



SUSTAINABLE CONSTRUCTION

in Andalusia



Now Andalusia is A.



European Union
European Regional
Development Fund





WHY A SUSTAINABLE CONSTRUCTION PROGRAMME IN ANDALUSIA?

Objective and regulations of the EU: Specialisation in energy saving and efficiency and use of renewable energies.

Agreement for **Social and Economic Progress** of Andalusia.

Relevance of the **construction sector**: 8.5% GVA and 5% employment, major energy consumer.

Urgent need **to boost** the sector with **all available means**.

Potential **energy saving and efficiency** in building stock.





THE INCENTIVES PROGRAMME. COLLABORATING COMPANIES LOCATOR





THE INCENTIVES PROGRAMME. KEYS

48 possible actions.

Decentralized management.



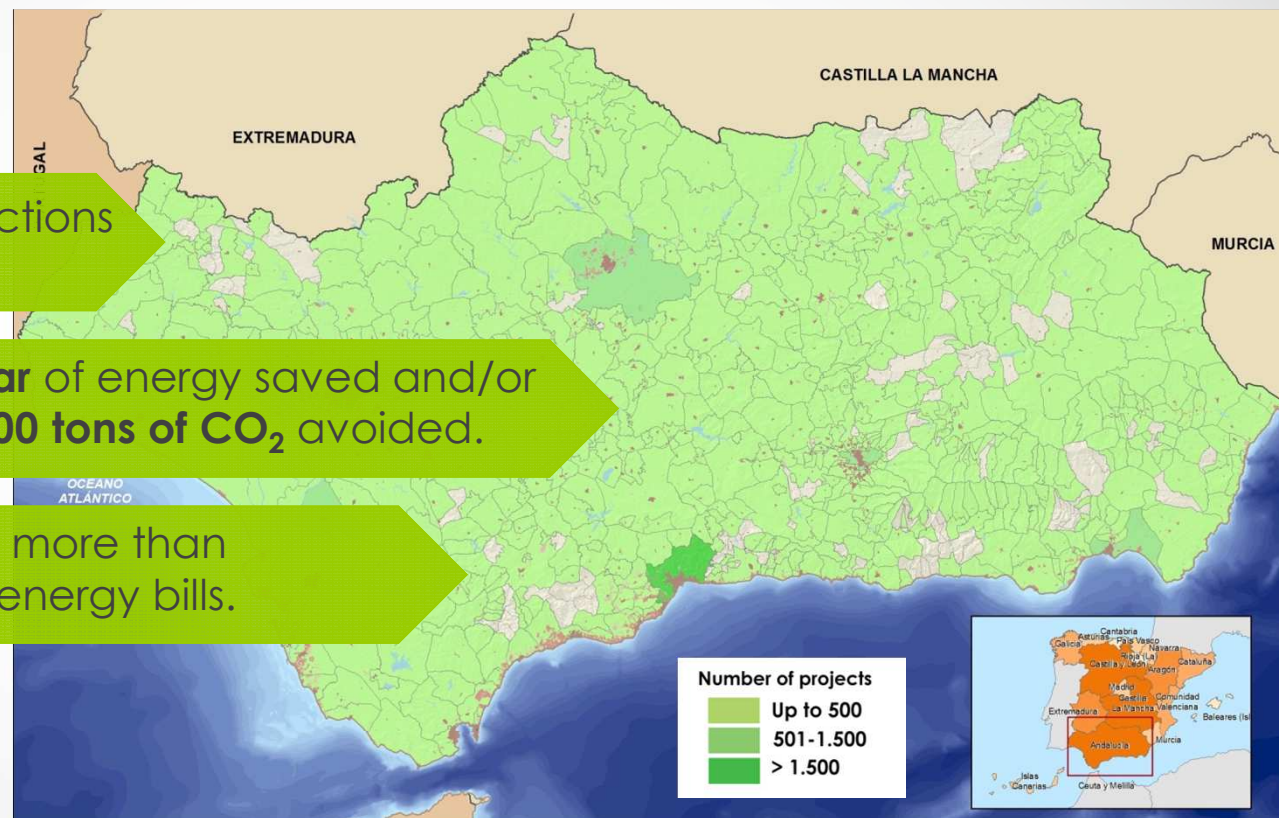


THE INCENTIVES PROGRAMME. IMPACT AND FINAL RESULTS I

More than **36,000** actions implemented.

