

# ZECOS INVESTMENT PROFILE

**Partner involved:** Morbach, PCC, NCC, Arebs

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Development and Introduction of the Communal Zero CO<sub>2e</sub>  
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 IVB

**ZECO<sub>2</sub>S**

Zero CO<sub>2e</sub> Emission Certification System

## Investment Profile

Investment title:	<b>Influencing current land-use patterns through the creation of demand for local biomass</b>
Partner responsible:	Northamptonshire County Council
Key figures:	<p>Number of units: 4 biomass boilers installed in 4 schools across the County</p> <p>Fuel source: Biomass (Wood Pellet)</p> <p>Total installed capacity: 375 kW</p> <p>Total investment: Euros 495,000</p> <p>Beneficiaries: Yelvertoft Primary School, Crick Primary School, Pattishall CE Primary School, The Gateway School and Technology College (swimming pool complex)</p>
CO <sub>2</sub> -savings/a:	<p>Considering the supply chain from regeneration of wood to delivery about 80 tonnes of CO<sub>2</sub> per annum compared to the previous emissions from oil, (assuming zero net emissions from biomass burning)</p>
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Benefits of the investment:	<p>Fitted at no cost to the schools, as entirely co-funded by the European Union and Northamptonshire County Council, the estimated savings on fuel bills for the schools will be between £1,000 – £3,000 each year with an additional reduction of 85 per cent in CO<sub>2</sub> emissions on previous output. The systems also offer a new, clean and efficient solution to the schools compared to the old and inefficient oil boilers in use prior to the project. The installations also produce a significant educational and behavioral change impact as pupils and the local communities have come into direct contact with a new green technology and its benefits.</p>
Short description of the investment:	<p>Within ZECO<sub>2</sub>S Northamptonshire County Council has implemented a series of practical projects contributing to CO<sub>2</sub> reduction across the communities, mainly focusing on schools, including behavioural change activities and the installation of biomass boilers in four selected schools.</p> <p>Northamptonshire County Council has facilitated the whole process on behalf of their schools. Four Pelletfire boilers have been installed at Yelvertoft Primary School, Crick Primary School, Pattishall CE Primary School, The Gateway School and Technology College.</p> <p>As part of the process the Council has also</p>

considered the development of a biomass supply chain that could be as local and as sustainable as possible.

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Financed by: INTERREG and Northamptonshire County Council

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**Figure 1: Yelvertoft School: view of the biomass boiler cabin and annexed oil tank enclosure from the back and the front**



**Figure 2: Opening event at Yelvertoft Primary School**