

MINUTES (ENGLISH)

Deliverable 2.4

**SUMMERHEAT – Meet cooling demands in
SUMMER by applying HEAT from cogeneration
(EIE/06/194/SI2.439979)**



Minutes of national expert workshop

Demand side

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Contracting bodies:

European Commission/EACI
Federal Ministry of Economics and Labour

Vienna, July 2007

Imprint

Published and produced by: Österreichische Energieagentur – Austrian Energy Agency
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Produced and published in Vienna

Reprint allowed in parts and with detailed reference only. Printed on non-chlorine bleached paper.

Supported by



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Workshop: „District Cooling – Innovative Kühlung und Beitrag zum Klimaschutz“

5th June 2007

Fernwärme Wien GmbH, Vienna

Within the scope of work package 2 of the Summerheat project a first national expert workshop about district cooling was held in cooperation of the Austrian Energy Agency and its project partner, Fernwärme Wien GmbH, on 5th June 2007 in the main building of Fernwärme Wien GmbH. The minutes shall give a short review of this event.

On the topic “District Cooling – Innovative Kühlung und Beitrag zum Klimaschutz” (District Cooling – Innovative way of cooling and contribution to the climate protection”) 47 participants could be welcomed to this first event (see also list of participants at the end). The focus of this workshop was mainly on the demand side. The invitation and promotion strategy aimed therefore particularly at the previously identified target groups of architects, planners as well as construction companies, real estate and building managers, representatives of the public administration and furthermore at energy agencies and consultants. Figure 1 shows the different apportionment of the attendees in percent of the total participants and indicates how the guidelines could be met.

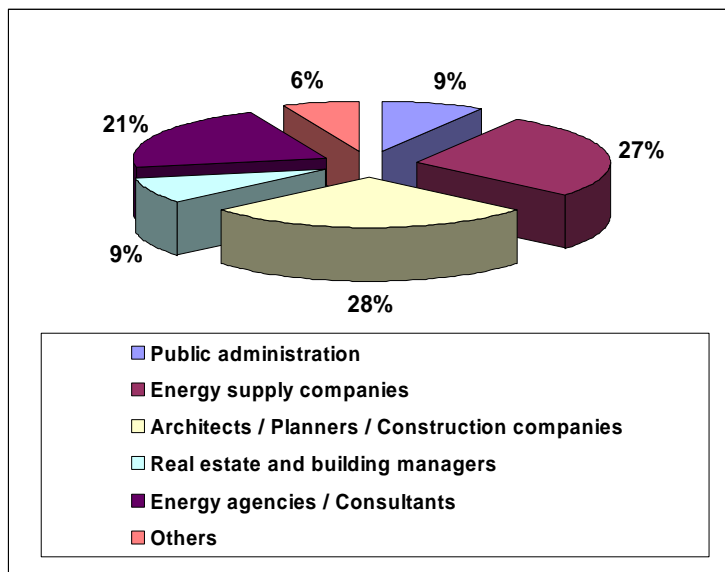


Figure 1: Apportionment of attendees

The workshop aimed to present a general introduction of district cooling and results of work package 2 (WP 2) as well as to point out the opportunities, characteristics and framework of this technology. First results of the work progress of WP 2 concerning technical solutions and framework conditions were presented by the project partners, Austrian Energy Agency and Fernwärme Wien GmbH. These issues and the other objectives of WP 2 could also be covered by the different experts which could be engaged for this workshop (see also updated programme). Due to a large and diversified audience (see also Figure 1) a broad dissemination of the district cooling topic and the matters of the Summerheat project could be achieved.

Updated programme

Introduction and presentation: DI Dr. Günter R. Simader – Austrian Energy Agency

08:30 **Registration and breakfast**

09:00 **Welcome**

Geschäftsführer Ing. Franz Schindelar, Fernwärme Wien GmbH

09:10 **Einstieg der Fernwärme Wien GmbH ins Kältegeschäft**

DI Adolf Penthor, Fernwärme Wien GmbH

09:40 **District Cooling in Europe** (Presentation in English language)

Pär Dalin, Capital Cooling, Sweden

10:10 **Technologien und Rahmenbedingungen für thermische Kälteanlagen**

DI Robert Krawinkler, Austrian Energy Agency

10:40 **Coffee break**

11:10 **Fernkälte – Herausforderungen für die Planung**

DI Hans-Joachim Kast, ILF Beratende Ingenieure, München - Wien

11:40 **Klimarelevanz der Fernkälte für die Stadt Wien**

DI Dr. Robert Friedbacher, Magistratsdirektion Klimaschutzkoordination, Magistrat der Stadt Wien

11:50 **Argumente für Fernkälte aus der Sicht der Stadtplanung**

DI Kurt Mittringer, Koordinator STEP 05, MA 18, Magistrat der Stadt Wien

12:00 **Lunch**

13:00 **Site visit**

- Visit of the first Vienna district cooling network in „TownTown“ in Vienna – Erdberg

16:00

Presentations

The workshop started with a presentation from Fernwärme Wien GmbH about their entrance into the district cooling market including also an introduction to the first Vienna district cooling network which was visited in the afternoon. Presentations about planning and implementing district cooling as well as about the European situation and contributions of representatives of the City of Vienna were given. Also a general introduction to the Summerheat project and first results and outcomes of work package 2 were shown by a presentation of the Austrian Energy Agency. Extra time after the presentations has been allowed for questions to the speakers and an appropriate time frame was planned to incite the discussion among the different attendant key actors.



