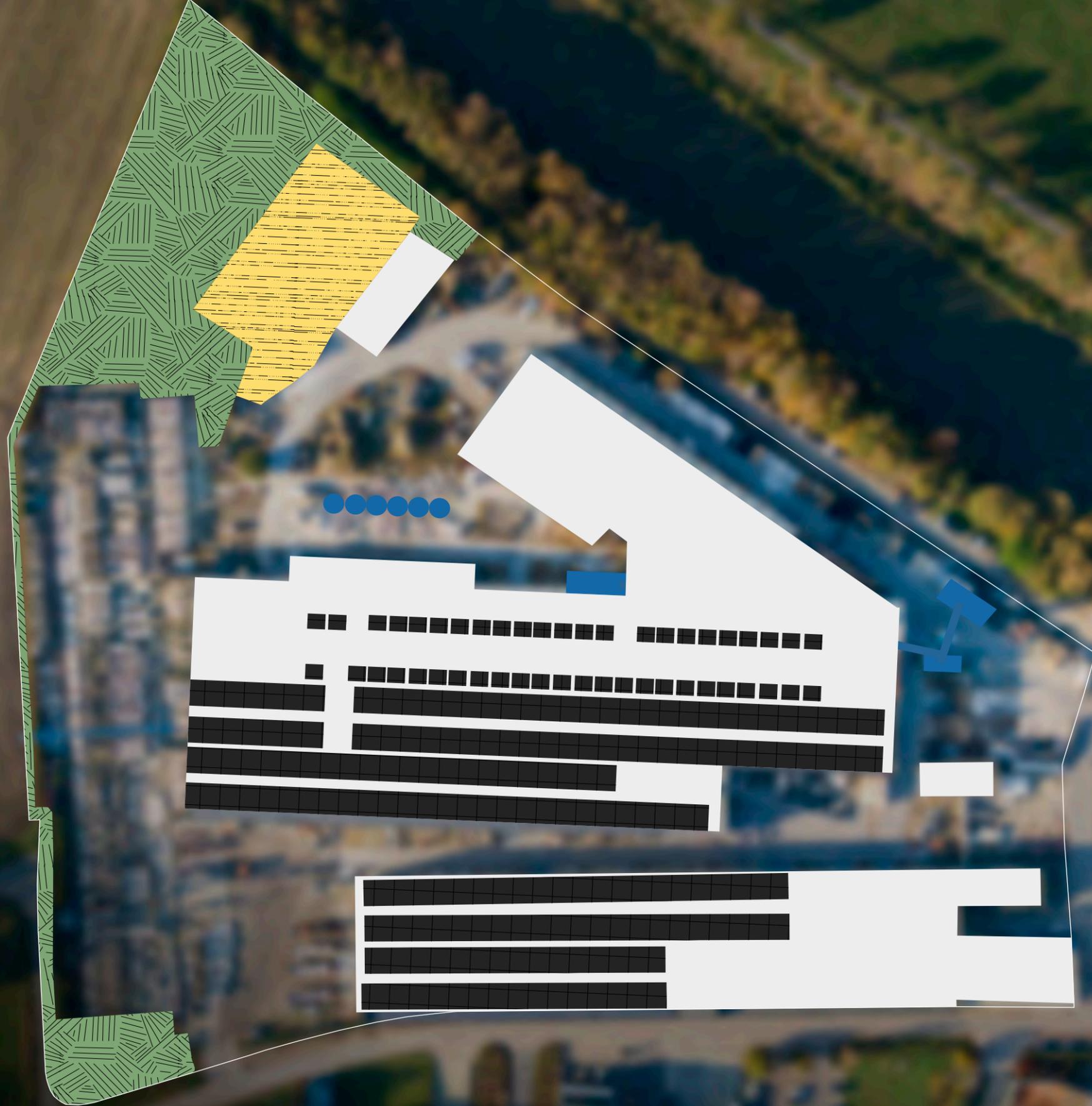
