



**ELENA Completed Project Factsheet**  
**Renewable energy and energy efficiency in Zealand**  
**(REEEZ)**

<b>Location</b>	Region Zealand, Denmark
<b>Beneficiary</b>	Region Zealand
<b>CoM signatory</b>	Yes (for most participating municipalities)
<b>Sector</b>	Energy efficiency and renewable energy
<b>Total PDS costs</b>	EUR 1 944 619.41
<b>ELENA contribution</b>	EUR 1 750 157.47
<b>Project development services financed by ELENA</b>	The Project Support Unit was created, which was composed of a project manager and two energy workers. The Steering Committee was established as well as a management board and one partner. In a more technical perspective, a group of renewables (RE group), an energy efficiency group (EE group) and a hospital group were also formed. These groups serve to regroup all project stakeholders in order to provide technical solutions to the Project Support Unit.
<b>Description of ELENA operation</b>	Region Zealand established the required technical and contractual Support Unit and Advisory System, in order to provide support to the municipalities of the region (and the region itself) in the development of a technical assistance infrastructure capable to support the implementation of their investments in RES and EE.
<b>Timeframe</b>	March 2012 - February 2015
<b>Basis for investment identification</b>	The eleven participating municipalities of the region (Faxe, Greve, Guldborgsund, Køge, Holbæk, Næstved, Odsherred, Ringsted, Roskilde, Slagelse, Solrød and Vordingborg), that joined the Covenant of Mayors, have each committed to a reduction of over 20 % of their current CO <sub>2</sub> emissions by 2020, and were the final beneficiaries of the technical assistance provided by the Region of Zealand under this project.
<b>Investment programme description</b>	The TA project resulted in the development of about 1,000 energy efficiency projects, including: <ul style="list-style-type: none"> <li>• RE Electricity Production: almost all the final beneficiaries developed photovoltaic power plants. RE Heat Production: development of several projects based on different technologies, as solar thermal panels, biomass boilers and renewable heat pumps.</li> <li>• Building envelope: installation of insulation in wall, roofs and floors and installation of highly efficient windows. Regulation and replacement of inefficient installations: investment in existing installation including new high efficient boilers, heat recovery systems and new control systems.</li> <li>• Hospitals Equipment: included investment in hospitals combining the previously referred technologies.</li> </ul>
<b>Investment in implementation phase</b>	EUR 46.36m
<b>Expected results</b>	<ul style="list-style-type: none"> <li>• Energy Efficiency: 31.39 GWh/y;</li> <li>• Renewable energy: 5.76 GWh/y;</li> <li>• CO<sub>2</sub> reduction: 7 348 t/y.</li> </ul>

<b>Leverage factor</b>	26
<b>Lessons learnt</b>	<ul style="list-style-type: none"><li>• Technical assistance provided to the final beneficiaries was the basis for extensive investments in energy efficiency and renewable energy sources in buildings, and without its existence the investments wouldn't be made;</li><li>• Cooperation: provides partners' employees with new skills and also the development of networking with colleagues in other municipalities. Some municipalities had a reduced number of persons working on energy efficiency projects, contributing for the development of future projects;</li><li>• Scale: it was possible to achieve economies of scale by pooling several projects in a single tender process;</li><li>• The RE group developed tender documents for PV plants that were made publicly available at the REEEZ website (<a href="http://www.reeez.dk">www.reeez.dk</a>), and that were already used by other municipalities outside the project.</li></ul>
<b>Further information sources</b>	<a href="http://www.reeez.dk">www.reeez.dk</a>
<b>Contact Person at Beneficiary</b>	Flemming Jørgensen: <a href="mailto:flj@regionsjaelland.dk">flj@regionsjaelland.dk</a>