

CO-EFFICIENT –

“Collaborative framework for energy EFFICIENT SME systems”

Creating new collaboration models and analytical tools for energy efficient operations of SMEs

Creating new collaboration models and implementing e-services for energy efficient operations of SMEs

The Project Partnership:

The CO – EFFICIENT partnership consists of a strong partnership composed of universities, development agencies, research institutes, foundations, national SMEs and transport associations, innovation commercialisation company and SMEs support institution that promote the importance of implementing innovative solutions at SME level.

Partner's logos and contact information:

University of Maribor, (Slovenia): www.um.si

Regional Development Agency Mura (Slovenia):
<http://rra-mura.si>

Institute for Transports and Logistics (Italy):
www.fondazioneitl.org

CNA Modena (Italy): www.mo.cna.it

SATA (Italy): www.satanet.it

Valenciaport Foundation (Spain):
www.fundacion.valenciaport.com

CIERVAL (Spain): www.cierval.es

AFT (France): www.aft-iftim.com

Regional Development Agency Slavonia
and Baranja (Croatia): www.slavonija.hr

Centre for Entrepreneurship Osijek (Croatia):
www.czposijek.hr



CO-EFFICIENT
COLLABORATIVE FRAMEWORK FOR
ENERGY EFFICIENT SME SYSTEMS



**CREATING NEW
COLLABORATION
FRAMEWORKS AND TESTING
INNOVATIVE SOLUTIONS FOR
ENERGY EFFICIENCY IN SMEs**

“Working together – Finding practical solutions”



Project co-financed by the
EUROPEAN UNION
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<http://coefficient-project.eu/>

Co-efficient Project Purpose

At the beginning of project implementation, several things were clear:

- SMEs are both most viable and most vulnerable section of economies in Mediterranean (MED) basin;
- Most SMEs in the MED are not as energy efficient as they might be;
- SMEs innovate in different ways than large enterprises;
- There is lack of strong communication between the R&D sector and SME systems.

In order to tackle these issues partnership was crated with a purpose to:

- Repair the broken linkage between SMEs and R&Ds in five participating countries;
- Test available solutions in energy efficiency field in a real life environment;
- Create customized solutions to address energy efficiency issues in production processes at SMEs;
- Create functional framework for cooperation with enough flexibility for SMEs to participate.

Project objectives

The general objectives of the Project were:

- To induce behavioural and technological changes in the manufacturing and logistics sector SMEs of the project regions and in the MED area in general, generating positive externalities for the regional economies and environment, in line with the sustainable development principle;
- To empower SMEs to communicate their business problems related to energy efficiency and use of renewable energy resources in production and operations to partners, R&D organisations and stakeholders;
- To develop customised solutions according to these needs.

The core of the project was innovation in and for SMEs, including knowledge management and customisation of available technologies in SMEs.

Project results

CO-EFFICIENT web portal and Knowledge database - one place that includes best practices and key technologies in the number of closely connected areas. The knowledge database is a part of the Project's web page that provides easy access to a vast amount of information about renewable energy sources and energy efficiency, transport and production optimisation, carbon footprint decrease, etc.

CO – EFFICIENT certificates – more than 50 basic and advanced certificates awarded to companies recognising excellence in energy efficiency best practices and measures implementation.

Business model for Living Lab set up – specific model consisting of 7 phases aiming to support the formation of two Living Labs, eServices and Energy Efficiency developed.

Living Labs – 2 international Living Labs comprising of 5 national Living Labs and involving over 75 stakeholders established. Living Labs used for testing existing solutions in transport and production optimisation and document dematerialisation (eServices Living Lab) and for the development of new solutions for increasing energy efficiency in transport and production processes of SMEs (Energy Efficiency Living Lab)

eServices – existing software solutions for supply chain and logistics processes coordination tested in real life environment, customised to the MED area manufacturing and logistics SMEs and made available through CO-EFFICIENT web portal with localised user manuals provided.

Analytical tool - gives reference values about energy efficiency in identified key areas. The tool also provides reference values, in key areas with the potential for the increased use of renewable energy sources, for SMEs. It is a part of web portal, closely connected with Knowledge database and certification process.

All this results, further information and Project's deliverables can be found at: <http://coefficient-project.eu/>