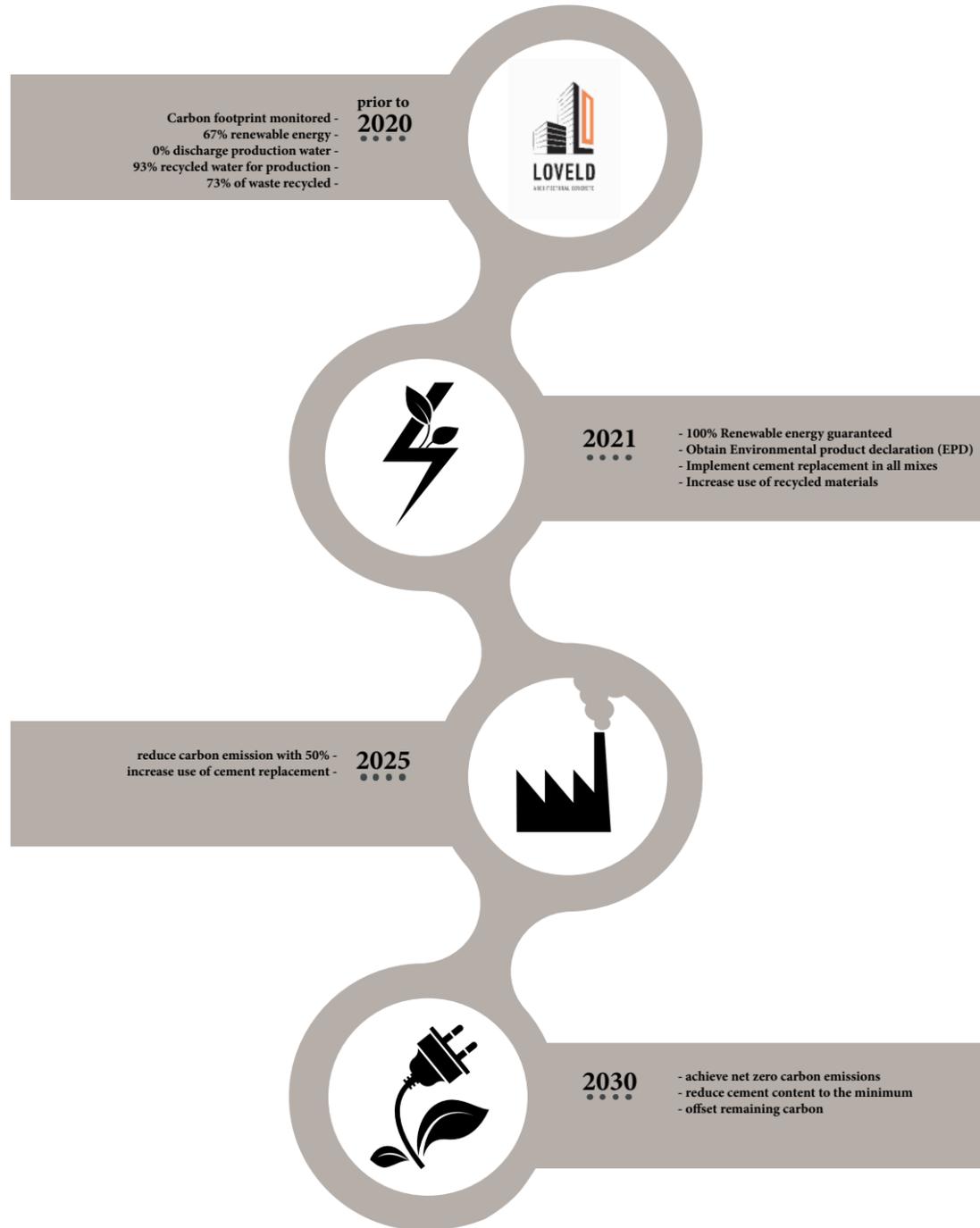