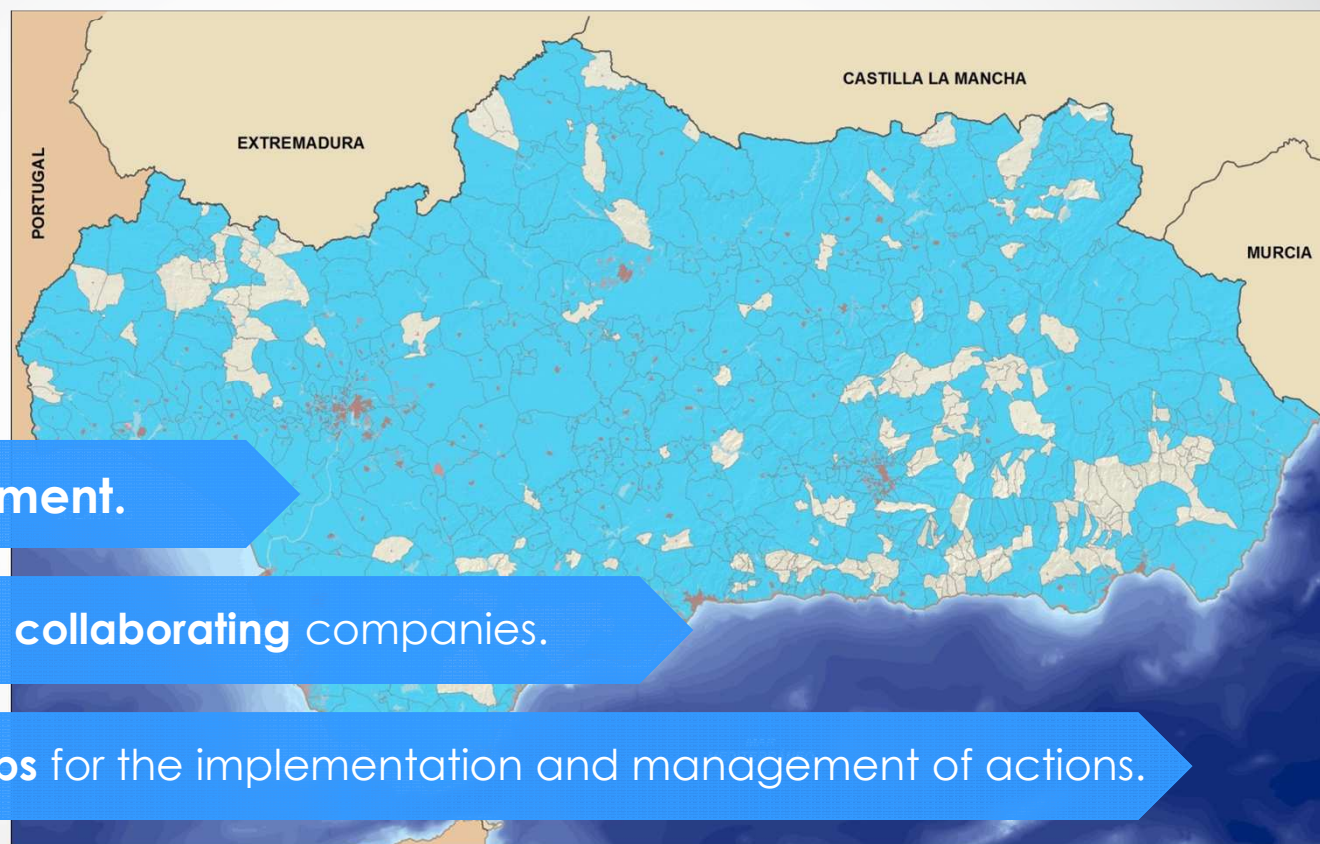
Near **36,000 toe/year** of energy saved and/or diversified and **85,000 tons of CO₂** avoided.

Economic saving of more than **280 million euros** in energy bills.





THE INCENTIVES PROGRAMME. IMPACT AND FINAL RESULTS II



242 M€ investment.

More than **8,300 collaborating** companies.

17,000 direct jobs for the implementation and management of actions.



