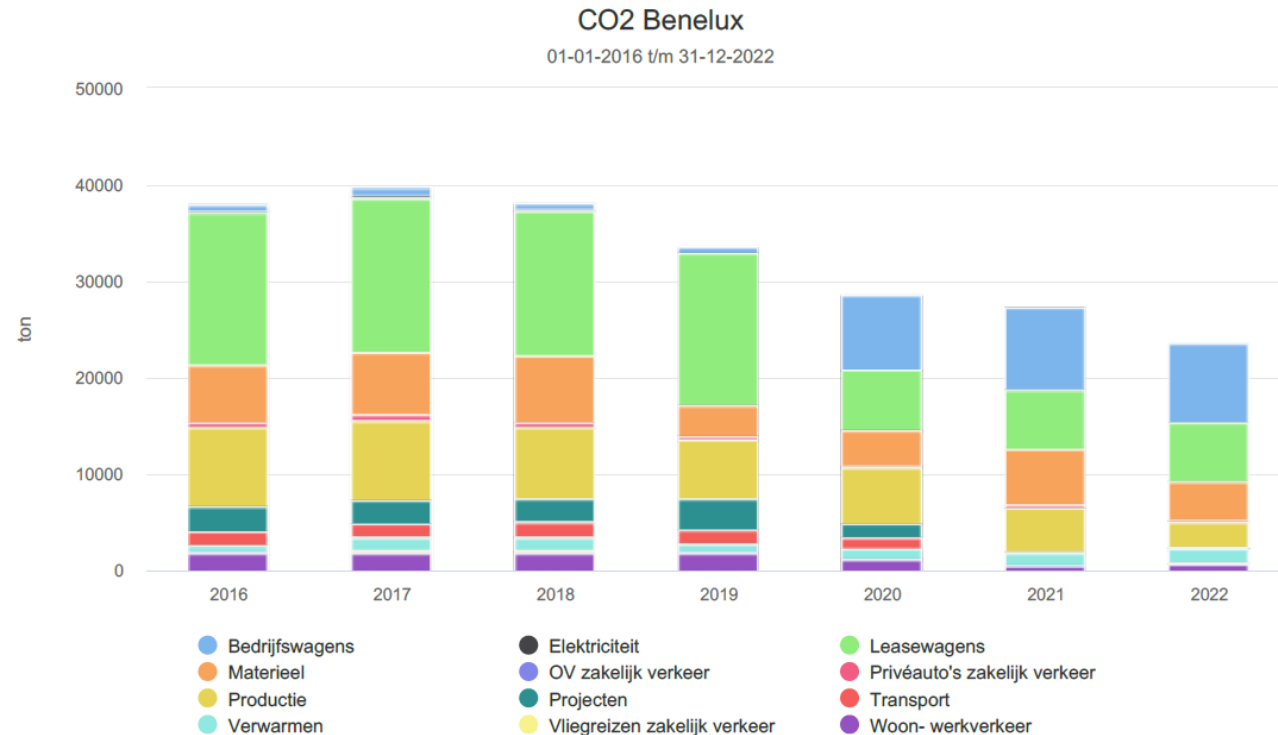


CO2 reduction: Our results



Strukton consists of various business units, which started measuring their carbon footprint at different moments in time.

We have been monitoring the carbon footprint in the Netherlands since 2009. Belgium joined in 2016.