Figure 2: Left: Presentation DI Penthor, Fernwärme Wien GmbH (“Einstieg der Fernwärme Wien GmbH ins Kältegeschäft”), Right: Audience (Source: Austrian Energy Agency)

This event should encourage the information exchange and the target group was invited to follow the project and its outcomes. According to the project’s guidelines two further events will be organised (at the beginning and the end of 2008).

Site visit at the first Vienna district cooling network

In the afternoon a field trip to the first Vienna district cooling network in the "TownTown" quarter in the 3rd district of Vienna was undertaken. It offered the possibility for the participants to have a close look at the cold production and recooling facilities of the cold production plant and at the specifics of the way of cold supply and distribution at this project.



Figure 3: Impressions of the site visit, clockwise: Group of participants, TownTown quarter, absorption chillers, recooling unit (Source: AEA and Fernwärme Wien GmbH)

Web links

The Austrian Energy Agency has launched a national website concerning this workshop and future events in German language in April 2007. It contains all relevant information and offers the presentations for download, see

www.energyagency.at/service/veranst/summerheat.htm

www.energyagency.at/projekte/summerheat.htm

List of participants

Nachname	Vorname	Titel	Unternehmen
Aster	Lisa-Marie		
Barth	Thomas		Österreichische Energieagentur
Binder	Walter		Immobilienmakler
Brunner	Christian	Ing.	IMV Immobilien Management und Verwaltung GmbH
Brunner	Peter		Siemens SBT
Dalin	Par		Capital Cooling
Eckert	Felix	DI	iC consulenten Ziviltechniker GmbH
Eigenbauer	Andreas	SR DI	MA 27 - EU - Strategie und Wirtschaftsentwicklung
Feldbaumer	Erich	DI	Salzburg AG
Fischer	Norbert	DI	Fischer & Partner Unternehmensberatung
Fischer-Fürnsinn	Alexander	Ing.	iC Projecte Development and Trading GesmbH
Frey	Nicole		Power Solution Energieberatung GmbH
Friedbacher	Robert	DI Dr.	Magistrat der Stadt Wien - MD Klimaschutzkoordination
Glatzl	Andreas	DI (FH)	Energiecomfort GmbH
Hafner	Ottfried	Dr.	General News
Haslinger	Gernot	DI (FH)	arsenal research
Høgh	Jan Don		Københavns Energi
Jelleschitz	Michael		DURST-BAU
Kachelmaier	Reinhard	Ing. Mag.	Unternehmensberatung Kachelmaier
Kast	Hans-Joachim	DI	ILF Beratende Ingenieure
Kirchleitner	Doris		
Kogler	Klaus	DI (FH)	iC consulenten Ziviltechniker GmbH
Köck	Helmut	Ing.	WED Wiener Entwicklungsges. f. d. Donauraum AG
Krammer	Peter	DI Dr.	Kommunalkredit Public Consulting GmbH
Krawinkler	Robert	DI	Österreichische Energieagentur
Löffler	Gerhard	DI	Amt der Salzburger Landesregierung
Messner	Peter	Ing.	EVN Netz GmbH
Mitterer	Gerhard		Siemens AG - Building Technologies
Mittringer	Kurt	DI	Stadt Wien - MA 18
Nestelberger	Günter		Fernwärme Wien GmbH
Oberhammer	Andreas	Dr.	EVN AG
Penthor	Adolf	DI	Fernwärme Wien GmbH
Platzer	Michael		ALLPLAN GmbH
Rausch	Michael	DI (FH)	Raiffeisen Evolution
Rauter Daghofer	Jürgen		Salzburg AG
Rusch	Andreas		Architekturbüro DI Gernot Schamp
Schindelar	Franz	Ing.	Fernwärme Wien GmbH
Schmidt	Bernhard	DI	Architekt Bernhard Schmidt
Schmittner	Barbara		Raiffeisen Property Management
Simader	Günter	DI Dr.	Österreichische Energieagentur
Stegfellner	Klaus		Salzburg AG
Stricker	Klemens	Ing.	Energiecomfort GmbH
Strobl	Ruth	Mag.	Fernwärme Wien GmbH
Summer	Harald	Ing.	WIBEBÄ
Welzenbach	Manfred	Ing.	Linz Gas/Wärme GmbH
Wonaschütz	Martin	Ing.	Energie Graz GmbH & Co KG
Zoller	Markus	DI	Wohnfonds Wien



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