THE INCENTIVES PROGRAMME. EVALUATION OF RESULTS I

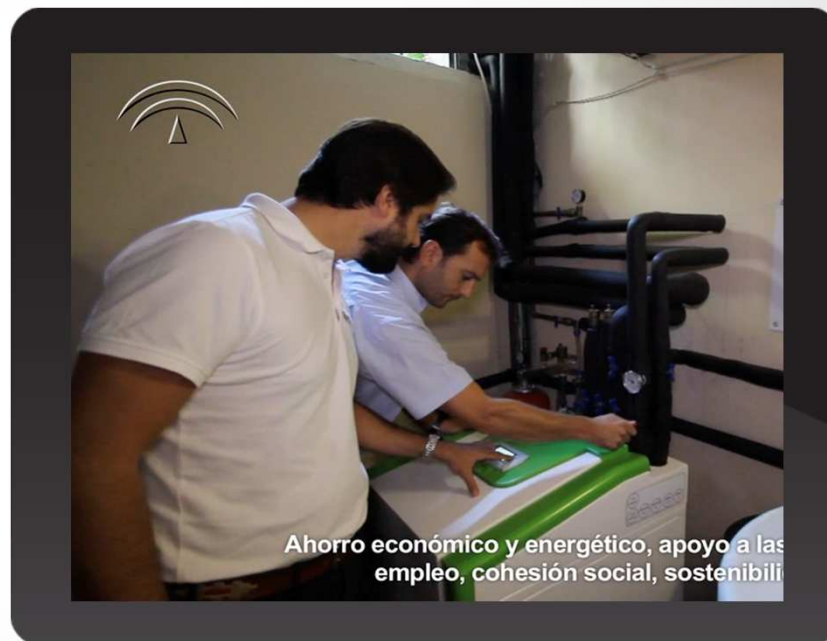
Most positive elements: COLLABORATING PARTNER COMPANIES



Increased activity (93%) and incidence in the creation and / or maintenance of **employment** (60%).



Better **strategic positioning** towards the creation of value and improvement of **business development** (74%).





THE INCENTIVES PROGRAMME. EVALUATION OF RESULTS II

Most positive elements: BENEFICIARIES



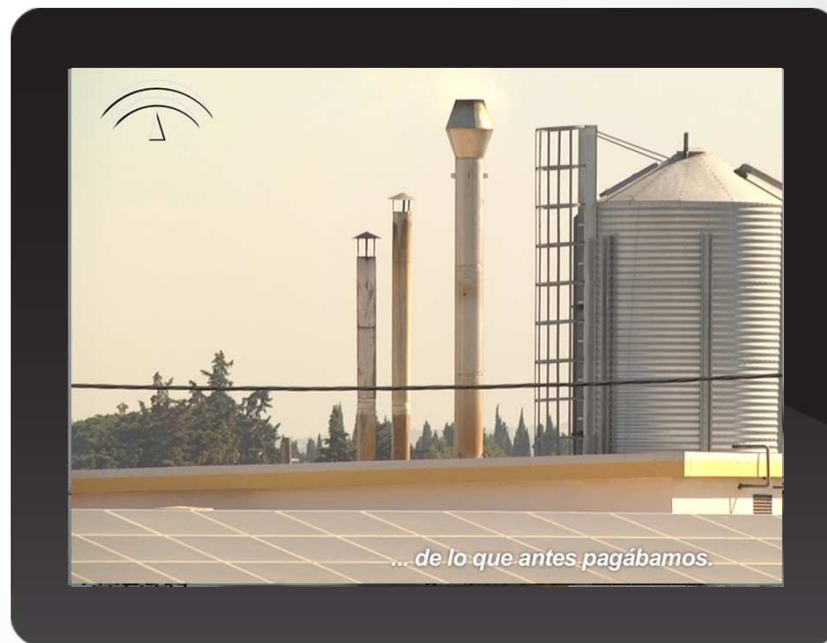
Management model through the collaborating companies (90%).



Contribution to raising awareness of the energy consumption of homes/buildings and the need to adopt energy improvement measures (87%).



Have recommended or would **recommend improvement measures and admit the action implemented** has affected in the degree of comfort or quality of life (90%).





AREAS OF IMPROVEMENT

Improve the **training of collaborating partner companies** relating to the documentation requirements needed for justification purposes

Conduct a **pre- and post-analysis** of the **energy impact** of the action performed.



Facilitate **additional funding.**

Better **training and information** on the elements of programme management, particularly those relating to justification tasks.



NEW ORIENTATIONS

The keys that remain:

Only instrument for incentives	Open call
Many options for improvement	Low minimum investments
Range of beneficiaries of activity sectors	Collaborating partner companies



More simplification

- A **single procedure**, simpler.
- **Facilitates access to incentives**, fewer documentary obligations.
- **New classification of actions**, clearer and more complete.



Better energy culture

- **New technical conditions** of energy saving and satisfying needs.
- Possibility of opting for **more sustainable, energetic and environmental solutions**.

