

Driving Investments in Energy Efficiency with Energy Savings Insurance model

EU Smart City Marketplace
Action Cluster meeting Business Models & Finance

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 785061



About BASE



20
years



*Driving investment in
climate solutions*

BASE is a Swiss not-for-profit foundation and a Specialized Partner of UN Environment.

We develop innovative, actionable financial strategies and market-driven solutions to unlock investment in sustainable energies and to tackle climate change.

About ESI model



In a nutshell:

The ESI model was designed to **mobilise investments in EE** (by SMEs) by creating trust in the **future energy savings** through a combination of **financial** (**insurance** and **financing**) and **non-financial** (**standardised contract** with guaranteed savings and independent **technical validation**) **mechanisms**.



The ESI Europe project has received funding from the European Union's Horizon 2020 research and innovation programme to roll out the successful ESI Model developed in Latin America in Italy, Portugal and Spain (expanding to Croatia, Greece and Slovakia with ESI Europe 2.0).

About ESI Europe Project



GOAL: Development of the **Energy Savings Insurance (ESI) Model** in Italy, Portugal, and Spain

The expected outputs:

- Setting up the mechanisms of the model, and **capacity building** of market stakeholders
- Mobilising **private investments** in energy efficiency, with special attention to Small and Medium sized Enterprises (SMEs)
- Development of marketing material (GoSafe with ESI brand), a **Management Information System (MIS)** an **dissemination material** for fruther replication

Consortium partners:

ESI Europe 1.0:



ESI Europe 2.0:



How it works



1. PREPARATION PHASE

An energy efficiency technology provider offers a project with guaranteed energy savings.



2. CONTRACT ACTIVATION

A third-party validation entity evaluates the project's energy savings.

The insurance company covers the validated energy savings, and the contract is activated.

3. IMPLEMENTATION PHASE

The technology provider installs the energy efficient equipment, and the validation entity validates on-site it is according to the contract.



How it works



4. OPERATION PHASE

The operation of the new equipment results in reduced energy costs and improved productivity.

Maintenance services by the technology provider ensures that the equipment is operating optimally.



5. SAVINGS MONITORING

The energy savings are measured and reported by the technology provider via a simple online system where they are checked and can be approved.



6. INSURANCE COVERAGE

In case of disagreements on the savings achieved, the validation entity steps in as an arbiter.

If the savings are not achieved, and the technology provider is not able to respond, the insurance covers the guaranteed savings.



Online Platform



A functional interface developed to facilitate the workflow and information access of the different key actors of the energy efficiency project.



The main characteristics are:

- } **DEVELOPED IN BLOCKCHAIN**
Increased transparency, trust, traceability and reliability of information
- } **PROJECT PROCESS**
It registers information and actions of the project: proposal validation, contract activation, installation validation and monitoring reports
- } **TAILORED ACCESS**
Accessed by TPs, Clients, Validation Entity, Insurance companies and Financial Institutions

Future application and developments possible:

- } Linking with monitoring system and energy measurement
- } Energy savings and emission reduction reporting systems (alignment with ESG and EU Taxonomy)
- } Smart contract for the guarantee mechanism
- }

THANK YOU!

www.gosafe-esi.com



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Programme coordinator:



National coordinator in Italy, Portugal and Spain:

