



ELENA Project Factsheet TOWARDS A SUSTAINABLE 2020 CAMPUS

Location	Campus Woudestein of the Erasmus University Rotterdam, City of Rotterdam, the Netherlands.
Beneficiary	Erasmus University of Rotterdam
CoM signatory	No.
Sector	Energy efficiency in public buildings.
Total PDS cost	EUR 3 057 510
Elena contribution	EUR 2 751 759 (90%)
Project development services (PDS) financed by ELENA	The project development services will provide support to the University to prepare and develop all the necessary and required documentation for the publication and launch of tenders to implement the investment. The required specification for achievement of the energy efficiency targets will be included in the final investment tender documentation. Additional staff and technical consultancy services will be subcontracted for the elaboration of baselines and other technical specifications of the tenders. The tender documentation and the entire procurement process will be managed and prepared by the University with the support of external experts.
Description of ELENA operation	The University's current objective is to be one of the most sustainable campuses of the Netherlands and to serve as a 'lighthouse' project for the rest of Europe's universities. The University has set the objective to reduce the energy consumption in 2020 by 30% compared to 2005. To meet this objective, the University has to renovate a mix of building types that date from different periods, and make them as energy efficient as possible.
Timeframe	1 January 2016 – 31 December 2018
Basis for investment identification	The Erasmus University has conducted several studies to come to the blueprint for the campus development and more specific to come to the programme 'Towards a sustainable 2020 campus'.
Investment programme description	The Investment Programme will be implemented through investments contracts for the refurbishment of six individual buildings of the University. The defined level of energy savings during the preparation phase will be included in the tender documentation for the investment contracts and the contracts will include penalties in case these levels are not achieved. In addition, photovoltaic systems will be installed on the different campus buildings and a Heat and Cold Storage (HCS) system for multiple buildings on campus will be constructed.
Investment to be mobilized	EUR 61.4 million
Expected results	<ul style="list-style-type: none"> • Energy Efficiency - Annual total energy saved 6.4 GWh. • Renewable Energy generation of 1.2 GWh/year. • CO₂ reductions - Annual total reductions of CO₂ emissions 3 250 t CO₂ eq.
Leverage factor (Minimum 20)	22

Market replication potential	The market replication potential for other universities is considered high. This ELENA project is the first one which addresses the energy efficiency issues on the university and can be seen as good example for replication in other universities.
Project status	Contract signed 22/12/2015
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