

Municipality of Zaanstad



Location	Amsterdam Metropolitan Region, Netherlands
Beneficiary	Municipality of Zaanstad
Member of Covenant of Mayors Initiative	✓
Contribution	EUR 463,860
Project development services financed by eeef	<p>The TA will be used for the development of an open and smart energy and heat network in the municipality of Zaanstad. The main objective of the TA is to further elaborate the feasibility and the tender preparation of the project.</p> <p>To enable the development of the smart energy and heat grid, the TA will be used for the inventory of the demand and supply side (heat and costs), principle design works, economic analysis of the business plan, preparation of draft contracts, and tendering procedure, as well as knowledge dissemination together with the Amsterdam Economic Board.</p>
Timeframe for TA	expected to be completed by end of 2016
Description of the envisaged investment programme	<p>Development of an extension for the existing district heating system in the northern part of the municipality. The extension will include a biomass fired combined heat and power plant (CHP) with heat buffer. The district heating network will combine the usage of waste heat from industries in that area and the capacity of the CHP. The project will provide local green heat and energy to private and public housing, schools, institutions and businesses for a competitive price. The project can act as a buffer for renewable electricity produced in periods of low electricity demand. The surplus of renewable electricity can be converted into heat and temporally stored in heat buffers and used at a later date.</p>
Investment required	expected investment of EUR 10m
Expected results	<ul style="list-style-type: none"> • Greenhouse gas emissions reduced/avoided in CO₂eq: <ul style="list-style-type: none"> Total: 4,500,000 kg CO₂ • Jobs created/sustained: <ul style="list-style-type: none"> - Definition and scope / Feasibility / Financial close phase (2 years): 3 FTEs - Realisation phase (1 year): 35 FTEs - Exploitation phase (30 years): 3 FTEs
eeef's support for investment programme	eeef could envisage to finance at least €8m from the investment programme