



ELENA Completed Project Factsheet

Chieti Towards 2020

Location	Province of Chieti, Italy
Beneficiary	Province of Chieti
CoM signatory	Yes (Municipalities belonging to the region)
Sector	EE & RE in public buildings (schools) and public lighting
Total PDS costs	EUR 1 543 801.15
ELENA contribution	EUR 1 389 421.04
Project development services financed by ELENA	<p>The contract signed between the EIB and Province of Chieti includes the following activities related to the preparation and implementation of investment programme:</p> <ul style="list-style-type: none"> • Assessing the final energy saving measures • Drawing tender documents and evaluation of bids from ESCOs • Contract negotiation with ESCOs • Supervision of works • Monitoring and financial auditing <p>Due to the difficulties faced in the implementation of the projects based on the development of Energy Performance Contracts, several other activities were developed under the ELENA contract, namely the analysis of the Italian framework for EPC's, in order to overcome the fact that the tender for the development of EPCs was empty (without any proposals submitted) and also the development of alternative approaches to ensure that the energy efficiency investments could be made.</p>
Description of ELENA operation	<p>The Implementation Unit that was put in place for this project included staff with engineering, legal, accounting and communication profiles who were in charge of:</p> <ul style="list-style-type: none"> • Definition of the investment programme and tendering procedure • Coordination with involved municipalities • External expertise for the preparation and signature of contract with ESCOs and monitoring of implemented contracts <p>Due to the difficulties faced in the implementation of projects based on the development of Energy Performance Contracts, there were also other projects supported by the European Regional Development Fund (2007-2013 period), and the technical assistance provided was slightly adjusted accordingly by taking into consideration the new financing mechanism.</p>
Timeframe	January 2012– December 2015
Basis for investment identification	SEAPs in involved municipalities
Investment programme description	<p>The energy efficiency investments resulting from the technical assistance activities were related to:</p> <ul style="list-style-type: none"> • Energy efficiency in public buildings • Energy efficient street lighting

Investment in implementation phase	EUR 37.89m
Expected results	<ul style="list-style-type: none"> • Energy savings: 37.89GWh/y • RE heat and electricity generation: 0GWh/y • CO₂ reduction: 5 680t/y
Leverage factor	27
Lessons learnt	<p>The project implementation contributed to the following main conclusions:</p> <ul style="list-style-type: none"> • Energy Performance Contracts: higher acceptance in street lighting than in buildings, but the existence of other energy contractual models limit EPC development • Absence of energy consumption registries led the technical team to develop a method to estimate the average consumption (baselines) of the buildings and equipment. As a result, the ESCOs could develop their business plans and present their proposals • Contact point: the existence of technical staff in each municipality with knowledge and time available for energy efficiency is a key success factor of operations, and its absence could cause several problems to the project development • Development of routines to register energy consumption and costs should be encouraged as that facilitates the development of accurate analysis in energy efficiency projects • The overall willingness and predisposition of the municipality staff was positive, once they considered that ELENA team acted as a facilitator in energy efficiency projects development • Reduction of the energy consumption in public sector caused by severe financial restrictions (and consequent equipment's turn-of) led to several constrains in the development of EPCs • Lack of stability in the legal framework related to PV (reduction of incentives) originated the abandon in PV investments
Further information sources	http://www.provincia.chieti.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/5910
Contact Person at Beneficiary	Giancarlo Moca: g.moca@provincia.chieti.it