







Training of solar photovoltaic installers for people at risk of social exclusion

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WHY IT WAS IMPLEMENTED



European Union European Regional Development Fund

Increasing nº RES installations (self-consumption) require increasing nº workers

Risk of social exclusion people (energy poverty) has difficulties in entering the labour market

ECOOO

Non-profit renewable energy company
The promoter

UTE HAZ SOLAR

Union of 2 insertion companies:

- Amoverse → Foundation Manresa
- El Zaguán

Insertion of people in situation of social vulnerability in the renewable energy and self-consumption labour market

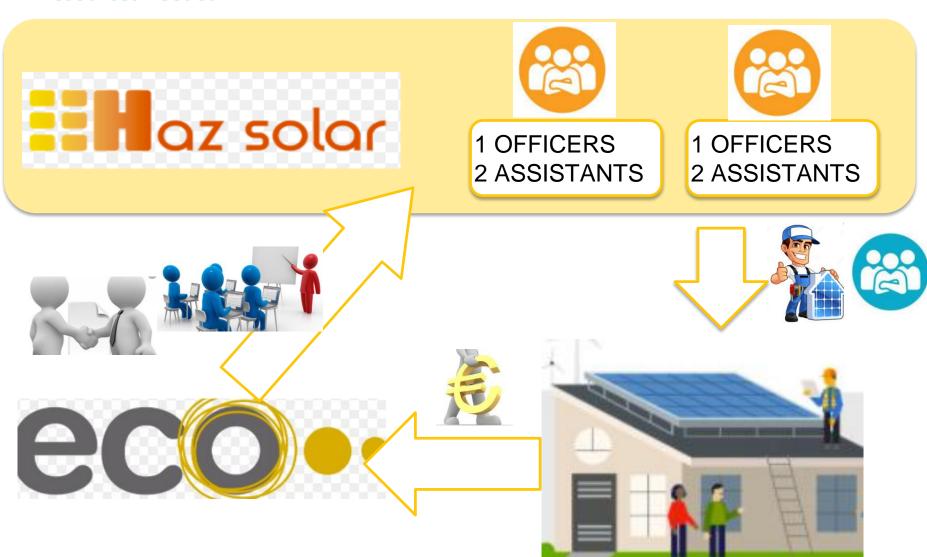
- more just society
- promoting the energy transition
- sustainable
- decentralised
- energy qualified technical

HOW IT WAS IMPLEMENTED





→ Resources needed:



SUPPORT





→ With what kind of private resources?



- 1 Manager from UTE HAZ SOLAR
- 1 Manager from ECOOO
- 1 Communication and sales profile
- supported by both organizations

→ With what kind of public support?

- Only received the support of a hiring subsidy from the Community of Madrid (8,000€ during 2 years) for the promotion of employment, not for the promotion of the project.
- Now applied the support of "Green employment assistance" from Fundacion Biodiversidad (Public foundation attached to the Ministry for Ecological Transition) to finance the hiring of new people in green jobs, which is still in process (€ 1,900 - € 3,400 per contract)



BARRIERS

- POWERTY Interreg Europe
- European Union European Regional Development Fund

- Difficulty finding an officer profile with experience and a vocation for training
- To achieve an adequate workload that allows the full-time hiring of a team of 3 people
- Constant technical support is necessary at the beginning of the learning stage. <u>Necessary investment</u> by engineering to do this monitoring
- It requires specialized technical training and it's difficult to find financing. Especially in relation to PRL: work at height and electrical risk
- <u>Management support is necessary</u>: management support of the company to carry out invoices, purchases of electrical materials, logistics, commercial procedures...
- A period of initial accompaniment is necessary in the first works by a company specialized in the sector



THE IMPACT OF THIS GP AND RESULTS



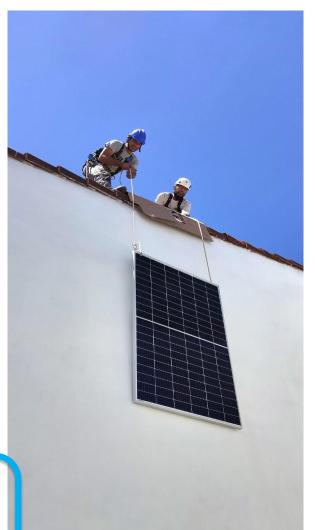


- Creation of the <u>first company</u> (UTE HAZ SOLAR) of photovoltaic installers
- Hiring of <u>6 people</u> in vulnerable situations with a view to their professional training and their insertion in the ordinary market
- From 6 photovoltaic installations in single family homes → to 46 installations
- The <u>total installed power amounts to <u>100kW</u>. More than 80% of installations correspond to homes for residential use. The rest are organizations</u>
- High degree of customer satisfaction both in terms of the quality of the installation and for the humane treatment of the team members



2019: 7,275.50 €

• 2020: 62,021.30 €



REPLICABILITY AND TRANSFERABILITY





→ What they would need to do to implement a similar training scheme?

Select <u>3 people</u>, with a medium and low-medium <u>level of qualification</u>, which fit perfectly with many of the profiles of the users of insertion companies → 3 people-teams

Implement a training curriculum based on training for Officers and Assistants composed by:

- Basic fundamentals of electricity (60h)
- Electricity for direct and alternating current circuits (60h)
- Basis electricity for building electrification projects (60h)
- Electrical installations of BT in buildings (70h)
- Assembly and maintenance of low voltage electrical installations (60h)
- Maintenance of PV solar installations (60h)
- Prevention of Occupational Hazards (40h): work at height, electrical risk and metal sector





REPLICABILITY AND TRANSFERABILITY



- → Do you know if your good practice inspired similar initiatives?
- Caritas España
- FAEDEI

→ Is UTE HAZ SOLAR going to expand?

Creation of new 3 people-team, supervised by ECOOO & UTE HAZ SOLAR, to attract new projects and teach Officers for having more installations to be done















Interreg Europe

Thank you for your attention!



European Union European Regional Development Fund



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More information about ECOOO (here) and POWERTY project (here)







Project smedia