-  0,2 Ha Timber recycling
-  2,7 Ha building
-  0,8 Ha green space
-  0,75 Ha Photovoltaic cells
-  360.000 l Water storage



Sustainability roadmap

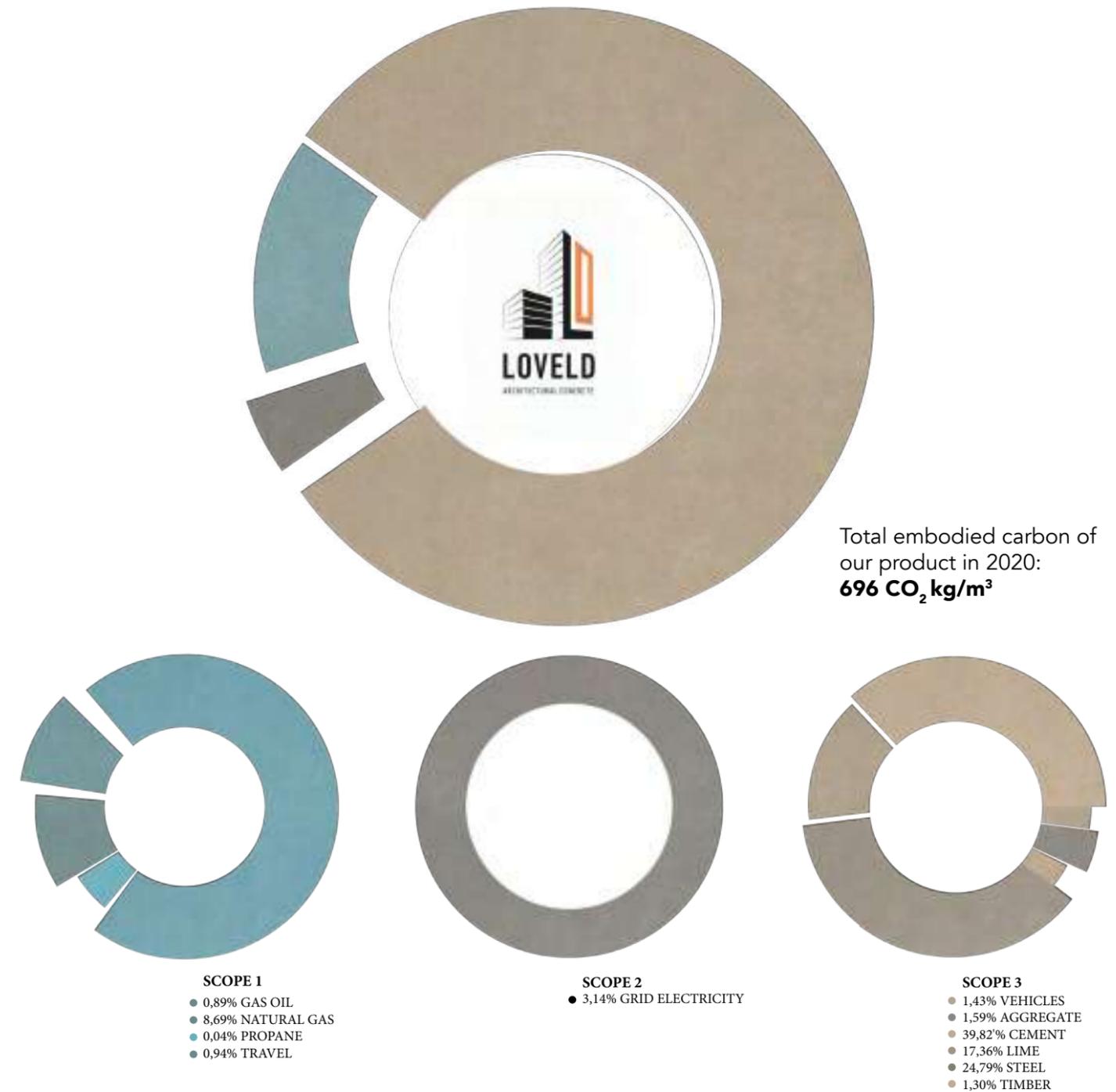


Carbon footprint

Monitoring the embodied carbon associated with our product i.e. all emissions during material extraction, processing, transportation and operation. Carbon emissions are categorized into 3 categories:

- Direct emissions from our plant - **Scope 1**
- Indirect emissions from energy used - **Scope 2**
- Indirect emissions from raw materials - **Scope 3**