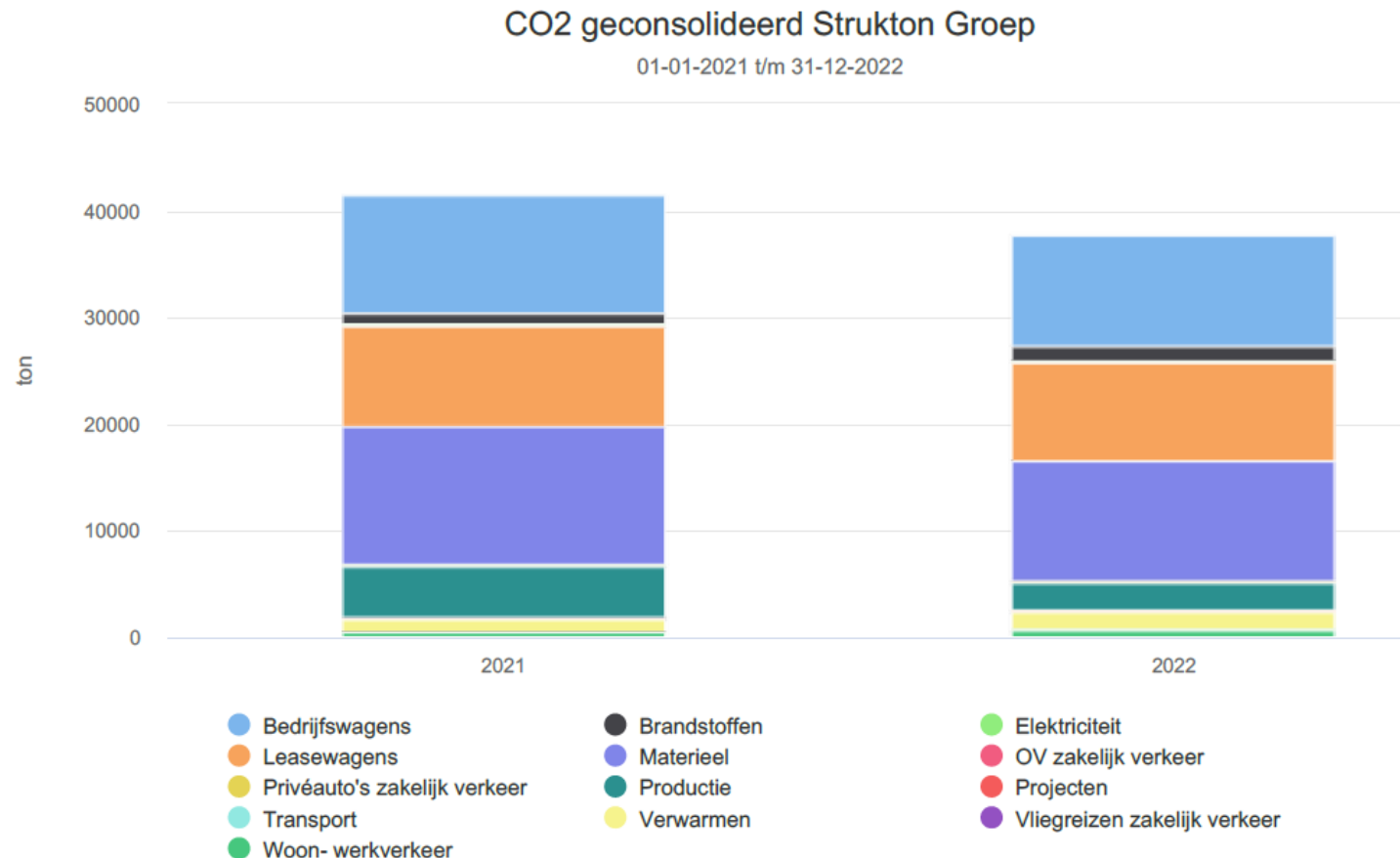
Strukton's CO2 emissions in the Netherlands and Belgium have been reduced by 38 percent since 2016.



CO2 reduction: Our results



We have insight into the carbon footprint of all Strukton business units since 2021. We now also include the carbon footprint in Italy and the Nordics, in addition to the Dutch and Belgian entities. This enables us to compare our carbon footprint on an annual basis.



Our 2022 carbon footprint was almost 10% lower than in 2021.



How we reduce CO2 emissions

Scope 1: direct own emissions

These are the emissions we cause ourselves, e.g. with our car fleet or machines & equipment.

The emissions of business travel (including commuter traffic) will be reduced by 50% in 2030 relative to 2016

- Hybrid work
- (Electric) bicycles and public transport
- Electric cars and vans

We reduce the CO2 emissions of our machines & equipment

- Increase the use of biofuels
- Retrofit existing machines to emission-free machines
- Investigate how we can make large equipment more sustainable (with battery or hydrogen)

We reduce our gas consumption at fixed working locations

- Smart thermostats
- Insulation at production locations
- Improve efficiency of production methods
- Recover heat
- Heat production halls with IR panels





How we reduce CO2 emissions



Scope 2: indirect own emissions

These are the emissions we cause by purchasing energy and fuel.

We make the energy supply at project sites more sustainable

- Make use of sustainable energy in project tenders
- Green grid connections at project sites
- Green power supply instead of fossil fuels
- Form partnerships with green energy suppliers

We reduce and green the energy consumption in offices

- Sustainable energy production at office roofs
- Install energy-saving equipment at project and production sites



How we reduce CO2 emissions

Scope 3: emissions in the chain

These emissions are caused by suppliers, e.g. when we purchase materials.

We reduce emissions from production, transport and processing of rails

- Chain cooperation for reusing rails at main track
- Second life for rails outside the main track

