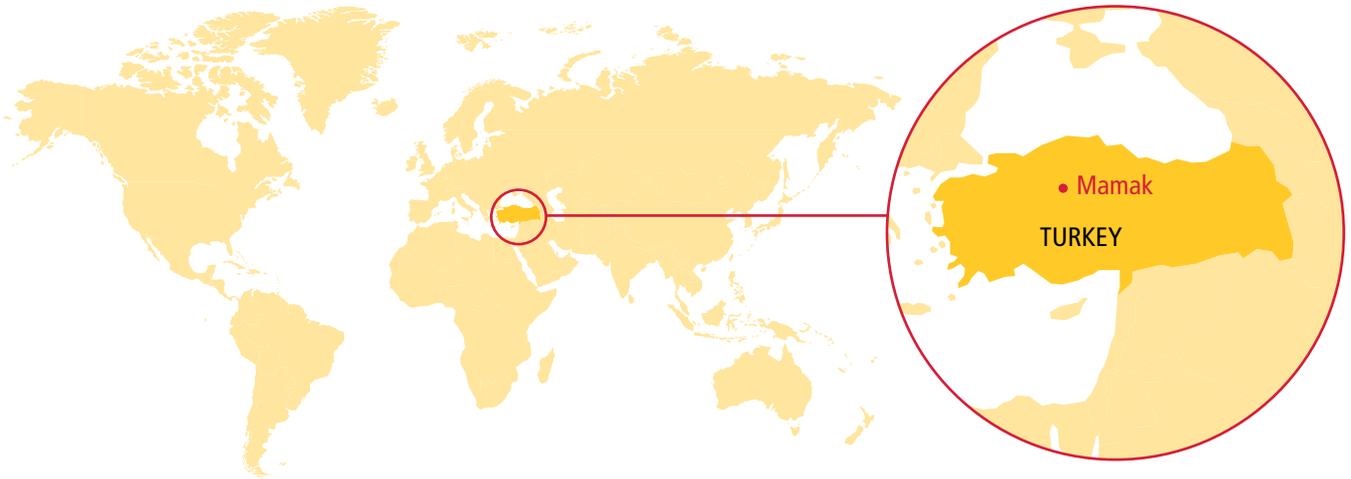


GOGREEN CLIMATE PROTECTION PROJECT: LANDFILL GAS PLANT IN TURKEY



In order to provide our climate neutral service GoGreen, we need carbon credits to offset the greenhouse gas emissions that result from transport and logistics services for our customers. We obtain these carbon credits by investing in certified climate protection projects such as this landfill gas plant in Turkey.

Project type	Renewable energies
Project technology	Landfill gas plant
Project location	Mamak, Ankara, Turkey
Project goal	To reduce greenhouse gas emissions by using landfill gas for power generation instead of fossil fuels
Project standard	Verified Emission Reductions (VER) Gold Standard (GS 440)



Climate neutral shipping
with Deutsche Post



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Gold Standard
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GOGREEN CLIMATE PROTECTION PROJECT: LANDFILL GAS PLANT IN TURKEY



Project description

The Mamak waste disposal plant, located in the metropolitan region of Ankara, each day processes an average of 3,500 tonnes of municipal waste containing 60% organic matter. When organic waste breaks down anaerobically, landfill gas (mainly CO₂ and methane) is produced.

The landfill gas plant, with a total performance of 22.6 MW, collects the landfill gas and uses it to generate electricity. The power is exported to the state grid, substituting electricity generated from conventional fossil fuels.

In addition to reducing CO₂ emissions from fossil fuels, the climate protection project has a positive impact on the economic and social well-being of the region. The local community participated actively in the project design and benefits from the technology transfer and newly created jobs. Local air quality has improved significantly and the waste heat from the gas engines is used to heat greenhouses. In 2009 the project won the "World Bank Award for Best Environmental Project".

Additionality

The use of landfill gas leads to higher costs and special technical requirements for power generation as the plant in Mamak is the first of its kind in Turkey. The project could have not been realized without the additional revenue generated from selling carbon credits. Thus, the project fulfills the additionality criterion of the Gold Standard: CO₂ emission reduction provided by the landfill gas plant is in addition to what would otherwise occur or that is regulated by law.

Links

dpdhl.com/gogreen-projects
mer.markit.com/br-reg/public/project.jsp?project_id=103000000002476



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