Loveld
1985 - 2020

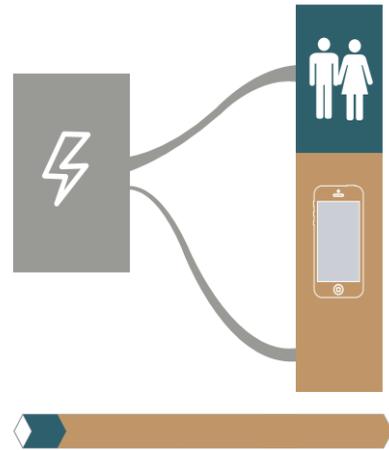
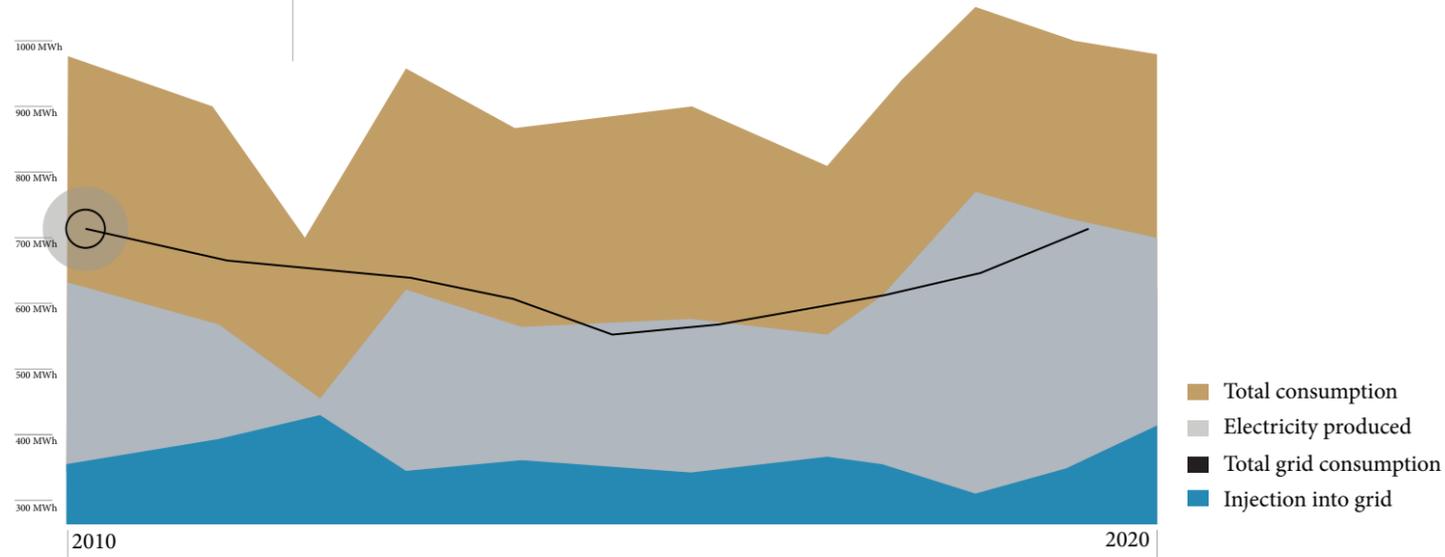




Solar Energy

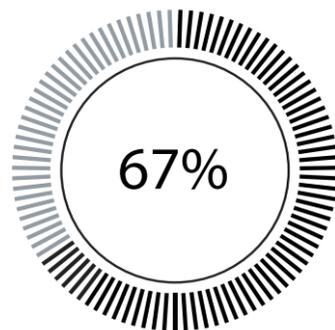
7 000 MWh

Total energy production in 11 years

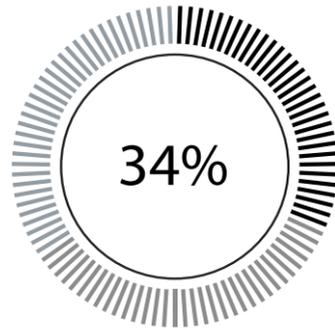


Since early 2010 we have a fully operational Solar power station with a 700kWp peak power, comprising 3402 photovoltaic panels installed on the roofs of our Belgium based plant.

We are proud to have surpassed the milestone of 7,000,000 kWh produced on our site since 2010. This equates to enough energy to supply 200 households over a period of 11 years or charge 300k Phones over the same period.



