



# SUSTAINABLE CONSTRUCTION

in Andalusia



Now Andalusia is A.





# 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.

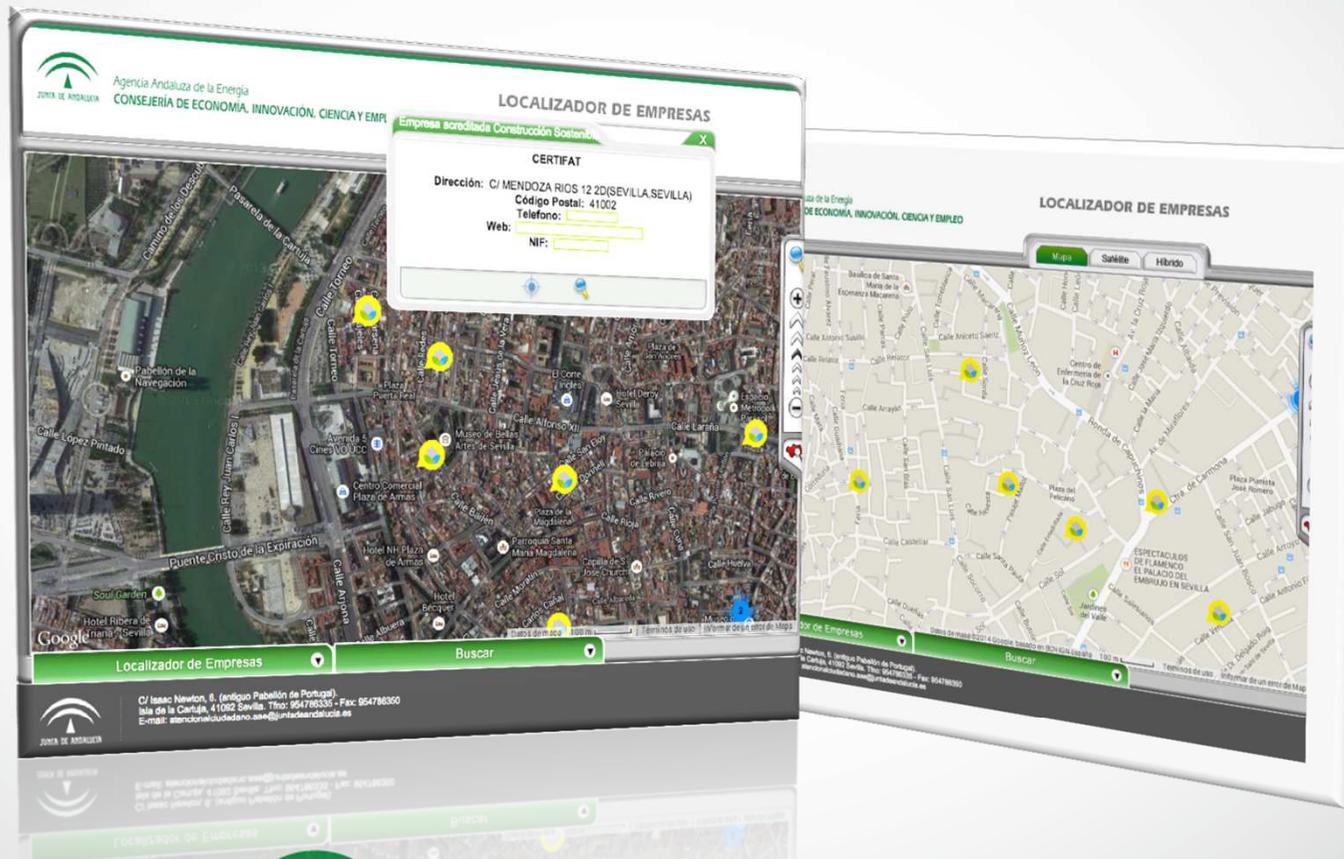
Urgent need **to boost** the sector with **all available means**.

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





# THE INCENTIVES PROGRAMME. COLLABORATING COMPANIES LOCATOR



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# THE INCENTIVES PROGRAMME. KEYS

48 possible actions.

Decentralized management.



