

# **Waste-to-Resources 2013**

## **5<sup>th</sup> International Symposium MBT & MRF**

**Mechanical biological treatment (MBT/AWT) of  
municipal solid waste, material recovery facilities  
(MRF) with sensor based sorting, recycling**

[www.waste-to-resources.eu](http://www.waste-to-resources.eu)

**Conference, Exhibition, Site Visits**

**Patronage: Peter Altmaier  
German Minister of Environment**

**International Committee:**

Prof. Dr. Pinjing He, Tongji University, China; Dr. Matthias Kühle-Weidemeier, Wasteconsult international, Germany; Dr. Abdallah Nassour, University of Rostock, Germany; Prof. Dr. Michael Nelles, University of Rostock, Germany

**11<sup>th</sup> – 14<sup>th</sup> of June 2013, Hanover, Germany  
additional introduction seminar 6<sup>th</sup>-7<sup>th</sup> of June**

**Conference with simultaneous translation  
English – German – Spanish – French**

**Programme, Registration Form,  
Information about Exhibition / Fair,  
Arrival and Accommodation**

**Silver Sponsor**



[Metso](http://www.metso.com)

**Organisers**

**wasteconsult  
INTERNATIONAL**

[www.wasteconsult.de](http://www.wasteconsult.de)



[www.asa-ev.de](http://www.asa-ev.de)

# Waste-to-Resources 2013

## 5<sup>th</sup> International Symposium on mechanical-biological Treatment of MSW, Waste Sorting and Material Recovery Technology

2 days small group introduction seminar (6<sup>th</sup>-7<sup>th</sup> of June 2013)

3 days international conference (11<sup>th</sup>-13<sup>th</sup> of June 2013)

Site visits / technical tour (14<sup>th</sup> of June)

Take part in world's largest conference on advanced, material specific MSW treatment technology and enjoy a wonderful time in German spring

Learn about the benefits you will get from applying up-to-date waste treatment technologies

### What is MBT?

MBT is a combination of mechanical and biological process steps to give individual waste components a treatment that is appropriate to their material properties, emission potential and economical value. MBT is a modular concept that ranges from simple, cheap but still efficient to highly sophisticated concepts.

### What are the benefits of MBT for you?

- Reducing landfill gas production (greenhouse gas)
- Reducing leachate contamination and leachate treatment cost
- Reducing the volume of material to be landfilled -> saving precious landfill volume
- Shorter and cheaper aftercare period
- Producing a (more) homogeneous landfill content
- Gaining high energy combustible material, leaving less burdens for future generations
- Extraction of recyclable materials with commercial value

### Advantages of MBT compared to other technologies

#### Vs bioreactor landfill

- Full control and avoidance of gaseous emissions in encapsulated systems
- Industrial process. All of the waste is affected (no dry zones like in a landfill)
- Valuable resources (metals, wood, plastic...) are extracted and not wasted / lost in the landfill
- Leaves better stabilised material in the landfill (aerobic degradation is more efficient than anaerobic on hardly degradable substances)
- Higher usable gas yield (intensive treatment and no loss via open surfaces and leakages like in a landfill)

#### Vs MSW incineration

- Usually cheaper in investment and operation
- Modular system that can be adopted to the local situation and changing requirements
- Lower financial risks because existing plants can be easier adopted to changing waste quantities and qualities
- Allows economic operation of smaller (decentralized) units
- Not burning water and stones, only feasible materials will be incinerated
- Lower potential of toxic emissions because the production of highly toxic organic compounds at incineration temperatures is avoided (except at the RDF incineration)

# Waste-to-Resources 2013

## The venue

Conference centre and hotel Wienecke XI



(C) Matthias Kühle-Weidemeier, 2010

## The town

The town of Hanover has famous historical buildings, parks, museums, a beautiful Zoo and an international airport. It is located at the interchange of major European east-west and north-south motor- and railways.



(C) of the town photos: Hannover Marketing und Tourismus GmbH (HMTG)

By the way, there is a lot of night life in Hanover too!

## Discover Germany

It is one hour and 40 minutes from Hanover to Berlin in the comfortable high speed ICE-Train (Inter-CityExpress). Depending on the track, ICE trains drive with a speed of up to 300km/h.



(C) DB AG/Annette Koch, 2007



(C) DB AG/Bartłomiej Banaszak, 2008



(C) DB AG/Robert Fishman, 2006



# Waste-to-Resources 2013

## Conference and Exhibition

The previous conferences in had delegates from about 40 nations each.