PRODUCED ENERGY / CONSUMED



DIRECT CONSUMPTION / PRODUCED ENERGY

Solar Energy produced equates to...



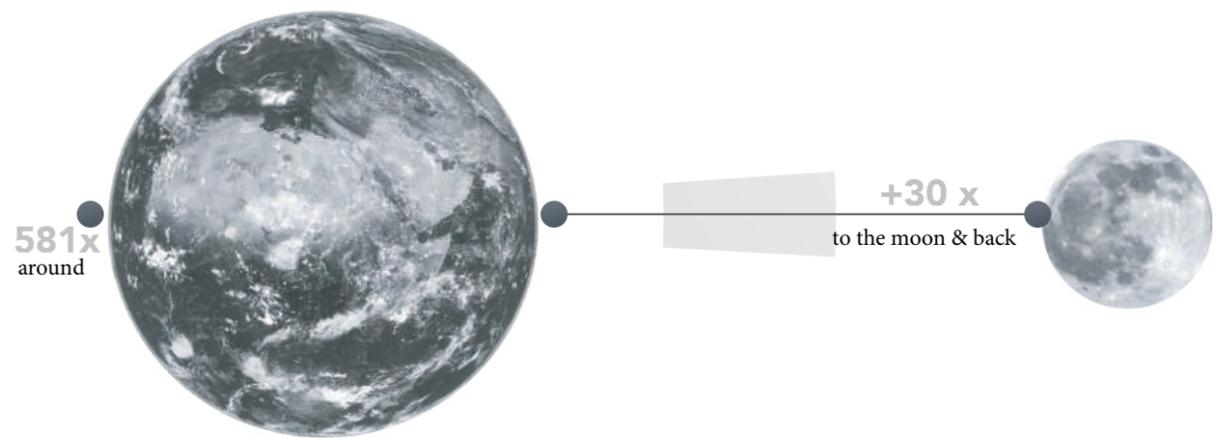
2.750 Ton CO₂ Emission saved

Each kWh of electricity can be generated using fossil fuel, which generates CO₂ emissions. The number shown is the quantity of CO₂ emissions that would have been generated by an equivalent fossil fuel system. This number depends on the systems' location. We have used a CO₂ Factor of 392g CO₂/kWh.



82.000 Trees Planted

Trees absorb CO₂, thus reducing CO₂ environmental pollution levels. The number shown is the equivalent planting of new trees for reducing CO₂ levels. This number depends on the systems' location. We have used a Trees Planted Factor of 0.0117 trees/kWh



22.000.000 km saved

When we assume that an average car emits 125 g CO₂/km into the air then you can drive 22,000,000 km until the amount of CO₂ saved has been emitted into the environment or 550 times around the earth or nearly 30 times to the moon and back.



Waste processing



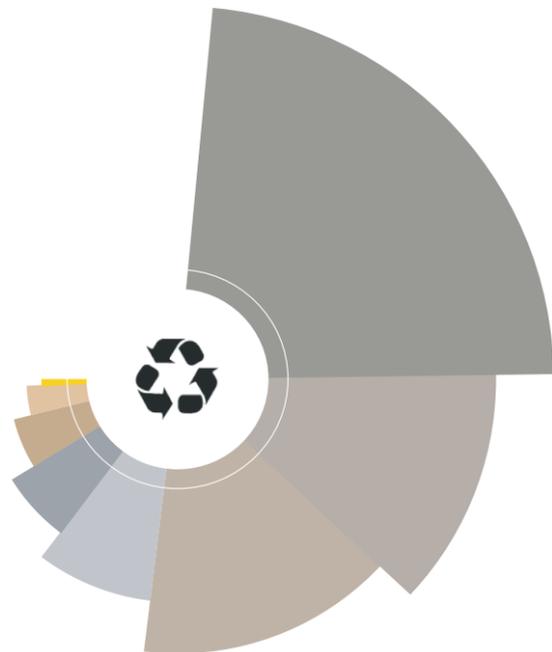
At Loveld we focus on reducing waste and to maximize our circular economy by recycling at every stage of the process. We also investigate how we can incorporate more waste material in our products, reducing both the quantity of waste that leaves our factory and the quantity of virgin materials we use.