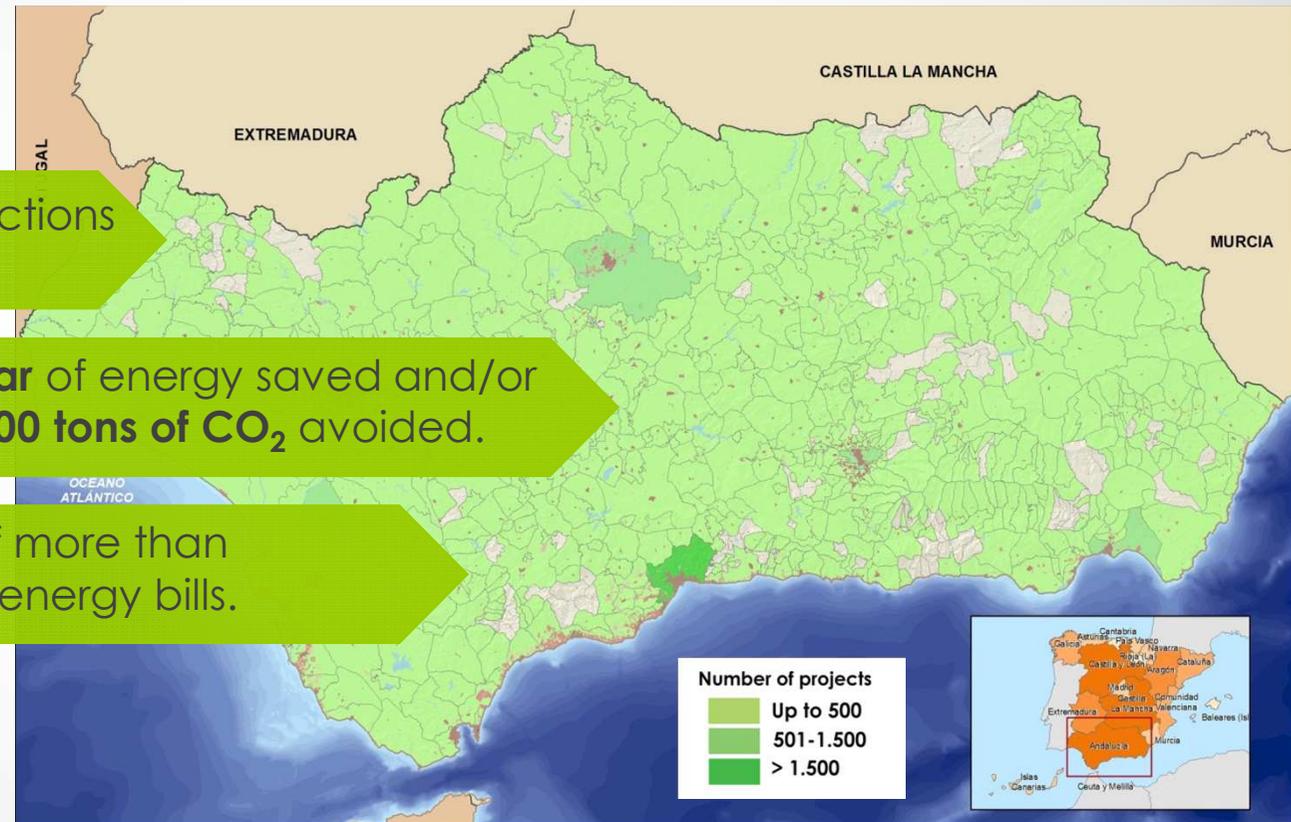


# THE INCENTIVES PROGRAMME. IMPACT AND FINAL RESULTS I

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

Near **36,000 toe/year** of energy saved and/or diversified and **85,000 tons of CO<sub>2</sub>** 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

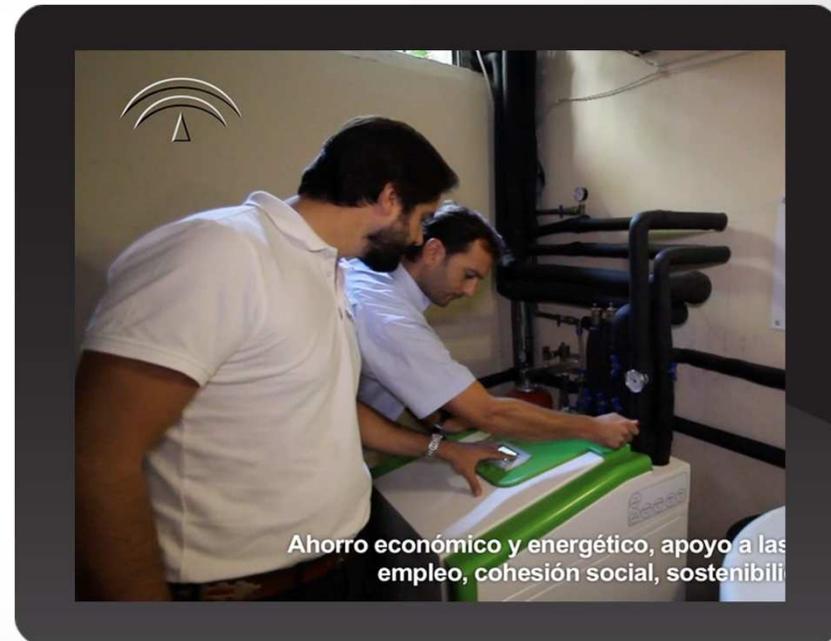
## Most positive elements: COLLABORATING PARTNER COMPANIES



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](#)



