

ZECOS INVESTMENT PROFILE

Partner involved: Morbach, PCC, NCC, Arebs

Date of submission: 23rd December 2014

Development and Introduction of the Communal Zero CO_{2e}
Emission Certification System as a Tool for Sustainable
Communities and Regions

229H-ZECOS

Investing in Opportunities



This project has received
European Regional
Development Funding
through INTERREG IV B.



INTERREG IV B

ZECO₂S
Zero CO_{2e} Emission Certification System

Investment Profile Morbach

Investment title:	district heating network for Primary School / Sports hall / Teacher's house / Kindergarten Morbach / fuel: wood-pellets
Partner responsible:	Community Morbach
Key figures:	installed capacity 300 kW, 80 to of wood pellets / a, one micro district heating system with two heating-plants for Primary school, Sports Hall, Teachers house (owned by community), Kindergarten; total investment of 503.710,48 €, profiteers are the community of Morbach for saving money and CO ₂ , the school, Kindergarten etc.; also the regional wood-pellet producer (regional added value)
CO ₂ -savings/a:	100 to/a
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Benefits of the investment:	By the project the municipality will save in the long term operating costs, because the fuel "wood pellet" is cheaper than fuel oil. The higher investment will pay for itself relative to a comparable oil heating-plant after about 10 years. With this project there are CO ₂ -savings of yearly 100 tons (three oil ovens were replaced and yearly 40.000 l fuel oil saved). The pellets are manufactured in the region and increase the regional value creation and so reduce the cash outflow out of the community
Short description of the investment:	Micro-district heating network, Connected are elementary school, sports hall, House, Kindergarten. Heating grid 301 m line, partly through road / schoolyard and unpaved area (garden land), then surface restoration by the street, Schoolyard and garden land. Installing heating system with two heating-plants in one container and wood pellet storage above, paved area for pellet delivery. Fuse protection and backfilling of the old oil tanks.
Financed by:	INTERREG IV b and Community Morbach The project was discussed with the international consortium and optimized in its content, for example, advantages and disadvantages of wood chips and wood pellets to a comparable oil heating-plant.