26,92% non-recycled waste
73,08% recycled waste



25,16% residual waste factory
1,76% residual waste canteens

36,80% Crushed concrete
16,24% Timber
13,06% Timber
4,79% Sludge from water-recycling
1,11% Paper cardboard
0,82% Recycled insulation
0,08% Packaging waste
0,0001% Hazardous packaging



Water efficiency (2016 - 2020)



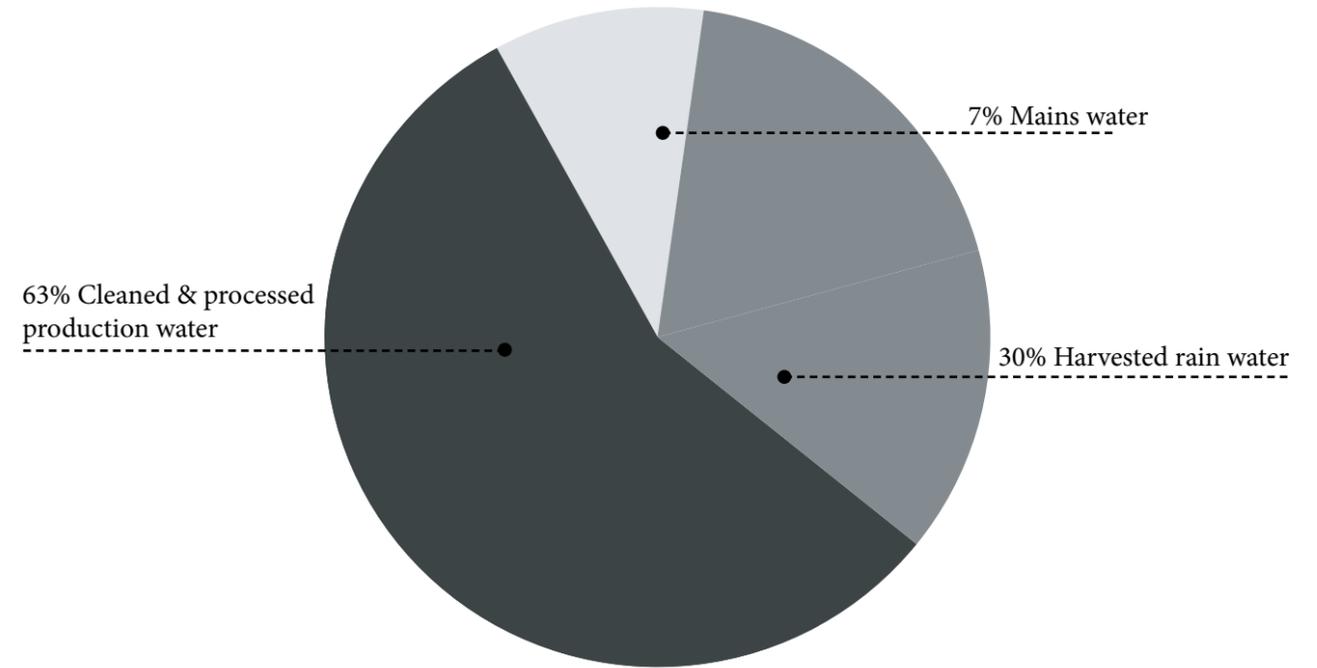
0% DISCHARGE
PRODUCTION WATER

We have invested heavily to maximize water recycling and re-use at our facility. We capture rainwater from our factory roofs which is stored in buffer tanks with a capacity of 200.000l. We further collect all process water from polishing, cleaning & acid etching and pump it to 2 water purification units.

This cleaned water is then fed into a 100.000l buffer tank from where it is pumped to a neutralizing unit where it is checked and neutralized before it is re-used in our factory process. In total we have 360.000l buffer tanks to store harvested and cleaned water.

This system allows us to avoid discharging any contaminated water towards the canal and to minimise to use of mains water.

Loveld
1985 - 2020



04 YEARS

Over 4 years 10.891 m³ harvested rainwater + 22.663 m³ recycled production water makes 93% operational water comes from recycling.