The conference is accompanied by a commercial exhibition. Take the chance to meet an exclusive international circle of potential customers. Further information including **Gold and Silver Sponsor packages** is available at [www.waste-to-resources.eu/exhibition.html](http://www.waste-to-resources.eu/exhibition.html) Don't hesitate to contact us!

Michael.Balhar@asa-ev.de

Some of this year's and previous exhibitors



# **Waste-to-Resources 2013**

## **The week before the conference**

### **Two day introduction seminar to mechanical-biological treatment**

6<sup>th</sup> – 7<sup>th</sup>, June 2013, 9.30 – 18:00. Presenter: Dr. Matthias Kuehle-Weidemeier, Wasteconsult Int'l.  
Seminar limited to 20 persons. Coffee break, lunch & dinner incl, 2<sup>nd</sup> day without dinner.

- 1. Introduction, what is MBT, targets**
- 2. MBT technologies and examples**
  - 2.1. Mechanical treatment**
  - 2.2. Biological treatment**
    - 2.2.1. Aerobic technologies**
      - 2.2.1.1. MBT prior to landfill
      - 2.2.1.2. Biological drying for refuse derived fuel (RDF) production
    - 2.2.2. Combined anaerobic-aerobic technologies**
      - 2.2.2.1. Partial flow dry digestion
      - 2.2.2.2. Full flow dry digestion
      - 2.2.2.3. Partial flow wet digestion
      - 2.2.2.4. Full flow wet digestion
      - 2.2.2.5. Percolation plants
  - 2.3. MBT related technologies**
    - 2.3.1. Wet mechanic separation technology**
    - 2.3.2. Mechanical-physical stabilisation**
- 3. Quality supervision of the major solid MBT output fractions and MBT process control**
  - 3.1. Taking representative samples, analytics, which parameters make sense?**
    - 3.1.1. Landfill material
    - 3.1.2. RDF
- 4. Control of Gaseous emissions**
  - 4.1. Emitted substances, variation of emissions during the process
  - 4.2. Encapsulation
  - 4.3. Air management
  - 4.4. Biofilter
  - 4.5. Regenerative thermal oxidation (RTO)
- 5. Practical experience with MBT in Germany**
  - 5.1. History and legal background
  - 5.2. Results of an evaluation of all German MBTs in 2007
  - 5.3. Current situation
- 6. Landfilling of MBT output**
- 7. Is agricultural application of MBT output a good solution?**
- 8. MBT compared to other technologies**
  - 8.1. Incineration
  - 8.2. Bioreactor landfill
- 9. Costs of MBT**
- 10. Adoption of MBT to the local situation**

# Waste-to-Resources 2013

Tuesday the 11th of June 2013

---

9:00 – 11:00 **Waste Management Strategies, Concepts and the future role of MBT**

1. Risk and chances for PPP in waste management and treatment. *E. Mohora, IFC International Finance Corporation, Belgrade, Washington, F. Kölsch, Dr. Kölsch Geo- und Umwelttechnik GmbH, Braunschweig, Germany*
2. Discussion of advanced waste management processes and strategies concerning their feasibility for developing and emerging countries. *W. Pfaff-Simoneit, KfW Entwicklungsbank, Frankfurt, Germany*
3. Effects of application appropriate scenarios on waste treatment on municipal solid waste heating value. *I.-S. Antonopoulos, A. Karagiannidis Aristotle University, Thessaloniki, Greece*
4. Sustainable strategies and technologies – the challenge of MSW management in Poland. *M. Rybaczewska-Błażejowska, Kielce University of Technology, Poland*

---

Coffee Break

- 11:30 – 13:30
5. MBT for municipal organic waste management in France: conducting a global performance assessment. *A.-L. Fèvre-Gautier, P. Wavrer, P. Michel, A. Beylot, S. Vaxelaire, J. Villeneuve, BRGM, Orléans, France*
  6. EU 2020 targets for household waste : SC, SRF and BMT roles. *E. Rada, M. Ragazzi, Trento University, Italy*
  7. Best available techniques for waste management: Elaborating the German contribution for the update of the European BREF documents. *M. Kuehle-Weidemeier, Wasteconsult international, Langenhagen, Germany*
  8. Regulating MBT: A UK Perspective on Development of BAT for MBT Processes. *M. Pryor, M. Caine, Jacobs UK Ltd, Glasgow, UK*

---

Lunch

---

14:30 – 16:00 **Waste Management Concepts and International Application of MBT (1)**

9. Experimental Case Study of Bio-drying Mechanical-Biological Treatment in Korea. *Jae-Ram Park, Ui-Ho Cho, Bo-Ram Kim, Yeo-Gyeong Kim, Je-Hyun Nah, Sung-Jin Bae, Geon-Mook Leem, Dong-Hoon Lee, University of Seoul, South Korea*
10. National waste policy: promoter of secondary resources's market in Brazil. *C. Pereira, K. Fricke, CREeD - center for research, education and demonstration in waste management, Hille, Germany*
11. Municipal waste management, treatment and disposal facilities in Greece: Presentation of current situation and perspectives in the middle of the ongoing financial crisis. *A. Karagiannidis, G. Perkoulidis, I.-S. Antonopoulos, Aristotle University of Thessaloniki, Greece*

---

Coffee Break

---

16:30 – 18:00 **Up to date technology presented by suppliers (1)**

12. Application of semipermeable membranes as amendment or replacement of tunnel systems. *M. Binding, CONVAERO GmbH, Erding, Germany*
13. Modernisation of KBA Hard with SCHUBIO-Process – current situation. *R. Schu, K. Schu, EcoEnergy, Göttingen, Germany*
14. Successful Refurbishment of the Biomethanization Lines at the MBT Burgos and at the Eco-parc I in Barcelona. *S. Schulte, BTA International GmbH, Pfaffenhofen, Germany*
15. Zilina RDF Production Plant, Slovakia. *M. Wellacher, Komptech, Frohnleiten, Austria*

---

19:00

Dinner

---

Blue font: 15 minutes presentation, black font: 20 minutes presentation



# Waste-to-Resources 2013

Wednesday the 12<sup>th</sup> of June 2013

- 
- 9:00 – 11:00 **Further development and capability of mechanical biological waste treatment (MBT)**
16. Development and future perspectives of MBT in Germany. *M. Balhar\**, *M. Nelles\*\**, *\*ASA e.V. Ennigerloh, Germany, \*\* University of Rostock, Germany.*
  17. Further development of waste management centre Ennigerloh. *T. Grundmann, ECOWEST, Ennigerloh, Germany*
  18. From MBT prior to landfill to material specific treatment and utilisation of waste – Synergies of separate treatment of organic and residual waste to increase efficiency. *A. Warnstedt, G. Müller, Rhein-Lahn-Kreis Abfallwirtschaft, Bad Ems, Germany*
  19. Treatment of (separately collected) organic waste as an option for MBT plants. *G. Becker, INFA – Institut für Abfall, Abwasser und Infrastruktur-Management GmbH, Ahlen, Germany*
- 

Coffee Break

- 
- 11:30 – 13:30 **Optimisation of Mechanical Biological Treatment**
20. Experience with various anaerobic processes for digestion of residual waste. *N.N, GVoA, Hille, Germany*
  21. Contribution of MBT to increase energy efficiency and to resource and climate protection in comparison to other treatment options. *K. Ketelsen, iba GmbH, Hannover, Germany*
- Mechanical treatment and sorting**
22. SolidWasteSim – Simulation of solid waste treatment. Development of a model and simulation system for description of complex mechanical processing in waste treatment plants. *C. Böhm, project partnership ARGUS – Statistik, GreenDelta, Technical University of Berlin, Berlin, Germany*
  23. Taking samples from high calorific waste fractions. *A. Steinhoff, UAS Münster, Germany*
- 

Lunch

- 
- 14:30 – 16:00
24. Experience of an RDF recipient with the energetic valorisation of high calorific fractions from MBT. *K. Wengenroth, BT-Energie, Solms, Germany*
  25. Characterization of waste materials for optimizing aerodynamic separation steps. *B. Krüger, A. Mrotzek, Fraunhofer UMSICHT, S. Wirtz, Ruhruniversität Bochum, Germany*
  26. Automatic separation of contraries from organic wastes. *W. Müller, A. Wöhrle, A. Bockreis, University of Innsbruck, Austria*
- 

Coffee Break

- 
- 16:30 – 18:30 **Up to date technology presented by suppliers (2)**
27. Application of laser based process measurement technique for classification of non ferrous metal scraps from waste treatment plants as preparation for sequent sorting. *A. Feierabend, C. Bohling, SECOPTA GmbH, Berlin, Germany*
  28. Maximum Recovery of Recyclable Materials from Municipal Solid Waste thanks to State-of-the-Art Automated Separation Technology. *F. Hottenstein, H. Ouellet, CP Group, San Diego, CA, USA*
  29. Preparation of biological waste and MSW using the VMpress. *K. Dirkes, VMpress Technologies GmbH, Nordhorn, Germany*
  30. Dynamisation of classic tunnel rotting by combination with an automatic turning system. *B. Pickert, K. Runge, I. Steinberg, Eggersmann Anlagenbau BACKHUS GmbH, Edewecht, Germany*
  31. The application of TAIMWESER ROTOPALA system used for the biological treatment of 375.000 t/a MSW at MBT Plant Basildon/Essex, UK. *D. Polster, TAIM WESER GmbH, Bad Oeynhausen, Germany*
  32. Role of MBT-MRF in achieving high recycling targets. *S. Scotti, ECODECO S.r.l., Giussago, Italy*
- 

19:35 Dinner

---

Blue font: 15 minutes presentation, black font: 20 minutes presentation

# Waste-to-Resources 2013

Thursday the 13<sup>th</sup> of June 2013

---

9:00 – 10:30

## Emissions and environmental impact

- 33. Energy efficient treatment of exhaust air in mechanical biological waste treatment plants. Presentation of first test results. *E. Coskun, RWTH Aachen University, Germany*
- 34. Dust, bioaerosol and endotoxin emissions at mechanical biological treatment (MBT) facilities *T. Gladding, Open University, Milton Keynes, UK*
- 35. Carbon sink MBT landfill – Interpretation of long-term incubation tests (GS<sub>21</sub>). *E. Binner, P. Lechner, M. Huber-Humer, BOKU-University of Natural Resources and Life Sciences, Vienna, Austria*

---

Coffee Break

---

11:00 – 12:30

## Application, further development and optimisation of MBT

- 36. Increasing the economical feasibility of AMB Ecoparcs. *J. C. Fernández, Prevention and Waste Management Barcelona Metropolitan Area, DPGR-AMB, Barcelona, Spain*
- 37. Evaluation and optimisation of static composting reactors. *K. Weichert, TU Dresden.*
- 38. MBT – best technology for treatment of moist MSW. AD and/or Biodrying prior to energy recovery. *K. Kanning, K. Ketelsen, iba GmbH, Hanover, Germany*

---

Lunch

---

13:30 – 15:30

## Operational experience

- 39. Operation of a Waste Management Center in United Arab Emirates – Experiences. *R. Göschl, Innovation und Technik GmbH, Seebenstein, Austria*
- 40. Present Status and Appropriate Process of a Material Recovery Facility in South Korea. *H. H. Kim, ACI Chemicals Asia Inc., Seoul, South Korea*

## Waste Management Concepts and International Application of MBT (2)

- 41. BMT solutions for Romanian MSW management: practical perspectives. *G. Ionescu\*, E.C. Rada\*\*, M. Ragazzi\*\*, S. Ciută\*. \* Politehnica University of Bucharest, Romania, \*\* Department of Civil, Trento University, Italy*
- 42. North American Perspective on Integrated Solid Waste Management. *H. Gershman, Gershman, Brickner & Bratton, Inc., Fairfax (VA), USA*

---

Coffee Break

---

16:00 – 17:30

- 43. The experience of a MBT/MRF strategy to manage household waste in the province of Luxembourg (Belgium – Walloon Region). *J. Counet, Idélux-AIVE, Arlon, Belgium*
- 44. Center for research, education and demonstration in waste management - activities in brasil: MBT from planning to financing. *K. Fricke, C. Pereira, CReED - center for research, education and demonstration in waste management, Hille, Germany*
- 45. Towards addressing landfill diversion targets in Northern Ireland. *S. Barnes\*, B. King\*\*, K. Adu-Gyamfi\*\*\* and T. Fill\*\*\*, \*Golder Associates (UK), Belfast, Northern Ireland, \*\*Quinn Manufacturing Group Limited, Fermanagh, Northern Ireland, \*\*\*Golder Associates (UK) Ltd, Bourne End, England.*

---

**End of the Conference**

---



# Waste-to-Resources 2013

11<sup>th</sup> – 13<sup>th</sup> of June 2013 Posters

## Treatment of selected organic waste fractions

- Biogas and Compost Potentials from Animal Manures in Turkey. *R. Kulcu, Suleyman Demirel University, Isparta, Turkey*
- Environmentally Friendly Exploitation of Organic Wastes and Development of Biogas Technologies in Turkey. *N. Azbar, D. Karaalp, G. Caliskan, Ege University, Izmir, Turkey*
- Use of membrane supported bioreactor configuration for anaerobic digestion of chicken manure. *D. Karaalp<sup>1</sup>, N. Doruk<sup>2</sup>, N. Azbar<sup>1</sup>, N. Dizge<sup>2</sup>, B. Keskinler<sup>2</sup>, <sup>1</sup>Ege University, Izmir, Turkey; <sup>2</sup>Gebze Institute of High Technology, Kocaeli, Turkey*

## Other poster topics

- Current status of treatment of household waste in selected countries in the Arab region and possible solutions. *A. Elnaas, A. Nassour, M. Nelles, University of Rostock*

# Waste-to-Resources 2013

## Friday the 14<sup>th</sup> of June 2013: Site Visits

Additional offer, English and German explanations only, available for conference participants only. Limited to 80 participants.

