

# Developing, demonstrating and comparing three high efficiency micro-polygeneration plants

## Final Dissemination Workshop



The HEGEL project (High Efficiency Polygeneration Applications) is a FP6 co-funded project that aims to develop, demonstrate and compare three high efficiency applications of micro-polygeneration for the civil and industrial sectors, based on innovative technologies.

In particular the objectives of the project are:

- To develop, demonstrate and compare high efficiency **micro-trigeneration applications** based on innovative different prime movers and thermally activated cooling technologies;
- To develop and demonstrate compact and cost effective solutions, for integrating the cogenerators with the thermally activated cooling systems, to be applied in civil and industrial applications;
- To develop and demonstrate a high efficiency micro-cogeneration application based on a combined cycle concept;
- To study a fuel flexible architecture (natural gas and biogas) for the combined cycle, based on internal combustion engine (ICE) and Rankine engine prime movers;
- To study and optimise the integration and supply aspects for the combined cycle (control, power generation, thermal outputs, thermal/electrical outputs, power quality,...) in connection with application sites representative of civil end use demand profile.

Three demonstration plants have been constructed and tested:

1. "ICE-Desiccant" (ICED), a trigeneration plant that is installed in Turin, Italy
2. MT-Absorption" (MTA), a trigeneration plant that is installed in Barcelona, Spain
3. Combi System (CS), a micro polygeneration cogeneration plant that is installed in Turkey.

The main objective of this Workshop is to present the final outcomes of the project and share the experience of the project partners in the development of the three plants with the audience.

The 3.5 year project will end by December 2009. To ensure a widespread dissemination of the project results among key stakeholders, a Final Dissemination Workshop will be held on Thursday **17 December in the Diamant Building in Brussels**. Please find the draft agenda, a registration form and directions on how to get to the Diamant Building.

For more information on HEGEL please contact the project coordinator Franco Anzioso by email [franco.anzioso@crf.it](mailto:franco.anzioso@crf.it) or by telephone +39 011 908 3166.

More information on the HEGEL project can be found on <http://www.hegelproject.eu/>

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## Date, Place and Time

Date: Thursday 17 December 2009

Place: Diamant building, Blv; A. Reyerslaan 80, 1030 Brussels, Belgium

Time: 10.00 – 13.00

## Agenda

9.00	Registration and coffee	
10.00	Welcome and introduction to the HEGEL project	Franco Anzioso, CRF
Session I: The three demonstration plants		
10.30	CS (Combi System) application Micro polygeneration plant in Turkey	Ekin Bingol and Ozan Kata, METU
10.50	MT - absorption application Trigeneration plant in Barcelona	Alberto Coronas, URV
11.10	ICED - desiccant application Trigeneration plant in Turin	Marco Badami and Armando Portoraro, PdT
11.30	Coffee break	
Session II: Experience of HEGEL		
12.00	Maintenance Impact on advanced trigeneration systems	Amaya Igartua, Tekniker
12.30	Perspective of distributed generation in the EU Scenario and HEGEL technologies potential impact	Ekin Bingol and Ozan Kata, METU
12.50	Lesson Learned from the project & Concluding remarks	Franco Anzioso, CRF
13.00	Lunch	

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Yes, I would like to participate in the HEGEL Final Dissemination Workshop:

## Registration form

Name	
Position	
Organisation	
Address	
Country	
Telephone	
Fax	
Mobile	
Email	

**Please note that participation is free of charge.**

If you would like to participate, please fax to COGEN Europe on +32 2 772 50 44

For further information on the event, please contact Stefan Craenen

Tel: +32 2 772 82 90

Email: [stefan.craenen@cogeneurope.eu](mailto:stefan.craenen@cogeneurope.eu)

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## HOW TO GET TO DIAMANT BUILDING

### CONTACT INFORMATION

Address: Bld. A. Reyerslaan 80, B - 1030 Brussels

Tel: +32 2 706 88 00

Email: [info@diamant.be](mailto:info@diamant.be)

### PUBLIC TRANSPORT / TAXI

**From the Central Station** Take the metro 1B direction Stokkel and get off at Montgomery station, then take tram 23 (direction Heisel) or 25 (direction Rogier) until the Diamantstation. Take the exit "RTBF/VRT". If you leave the station, you are already on the Boulevard Reyers. Go straight ahead direction VRT and cross the 'Kolonel Bourg'-street before you arrive at Diamant.

### From the airport

- By taxi: 10 minutes
- By bus: line 20 stops at "Diamant". Go straight ahead direction VRT and cross the 'Kolonel Bourg'-street before you arrive at Diamant.