More guarantees

- **Clear delimiting of conditions**, and audits, projects as eligible costs.
- New **collaborating partner companies** that **certify the impact** and adequacy of the actions.



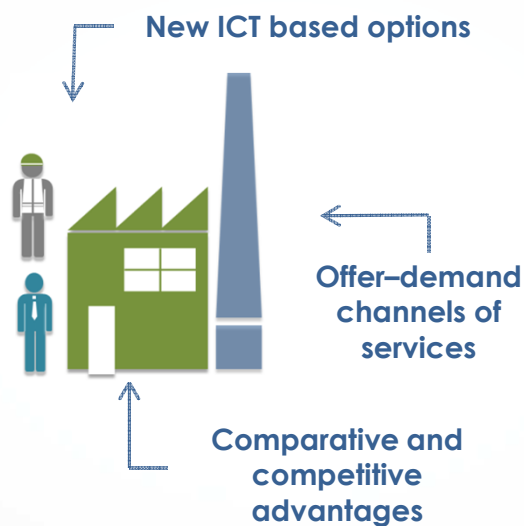


HELPING TO CREATE VALUE, VALUE, VALUE....

HOUSES WITH ENERGY



MORE EFFICIENT SMEs



MORE SUSTAINABLE CITIES



BETTER EVALUATION
OF **NEEDS**

MORE COMPLETE AND
EFFECTIVE SOLUTIONS

MONITORING OF THE
RESULTS



PRINCIPLE OF GOVERNANCE





THREE PROGRAMMES FOR SPECIALISATION

Energy rehabilitation of buildings, lighting architecture, renewable energies, energy improvement of installations in buildings and cities.

SUSTAINABLE CONSTRUCTION

OPPORTUNITIES FOR
INDUSTRIAL AND BUSINESS
DEVELOPMENT



SUSTAINABLE SMEs

BETTER OFFER OF
GOODS AND
SERVICES

Energy improvement of processes, renewable energies, cogeneration, residual heat and energy efficiency. Use of ITC and implementation of Energy Management Systems. Communication of the sustainability.

SUSTAINABLE
AND
CONNECTED CITY

SUSTAINABLE
BUILDINGS FOR
SMART CITIES

SMART GRIDS

Intelligence in electric grids, quality of supply, sustainable mobility, acquisition and charging of alternative vehicles, renewable energies for mobility. Citizen awareness.



80 PROPOSALS FOR ENERGY IMPROVEMENT



SUSTAINABLE SMEs

For the efficiency and green image of companies

- **Energy generation** using Renewable Energy. Optimisation.
- Treatment and logistics of **biomass**.
- Energy improvement in the processes, from the renewal of systems to the **advanced solutions**.
- **Cogeneration** and its optimisation.
- **Smart solutions** for energy management.
- Putting in value the **e-environment commitment**.
- Development of the **energy services market**.
- **Viability assessment**, for financing.



SUSTAINABLE CONSTRUCTION

Our specialisation

- **Complete solutions** of insulation.
- Modern systems of **solar protection**.
- **Lighting architecture**: lighting design for interior, exterior or landscape.
- **Bioclimatic** options: warmth and freshness, naturally.
- Towards **nearly zero energy buildings**.
- Generation through Renewable Energy for **self-consumption**. Optimisation.
- From facilities to **energy efficient systems**.
- **Energy management**, also in the digital home.



SMART GRIDS

To connect energy and people

- Implementation of **smart grids**.
- E - projects integrated in **global actions** in smart cities.
- Improvement of the **quality of supply** and infrastructure for the integration of renewable energies.
- Installations for the supply of **e – fuels**, better with Renewable Energies.
- **E-vehicles** of public interest.
- Measures for **sustainable mobility**, also in the last mile.
- **Dissemination** actions among citizens.



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JUNTA DE ANDALUCÍA

Living
Andalusia





THE IMPACT WE EXPECT



TOTAL BUDGET

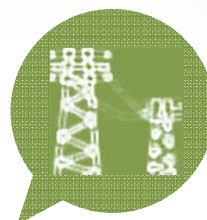
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MILLION EUROS



8,000

PARTNER COMPANIES



INVESTMENT OF

1,200

MILLION EUROS

ECONOMIC SAVING

2,300

MILLION EUROS

204,450

TOE/YEAR OF ENERGY SAVING

436,456 TONS/YEAR

CO₂

EMMISSIONS AVOIDED



**SUSTAINABLE
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Living
Andalusia 

**Thank you very much
for your attention.**

