Installer Qualification on Solar Heating Systems – Progress in Italy

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QualiSOL - project

Altener project

Project duration: March 2001 - September 2002

I: Ambiente Italia (coordinator)
   ECIPA, ANIM

D: target gmbh

NL: sol*id
   (Ecofys)

P: INETI
   SPES
Results of QualiSOL Italy (1)

1. Training concept QualiSOL
   • 16 hour course for installers
   • 20 hour course for engineers, architects, etc.

Content

1. Introduction: market – state of the art – best practice installations

2. Basics: solar energy - collector - components - systems

3. Design and realisation: planning - installation - commissioning - maintenance – legal aspects

4. Marketing: marketing – cost/benefit analysis

QualiSOL Guideline
Deliverables of QualiSOL Italy (2)

2. Training material

- Technical manual for trainees
- 200 slides of professional quality
- CD for trainers
- Set of components
- Mini solar system
- Support material for course organisers
Deliverables of QualiSOL Italy (3)

3. Kick-off

14 pilot courses with more than 350 professionals qualified
How to use QualiSOL?

Kick-off package for installer qualification:
• didactic materials
• training of trainers
• pilot course
• follow-up

Collaboration offer:
• energy agencies
• handicraft associations
• public administrations
How to use QualiSOL?

Qualification course

‘Gli impianti solari termici negli edifici - dal progetto alla realizzazione’

addressed to planners, engineers, architects, ecc.
organised by ISES Italia and Ambiente Italia

Collaboration offer to:
• energy agencies
• ordini professionali (chambers)
• public administration
The ‘Solar Pass Label’ for qualified installers

Solar Pass Installa:
- registered in the chamber of commerce
- participated at a qualification course

promoted by

QualiSOL
Evaluation of the approach

Advantages:

• very operative
• independent from policy and subsidies
• suitable for local initiatives
• very good acceptance
• base for a future ‘official scheme’

Disadvantages:

• not official
• moderate diffusion compared to well-organised national approaches
Conclusions and Outlook

Project phase:
• creation of the basic infrastructure
• creation of the basic partnerships and agreements
• 14 courses with 350 qualified professionals in 2 years

⇒ Implementation phase
- pilot courses in cooperation with installer associations from all over Italy
- installer qualification as part of local campaigns
- new diffusion channels (professional schools)
- advanced didactic modules