



De Ceuvel is one of the most sustainable and unique urban developments in Europe. Throughout the site are showcases of technologies and techniques that operate on a small scale to close local cycles and bring us back in touch with our basic needs. The creative reuse of waste materials throughout the site is a key component of extracting value and nutrients from what many people view as waste.

**Some of the smart things to look out for include:**

- Compost toilets.
- Struvite reactors to capture nutrients from urine.
- Heat exchangers to capture and recycle over 60% of the warm air leaving each office.
- Helophyte filters to process waste water.
- Purifying park that uses phytoremediation planting to remove pollutants from the former industrial land.
- 150 Photovoltaic (PV) panels, producing around 36.000 kWh of power yearly.
- Peer-to-peer blockchain-based energy trading system, the Jouliette.
- Aquaponics greenhouse to produce vegetables and herbs for the cafe in a closed loop.