



In cooperation with



## CHP ON THE MOVE

# The new statutory framework in Germany for combined heat and power generation

- New CHP Act (KWKG)
- Amendments to the Renewable Energy Sources Act (EEG)
- The new Renewable Energies Heat Act (EEWärmeG)
- Improved situation for CHP with the introduction of biomethane
  - Eligibility
  - Who is eligible?
  - Grants, loans and subsidies
  - Consequences for efficiency and design
  - Plant certification
  - The new EU high-efficiency criteria
  - The new incentive programme for small CHP plants

**28. August 2008 in Berlin**  
*with simultaneous interpreter for English*

14. August 2008 in Essen  
04. September 2008 in Hamburg  
18. September 2008 in Stuttgart

## CHP is sure to come – make use of the new opportunities offered

Soaring energy prices indicate shortages. Climate protection issues are becoming more pressing than ever. Against this background, measures to ensure efficient energy utilisation are gaining in importance and are becoming a worthwhile venture. Expansion of CHP applications is one of the most significant measures in this context. In its new climate protection package, the German coalition government has drawn up a programme to double the share of CHP plants in electricity production by 2020. For this purpose, the combined heat and power law (KWKG) has been revised, incentives for the efficient use of biomass CHP installations have been improved in amendments to the Renewable Energies Act (EEG), a special funding programme for small CHP plants has been launched, other measures in support of CHP have been introduced in the Renewable Energies Heat Act (EEWVG) and new regulations on feeding biogas into the natural gas grid have been adopted.

What is the significance of all these regulations in actual business practice?

In a one-day workshop offered at four different locations throughout Germany, well-know legal authorities on energy issues and experts from science and industry explain in depth what this means for investors and operators.

Participants will be given ample opportunity to discuss the individual topics and put their questions forward.

### Whom does the workshop address?

The workshop addresses decision-makers from all sectors associated with CHP in some way: manufacturers of CHP plants and components, public, commercial and private operators, public utility companies, electric utilities, gas utilities, planners, consultants, contractors, energy and environmental associations, as well as politicians and administrative bodies at both national and regional levels.

## The German CHP Association Bundesverband Kraft-Wärme-Kopplung (B.KWK)

...is a cross-sector initiative of manufacturers, operators and planners of CHP installations of all sizes and using all kinds of fuels; it also embraces energy suppliers, scientific institutes and various companies and individuals. All are united in the aim of promoting the use of CHP in Germany and the opportunities this form of energy generation offers to industry and the environment.

Dipl.-Volksw. **Adi Golbach** is managing director, Dipl.-Ing. **Wulf Binde** is scientific consultant for the B.KWK.

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# Programme

9.30 a.m.

### Registration, welcoming coffee

10.00 a.m.

### Welcoming address, introduction, overview of CHP grants and loans / moderation

→ *Dipl.-Volksw. Adi Golbach / Dipl.-Ing. Wulf Binde*

10.10 a.m.

### Amendment to the CHP Act, 2009

- Eligibility
- Who is eligible?
- Grants, loans and subsidies
- Differentiation between extensions – replacement – modernisation
- Concept of "plant"
- Promotion of district heating networks

→ *Dr. Manuela Koch / Prof. Dr. Martin Maslaton / Dr. Martin Riedel*

10.55 a.m.

### The revised renewable energies act (EEG) and the new renewable energies heat (EEWärmeG); new regulations on feeding biogas into the gas grid

#### EEG

- Eligibility
- Who is eligible?
- Grants, loans and subsidies
- Feed management, remuneration
- Apportionment mechanism, inclusion of electricity contracting
- Concept of plant, question of retroactive effect/protection of vested rights

#### EEWärmeG

- Basis for obligations
- Who is obliged to use renewables?
- Obligations
- CHP as a substitute

#### Feeding of biogas into the gas distribution network

- Right to feed biogas into the network
- Division of costs between biogas producers/ gas network operators
- Balancing management
- Ensuring renewables (NAWARO) bonus acc. to EEG (exclusivity criterion)

→ *Ulf Jacobshagen / Dr. Manuela Koch / Prof. Dr. Martin Maslaton*

11.40 a.m.

### Break

12.10 p.m.

### **Certification of CHP plants, EU high-efficiency criteria, determination of CHP electricity share**

- Approval procedure at BAFA (Federal Office of Economics and Export Control)
- Determination of high-efficiency criterion acc. to EU directives
- Distinction between CHP electricity / condensation electricity acc. to EU guidelines
- Future role of the "AGFW-Arbeitsblatt FW 308"

→ *Dipl.-Ing. Wolfgang Schulz*

12.40 p.m.

### **Optimisation of CHP power generation from the energy economy aspect and the drawing/obtaining of additional and reserve electricity**

- Feed-in prices acc. to KWKG / EEG
- "üblicher Preis" (acc. to KWKG)
- Third-party purchaser variant (§4 Subclause 3 Sentence 4 KWKG)
- Avoided grid usage charges
- Marketing of CHP power, regular energy market
- Purchasing of additional and reserve power
- Direct marketing of power from EEG installations
- Balancing management for biogas

→ *Dipl.-Ing. Wolfgang Schuler*

13.10 p.m.

### **Lunch**

14.25 p.m.

### **Consequences of the new regulations for economic feasibility and design of medium-sized and large CHP installations**

- Profitability calculations for various projects
  - Large industrial-size CHP installations (with and without contracting)
  - Medium-sized CHP installations (< 2 MW)
- Sensitivity considerations (fuel price, electricity prices)

→ *Dipl.-Ing. Heinz-Ullrich Brosziewski*

14.55 p.m.

### **Promotion of investments in heat distribution networks according to the new CHP Act**

- Relevant investments and costs
- Use of synergies in the joint laying of supply pipelines; cost application
- Distinction new installation / expansion of district heating networks
- Profitability considerations on the basis of various case examples

→ *Dipl.-Ing. Karl Meyer / Dipl.-Ing. Andreas Reinholz*

15.35 p.m.

### **Break**

15.55 Uhr

### **New framework conditions for use of so-called "mini" CHP units (< 50 kW elt) in commercial and residential premises**

- Profitability considerations on the basis of various case examples
- Sale of power to tenants or home-owners using budgeted transit Mini-CHP-incentive programme of BMU (Federal Ministry for the Environment)

→ *Dipl.-Ing. Michael Geißler / Dipl.-Ökonom Dr. Horst Meixner*

16.25 p.m.

### **Consequences of the new EEG for the operation of CHP plants**

- Compensation when biomass is used
- Definition of useful heat, positive/negative lists
- Use of heat in ORC installations
- Micro gas-distribution networks
- Feeding biomethane into the gas distribution network

→ *Dipl.-Ing. (FH) Martin Credner / Dipl.-Ing. Daniel Hölder*

17.00 p.m.

### **End**

## **Conditions of registration**

#### **Registration fee**

440.00 Euro for B.KWK-members

590.00 Euro for non-members

- 10% discount for COGEN-members!

**The registration fee includes all beverages consumed during the workshop and the intervals, lunch, full documentation/download permission. All prices exclusive of 19% VAT.**

After we have received your registration, you will be sent confirmation and the invoice by e-mail (by regular post upon request). Registration can be cancelled (in writing) free of charge by the last Friday before the respective workshop. For cancellations received after this deadline, we shall charge 50% of the registration fee. In the case of non-attendance without prior cancellation, the full registration fee is payable. You can change your registration (in writing) to another date and venue by the last Friday before the respective workshop at no additional cost. We also accept a substitute participant.

# Speakers

**Dipl.-Ing. Heinz-Ullrich Brosziewski** is a free-lance project leader for motor CHPs, power and heat distribution networks (housing and industry) and is managing director of the CHP contractor beta GmbH, an operator of power engineering plants.

**Dipl.-Ing. (FH) Martin Credner** is Manager Project Development Biogas at Dalkia Energie Service GmbH, the German subsidiary of Dalkia/Veolia Energie, the world's number-one energy services company.

**Dipl.-Ing. Michael Geissler** is managing director of the Berlin Energy Agency, which operates a total of 27 CHP installations in public and private buildings at more than 20 locations in Berlin.

**Dipl.-Ing. Daniel Hölder** is Director Strategy & Business Development at Dalkia Energie Service GmbH, the German subsidiary of Dalkia/Veolia Energie, the world's number-one energy services company.

