



Contract No: TREN/07/FP6EN/S07.68923/038659 HIGH-COMBI

HIGH-COMBI

**HIGH SOLAR FRACTION HEATING AND COOLING SYSTEMS
WITH COMBINATION OF INNOVATIVE COMPONENTS AND
METHODS**

www.highcombi.eu

Instrument: STREP
Thematic Priority: Sustainable Energy Systems

Workpackage WP 4, Deliverable D23

"Italian Workshop Report"

Due Date: December 2011 (Month 55)
Submission Date: December 2011 (Month 55)

Start date of project: June 1st, 2007
Duration: 55 months

Lead contractor for this deliverable:
Centre for Renewable Energy Sources and Saving (CRES)

Project co-funded by the European Commission within the Sixth Framework Programme (2002-2006)		
Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission)	
RE	Restricted to a group specified by the consortium (including the Commission)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

TITLE OF THE WORKSHOP

ADDRESS / DATE OF EVENT

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1. WORKSHOP TABLE FACT SHEET

Event type	Workshop		
Event title	Verso gli edifici a Energia Zero		
Date	06/12/2011	Time	10.00
Event organisers	Provincia di Milano		
Address	Tribune Idroscalo – Sala Torre		
City	Milano	Country	Italy
No. Attendees	39		

2. OVERVIEW - MAIN OBJECTIVES OF THE EVENT

The workshop organised by Provincia di Milano on December, 6th aimed at presenting the High Combi plant to other local administration, which might eventually replicate the initiative, and to technicians.

Local administrations are considered to be an important player in the dissemination and replication of initiatives regarding renewable energies and have therefore been warmly invited to take part in the workshop.

In order to involve participants as much as possible a theoretical description of the plant was given at first and, later, a technical visit was offered.

3. DESCRIPTION OF THE EVENT

The event took place at Idroscalo, where the High Combi plant is installed.

The first part consisted of a seminar, where personnel from both Italian partners (Politecnico di Milano and Provincia di Milano) gave presentations. An overview on solar cooling technology and market was provided first, a technical description of the High Combi plant followed. Provincia di Milano explained the reasons for investing money in solar cooling technology, explaining benefits and environmental benefits, as well as the environmental and energy policy of the Administration. The last presentation was given by a Politecnico professor with regard to the future development of building technologies for energy saving and renewable energy generation.

The second part of the workshop took place inside and outside the High Combi building and gave the opportunity to show all components of the system. Thanks to good weather participants had the chance to see the system running.

Pictures and event program are attached.

4. ATTENDEES PROFILE

Participants were divided into the following categories:

- members of municipalities (technicians): 12
- members of municipalities (policy makers): 10
- other technicians (e.g. Science Museum "Leonardo da Vinci" of Milano): 4
- journalists: 2
- technicians of Provincia di Milano: 6
- researchers and students of Politecnico di Milano: 5

A complete list of participants is not available, nevertheless part of them have been listed in Annex I.

5. EVALUATION OF THE EVENT

- Global quality: good. Participants were satisfied with the workshop, both in terms of logistic organisation and technical contents.
- Satisfaction level: no feed-back has been requested.
- Interest/Relevance: the project partners think that the workshop was relevant for at least two reasons:
 - municipalities participating in the workshop may in the future replicate the initiative;
 - awareness towards solar cooling has been arisen among technicians of municipalities, university and other institutions.
- Duration: the event last all in all the whole morning, including lunch break.
- Schedule: although the workshop was organised during the week out of Milano (in order to include a technical visit), participation was satisfactory. The good weather made the technical visit very profitable.
- Methodology: a theoretical presentation followed by a technical visit seems an effective way of involving participants.
- Documentation: a general presentation of the project was provided to each participant.
- Organisation: organisation was satisfactory in terms of timing and logistics. The transfer from the seminar room to the High Combi plant was quick. A lunch break was offered to the participants, who had the chance to exchange ideas with the High Combi project partners.

6. CONCLUSIONS

The presentations were very interesting and caught the interest of participants.

There was great interest towards the High Combi demo plant and the advanced technologies applied. A lot of questions arose during the visit on the High Combi plant and the Zero Energy target.

Many questions regarded availability and costs of solar technologies.

A lot of participants asked about the results of monitoring activity, which will be updated continuously.

Other questions were strictly related to the engineering solutions applied in the plant.

The workshop can be replicated and many people that couldn't participate mainly for previous business obligations (the end of the year sees usually a concentration of meetings and business travels) asked to replicate the visits to the plant, specially in spring/summer to appreciate the behaviour of the solar system.

ANNEXES

- List of participants
- Workshop programme (Locandina High Combi.pdf)
- Workshop pictures (Pictures.zip)
- Technical visit pictures (Pictures.zip)
- Presentatoin by Aristotelis Aidonis (Presentazione Aidonis.pdf)
- Presentation by Marco Calderoni (Presentazione Calderoni.pdf)

Annex I – List of participants

Some attendees:

Giuliano Dall'O'	Sacert Director
Guido Ghirardi	ESCO Manager
Aurelia Destro	ESCO Manager
IMET representative	ESCO Designer
Mario de Renzio	Energy Consultant – FIRE/ENEA
Luca Sarto	Energy Systems Designer
Stefano Tresoldi	Energy Systems Designer
Ing. Torti Francesca	ESCO Designer
Group of Covenant of Majors	
Paola Fragnito	Energy Consultant
Giuseppe Giambersio	Provincia di Milano
Stefano Bardo	Provincia di Milano
Paolo Timoni	Energy Systems Designer
Manuela Tosi	
Giuseppe Bono	
Gianandrea Garavaglia	architect
Giovanni Belloni	Provincia di Milano
Ernesto Garagiola	Provincia di Milano
Raffaella Balasso	Energy Manager
Anne Ingeborg Van Lujn	Energy Consultant
Stefano Zenucchi	Energy Systems Designer
Emilio Della Moretta	Energy Systems Installer
Cristina Stancari	Provincia di Milano Asector Environment and Energy
Marcello Magnocavallo	A2A Energy Company Manager (Energy utility)

Someone participated just at the visit on the plant (which extended also in the afternoon) Someone attended only the Workshop.