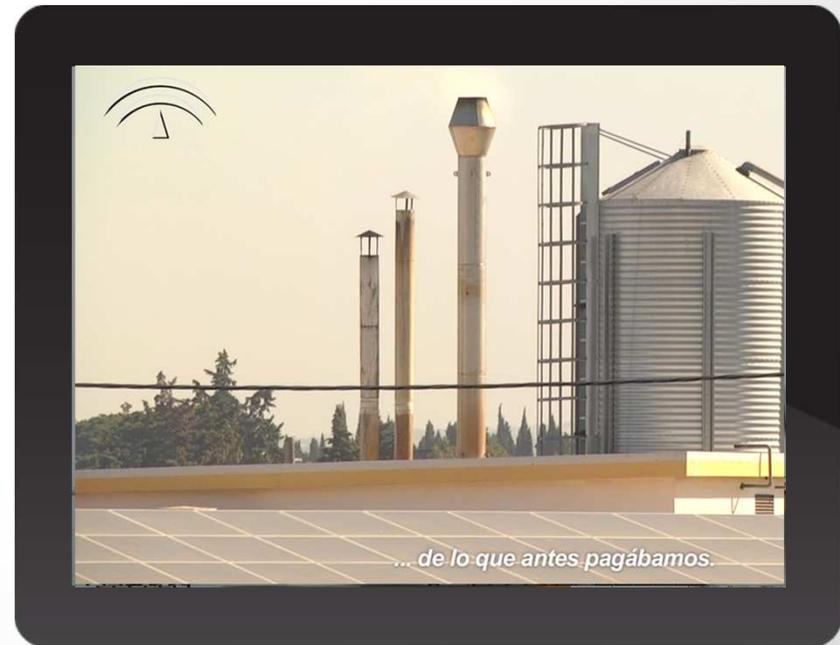
**Management model** through the **collaborating companies** (90%).



**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

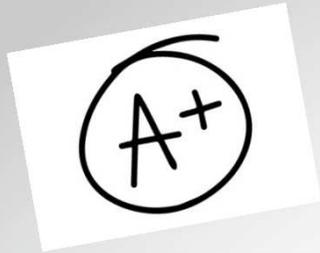
Conduct a **pre- and post-analysis** of the **energy impact** of the action performed.



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.



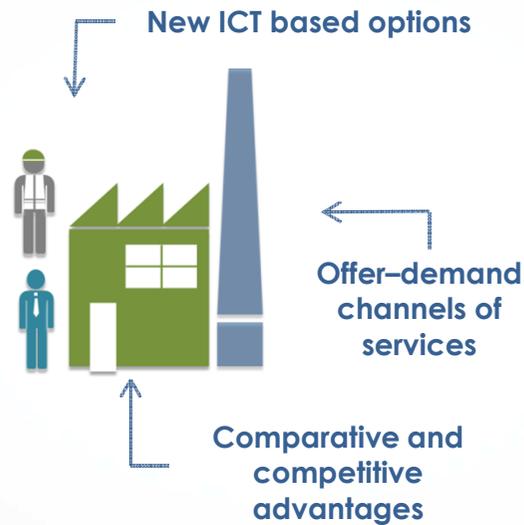


# HELPING TO CREATE VALUE, VALUE, VALUE....

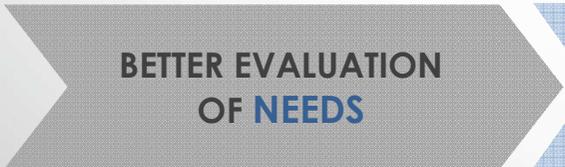
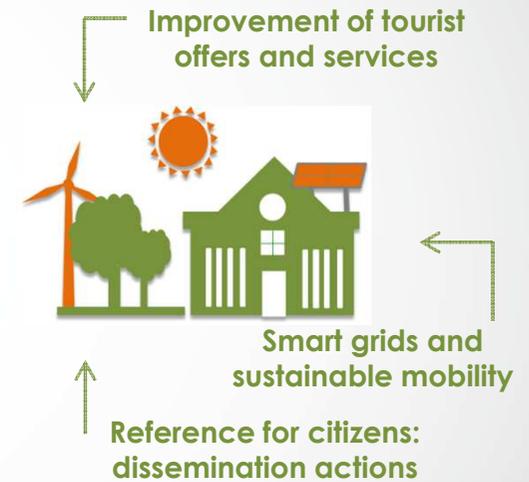
## HOUSES WITH ENERGY



## MORE EFFICIENT SMEs



## MORE SUSTAINABLE CITIES





# 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

SUSTAINABLE AND CONNECTED CITY

SUSTAINABLE BUILDINGS FOR SMART CITIES

### SMART GRIDS



*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.*

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



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# 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.





## THE IMPACT WE EXPECT



TOTAL BUDGET

**231**

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

**CO<sub>2</sub>**

EMMISONS AVOIDED



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# SUSTAINABLE CONSTRUCTION in Andalusia



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Thank you very much  
for your attention.