We reduce chain emissions of ballast

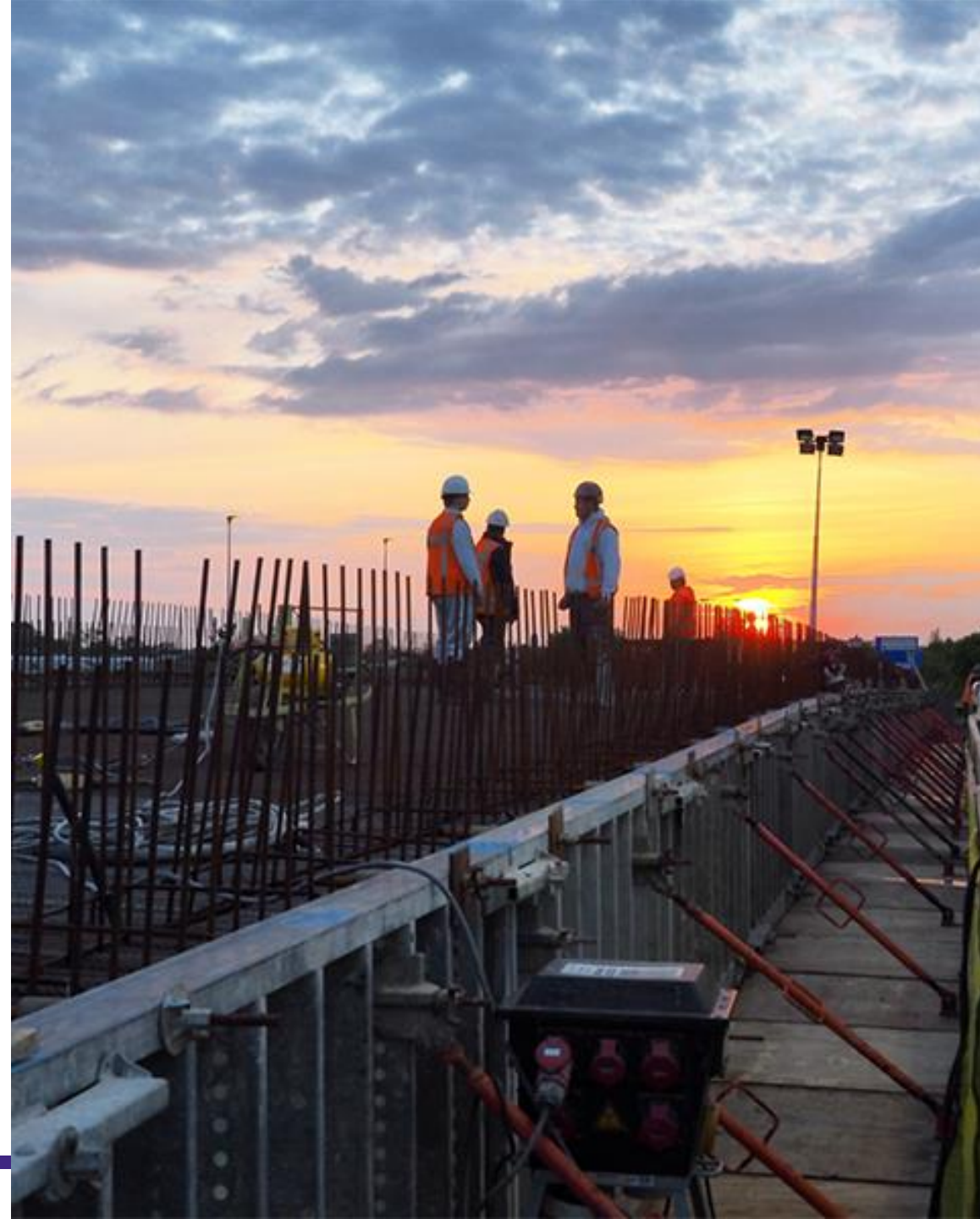
- Reuse ballast, use recycled ballast or ballast from 'green pit'
- Transport by rail where possible
- Investigation into reduction opportunities during processing process

We reduce emissions from business travel

- Promote hybrid work, use of public transport, bicycle, energy-efficient driving, overnight stays in hotels
- International travel for meetings > 3 hours only
- Train instead of plane for distances < 700 km

We reduce emissions from purchased concrete

- CSC certified concrete and concrete with low ECI
- Increased reuse
- Replace concrete by sustainable alternatives
- Chain cooperation for reusing concrete



Our initiatives in the chain

We work together with chain partners to reduce emissions in our operations and in the chain. We work together on other sustainability themes as well.

Initiatives we are involved in include:

- Coalition 'Anders Reizen' (Travel Differently)
- Bereikbaarheidsalliantie A2 (Accessibility alliance)
- Manifest Duurzaam GWW 2030 (Manifest Sustainable Civil Engineering)
- Duurzame Leverancier (Sustainable Supplier)
- Europe's Rail Joint Undertaking
- Programma Natuurlijk Kapitaal in de Bouw (Programme Natural Capital in Construction Sector)
- Emissieloos Netwerk Infra (ENI) (Emission-Free Network Infrastructure)
- De Groene Koers (Green Course)
- Deelname aan de transitiepaden van RWS en ProRail (Partnership in transition paths of ProRail and RWS)
- Bewuste Bouwers (Conscious Constructors)
- Natuurbouwers (Nature Constructors) – Part of Infranature – Delta plan for biodiversity restoration

