

Mannheim & MVV Enamic Converts Olam's Steam Production to Cocoa Shells

Mannheim - Germany

Short description

The Local Green Deal (LGD) focuses on shifting from gas-fired steam generation to using cocoa shells as a biomass fuel thereby reducing CO2 emissions by approximately 8,000 tons annually. The new biomass plant will operate for 16 years and is expected to save around 65,000 tons of CO2 by 2030. The project highlights a pioneering approach to using by-products for energy, setting a benchmark for sustainable practices in industrial steam production.



Industry/Sector

- Energy & Renewables

Parties of LGD/Participating parties

- City of Mannheim
- MVV Enamic
- Olam Food Ingredients

Scope of LGD

- The initiative's primary scope is to align with the European Green Deal, aiming to achieve climate neutrality by 2030. This includes expanding the use of renewable energy, promoting eco-friendly transportation, and supporting sustainable economic practices. The scope extends to improving resource efficiency in construction, enhancing local food

systems for health and sustainability, protecting natural spaces to support biodiversity, and reducing pollution levels to ensure a healthier urban environment. Furthermore, fostering innovative solutions like the conversion of industrial processes to more sustainable practices (e.g., using cocoa shells as fuel) falls within the scope of the LGD. The city also encourages collaboration between businesses and institutions to achieve its sustainability objectives, recognising contributions through initiatives like the iDEAL Environmental Award.

Concrete measures/commitments

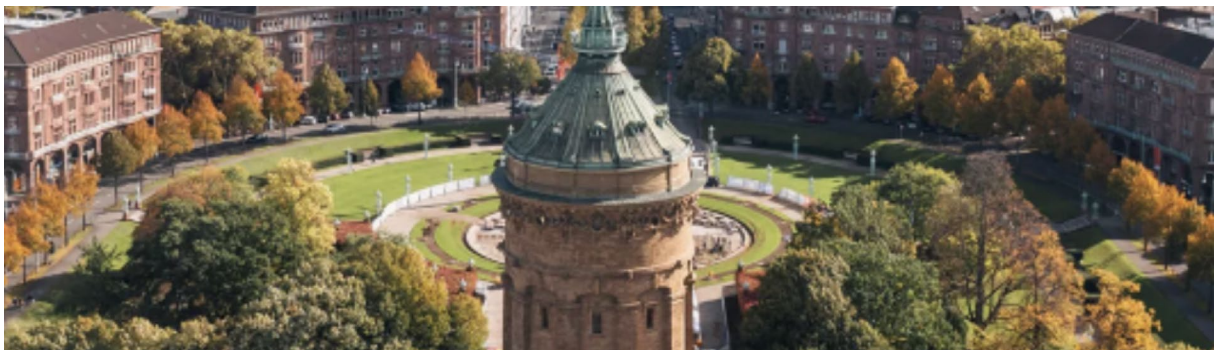
- The parties commit to the use of renewable energy, promoting sustainable economic practices, and enhancing smart, eco-friendly transportation.

Mannheim & Oikos Cooperative: Pioneering Intergenerational, Ecological Housing in Mannheim

Mannheim - Germany

Short description

Mannheim's Local Green Deal (LGD), known as iDEAL, is a comprehensive initiative aimed at achieving climate neutrality by 2030, aligning with the European Green Deal. In line with the initiative fostering social cohesion through community-focused projects, the Oikos Cooperative has developed a unique, intergenerational housing project in Mannheim combining sustainable housing with affordable living and social engagement opportunities. This innovative development features 21 residential units and communal spaces built to KfW 40 Plus standards with a hybrid wooden structure. The building includes a photovoltaic system, heat pump, and pellet heating, along with vertical greening along the facades. Since early 2023, 30 adults and 15 children have moved in, creating a vibrant community committed to shared living and mutual support.



Industry/Sector

- Energy & Renewables; Construction & Built Environment

Parties of LGD/Participating parties

- City of Mannheim
- Oikos Cooperative

Scope of LGD

- The scope of the LGD is to achieve climate neutrality by 2030 through renewable energy, circular economy practices, and resource-efficient construction. It aims to foster sustainable, community-based living with accessible housing and strong social cohesion, supported by regular community events and cooperative ownership models. This initiative integrates environmental, economic, and social goals, making Mannheim a model for sustainable urban living in line with the European Green Deal.

Concrete measures/commitments

- The parties commit to installing photovoltaic systems, heat pumps, and other renewable energy technologies to minimise carbon emissions, and to use resource-efficient materials and building techniques to reduce environmental impact and support a circular economy. In addition, they commit to implementing cooperative ownership to maintain affordable rent and making sustainable living accessible. Regular neighbourhood meetings, festivals, and events will be held to build social bonds and enhance community interaction. Lastly, project continuity and adherence to sustainability goals will be ensured through resilience-focused planning.