**Ulf Jacobshagen** is lawyer at the renowned legal offices of Becker Büttner Held. He has worked as a consultant in development of the CHP Act amendment.

**Dr. Manuela Koch** is a lawyer at the renowned legal offices MASLATON Rechtsanwaltsgesellschaft mbH.

**Prof. Dr. Martin Maslaton** is a lawyer and managing director of MASLATON Rechtsanwaltsgesellschaft mbH.

**Dipl.-Ökonom Dr. Horst Meixner** is managing director of hessenEnergie GmbH, which offers independent energy consultancy services in the state of Hessen. Dr. Meixner, acting as contractor, operates more than 50 small CHP units.

**Dipl.-Ing. Karl Meyer** is authorised representative (Prokurist) at BTB Blockheizkraftwerks- Träger- und Betreibergesellschaft mbH Berlin, which supplies some boroughs of Berlin with power and heat from CHP installations.

**Dipl.-Ing. Andreas Reinholz** is project manager for CHP projects at BTB Blockheizkraftwerks- Träger- und Betreibergesellschaft mbH Berlin, which supplies some boroughs of Berlin with power and heat from CHP installations.

**Dr. Martin Riedel** is a lawyer and partner of the legal offices of Becker Büttner Held. He has worked as a consultant in development of all CHP legislation up to now.

**Dipl.-Ing. Wolfgang Schuler** is owner and managing director of an engineering planning office with many years of experience in the field of CHP.

**Dipl.-Ing. Wolfgang Schulz** is scientific assistant at the bremer energie institute and has been an expert in the CHP field for many years, as well as assisting the European Commission in drawing up reference values and guidelines.

## Dates and venues

### Berlin on 28.08.2008 with simultaneous interpreter for English

Registration deadline: 21.08.2008

Mövenpick Hotel Berlin

Schöneberger Strasse 3. 10963 Berlin, Tel: +49 (0)30/23006-0

*Recommended accommodation: We have made a limited block booking at this hotel and you can reserve a single/double room here up to 27.07.2008 for 149.00/159.00 Euro (excl. breakfast) under the code word „B.KWK“*

### Essen on 14.08.2008

Registration deadline: 07.08.2008

HAUS DER TECHNIK

Hollestrasse 1, 45127 Essen, Tel: +49 (0)201/1803-1

*Recommended accommodation: We have made a limited block booking at the nearby Mövenpick Hotel Essen and you can reserve a single room here up to 30.07.2008 for 98.50 Euro incl. breakfast under the code word „B.KWK“; Tel.: +49 (0)201/1708-0.*

### Hamburg on 04.09.2008

Registration deadline: 28.08.2008

HAUS DER WIRTSCHAFT

Kapstadtring 10, 22297 Hamburg, Tel: +49 (0)40/63784902

*Recommended accommodation: We have made a limited block booking at the nearby Best Western Queens Hotel Hamburg and you can reserve a single room here up to 04.08.2008 for 103.00 Euro incl. breakfast under the code word „B.KWK“; Tel.: +49 (0)40/632940.*

### Stuttgart on 18.09.2008

Registration deadline: 11.09.2008

Hotel Steigenberger Graf Zeppelin

Arnulf-Klett-Platz 7, 70173 Stuttgart, Tel: +49 (0)711/2048-0

*Recommended accommodation: We have made a limited block booking at the nearby Best Western Hotel Stuttgart and you can reserve a single room here up to 04.08.2008 for 104.00 Euro incl. breakfast under the code word „B.KWK“; Tel.: +49 (0)711/2587-0.*

# Registration by fax to +49 (0)30 43 60 79 11

I hereby register for the CHP workshop on

- 14.08.2008 in Essen
- 28.08.2008 in Berlin**  
→ English interpreter required?    yes     no
- 04.09.2008 in Hamburg
- 18.09.2008 in Stuttgart

and accept that this registration is binding.

Member of COGEN Europe?    yes     no

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Company/Institution

.....  
Surname

.....  
First name

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Street

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Postal/ZIP code, town or city

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email

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telephone

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fax

**Invoice address (if different):**

.....  
Company/Institution

.....  
Street

.....  
Postal/ZIP code, town or city

.....  
Remarks

I undertake to transfer the registration fee to B.KWK's account upon receipt of the invoice.

.....  
**Date, town or city, signature (stamp)**