

Publishable executive summary

-Reporting period 2-

Project objectives

The main objective of STACCATO (Sustainable Technologies and Combined Community Approaches Take Off) is to accelerate the transition from conventional energy supplies to sustainable energy supplies in existing housing areas. STACCATO is a Concerto-project and started on 8 November 2007 with an intended duration of 60 months. The main objective of the project can be divided into four subcategories:

- to achieve more than 50% savings on energy;
- to attain large scale integration of renewable energy;
- preparation of district heating allowing compatibility with future energy systems;
- to build up large scale capacity in order to attract follow up projects.

Three ambitious demonstration sites will be realised within STACCATO. These demonstration sites are located in Amsterdam (The Netherlands), Budapest (Hungary) and Sofia (Bulgaria). These sites are characterized by post-war housing. They consist of 400 to 1,200 apartments each, connected to (local) district heating. Along with the buildings the energy supply will also be renovated.

Contractors involved

The table below gives an overview of the contractors involved in this project.

STACCATO Consortium partners		
Eneco	Obuda-Békásmegyer	UP: Owners BG
SDAN	Enemona	JSC EKSERGIJA
Ecofys	CEU	UKA
Eigen Haard	Energie-Cités	Nieuwegein
Ymere	Faluhaz: association of owners HU	Pulawy
IVAM	BlueLink	Ehosz
Beco	Oborishte	OBU
Energia Klub	BHA	Djadadji
DIGH		

Coordinator details

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Work performed

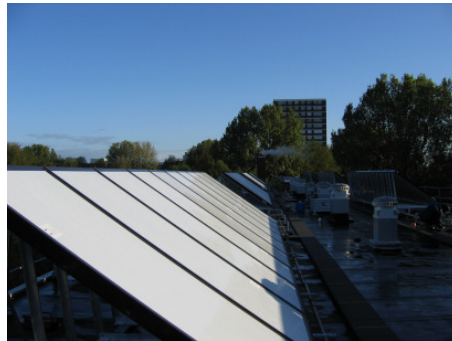
Demonstration in Hungary

STACCATO's second year has been exemplified by the tremendously successful results at the Budapest demonstration site (see picture below). In six months 900 dwellings have been renovated, the energy system has been renewed and the construction of 1,500 m² solar collectors completed. The project was finished by November 2009 and the Ceremonial Opening took place on the 15 December 2009.



Demonstration in The Netherlands

In Amsterdam the renovation of 1,176 dwellings began in May 2008. Unfortunately due to problems with the tenants the renovation of the dwellings stopped after the refurbishment of 30 of these dwellings. However renovation of the energy system and the roof continued unhindered. Fifty percent of the energy distribution system (app. 8 km) was replaced. The first boiler house has been renewed and 354 m² of solar collectors have been strategically placed on adjoining roof areas (see pictures below).



Demonstration in Bulgaria

In Bulgaria the partners have been working on a revised plan 'Moving ahead in Bulgaria with STACCATO'. They have divided the project into a pilot site of 65 dwellings with a follow up that will consist of 300 dwellings. STACCATO's second year has been used to select the housing blocks for the pilot site and a proposal has been created in order to attract National funding for the set pilot site.

Project management, associate communities, research and dissemination of information

In the second year of STACCATO we finished our first amendment to the contract and completed the first year's reporting cycle. Year two's reporting started in October 2009. We held one Project Team Meeting and two Steering Committee Meetings. These meetings were combined with visits to the demonstration sites in Hungary and Bulgaria (see pictures below).



Project Team Meeting, Bulgaria



Site visit, Bulgaria



Steering Committee Meeting, Hungary



Site visit, Hungary

STACCATO's project website was launched in October 2009 (see picture below). The website consists of a public area and a partner area. We use the partner area for working on reports etc. The public area gives general information about STACCATO in four languages (English, Hungarian, Bulgarian and Dutch).



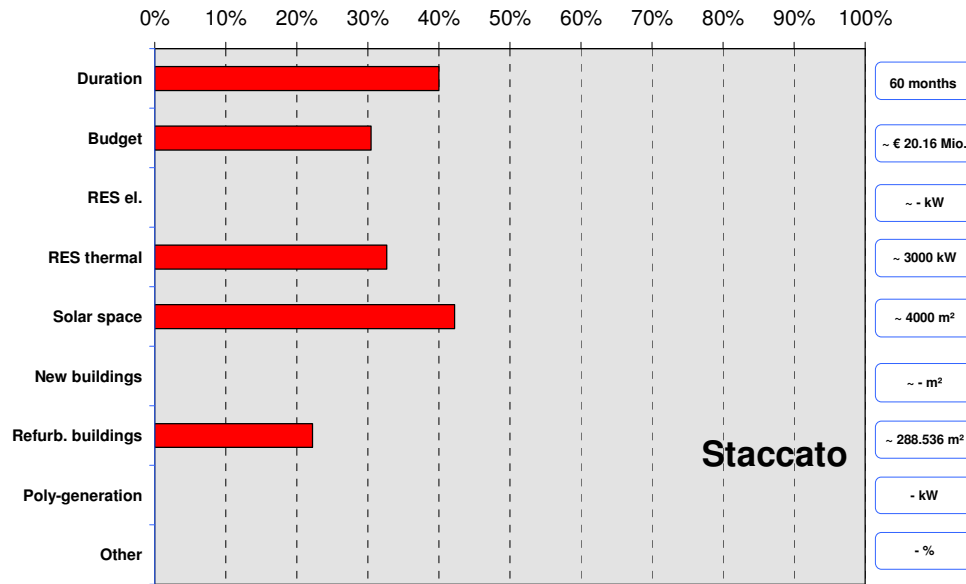
Data	December 2009
Visitors	585
Unique visitors	324
Page views	4735
Average page view	8,09
Average time/visit	6:33 minutes
Direct traffic	45,98%
Referring sites	42,74%
Search engines	11,28%
From country's	20

The website is and will be used for the dissemination of information about the demonstration sites and the work done on research. Preparation for the mid-term conference was also initiated. The results in Obuda have been and are currently being used in a widespread local media campaign. Input was created and delivered for Concerto+'s new brochure and it forthcoming DVD. A number of Concerto+'s meetings have also been attended (E.g. Regional Site Visit and Project Coordinator Meeting).

Technical and socio-economic research has been carried out in relation to the demonstration sites. A good example of this research is energy calculations, the study of energy concepts, the distribution of questionnaires to tenants and the production of reports based on the questionnaires. A monitoring plan has been initiated and the BEST and CDS sheets have been recalculated.

Results achieved so far and expected end results

Based upon graphics devised during preparations for the Project Coordinators Meeting in October 2009 we are able to give an overview of the results achieved and expected end results. The end results are presented on the right hand side of the graph. The results achieved are indicated in terms of percentages by the horizontal red columns. Please see below.



Project logo



STACCATO's project logo:

Project public website

STACCATO's project website: www.concerto-staccato.eu.