Site visits are not included in the free ticket for authors.

### Waste Management Centre Pohlsche Heide

- MBT with partial flow anaerobic dry digestion



- Composting and tunnel anaerobic dry digestion plant for organic waste



- CReED (Center for Research, Education and Demonstration in Waste Management)



# Waste-to-Resources 2013

(continued: site visits)

## Small sized industrial RDF combined heat and power plant Minden



## Material Recovery Facility Porta Westfalica (only in tour B)

(max. 20 participants; not suitable for persons with cardiac pacemakers)



(symbol photo)

### Time Schedule (depends on traffic conditions, times are not guaranteed!)

**Tour A** (Pohlische Heide and CHP RDF Powerplant Minden): Departure 8:30 at Hotel Wienecke XI., arrival Hanover airport 16:45, Hanover central station (Hauptbahnhof) 17:15, Hotel Wienecke XI. 17:45

**Tour B** (Pohlische Heide, CHP RDF Powerplant Minden, MRF (sorting plant) Porta Westfalica): Departure 8:30 at Hotel Wienecke XI., arrival Hanover airport 18:30, Hanover central station (Hauptbahnhof) 18:45, Hotel Wienecke XI. 19:15. Tour B is booked up!



# Waste-to-Resources 2013

## Binding registration for Waste-to-Resources 2013 (V International Symposium MBT & MRF)

I sign up binding for the participation at the marked symposium days. I will pay the registration fee within 14 days after receipt of the invoice. I recognize and accept the terms and conditions (see below).

V10

**Please note, that this form does not register you to the accommodation!**

### ASA GmbH

Westring 10

59320 Ennigerloh, Germany

FAX +49 2524 9307-900

Please select (X)

Tickets for the conference	Registration fee net if we receive your registration until 16 <sup>th</sup> of March 2013	Registration fee net in case of registration after 16 <sup>th</sup> of March 2013
11 <sup>th</sup> of June 2013 1 <sup>st</sup> conference day (single day)	<input type="checkbox"/> 199 €	<input type="checkbox"/> 249 €*
12 <sup>th</sup> of June 2013 2 <sup>nd</sup> conference day (single day)	<input type="checkbox"/> 229 €	<input type="checkbox"/> 279 €*
13 <sup>th</sup> of June 2013 3 <sup>rd</sup> conference day (single day)	<input type="checkbox"/> 199 €	<input type="checkbox"/> 249 €*
3 day ticket 11 <sup>th</sup> – 13 <sup>th</sup> of June 2013	<input type="checkbox"/> 529 €	<input type="checkbox"/> 679 €*
3 day ticket for students up to 29 years (proof!)	<input type="checkbox"/> 159 €	<input type="checkbox"/> 239 €*
14 <sup>th</sup> of June site visits tour A: MBT, CHP	<input type="checkbox"/> 99 €	<input type="checkbox"/> 139 €*
1-7 <sup>th</sup> of June site visits tour B: MBT, CHP, MRF	<input type="checkbox"/> 129 €	<input type="checkbox"/> 169 €*
Two day MBT introduction seminar 6 <sup>th</sup> -7 <sup>th</sup> of June	<input type="checkbox"/> 399 €	<input type="checkbox"/> 459 €*

\*May differ for EU members with VAT ID.

Each plus 10% VAT\*

Each plus 19% VAT\*

My conference language is:  English  French  German  Spanish

Mr.  Ms.

Title / Name: .....

First name: .....

Firm / Institution: .....

Phone: .....

Address: .....

Fax: .....

Postcode, City: .....

Email: .....

**Make sure to enter a valid email address! Invoice and your conference ticket will be sent via email (PDF documents)!**

Date, signature, chop: .....

Your VAT ID: .....

### Terms and conditions, services

#### Legal conference organiser:

ASA GmbH, Westring 10, 59320 Ennigerloh, Tel. +49 2524 9307-180 • FAX +49 2524 9307-900 • [www.asa-ev.de](http://www.asa-ev.de)

#### Legal organiser of the MBT introduction seminar:

Wasteconsult, Robert-Koch-Str. 48 b, 30853 Langenhagen, Germany

Fon +49 511 / 23 59 383 • FAX +49 511 / 23 59 384 • [www.wasteconsult.de](http://www.wasteconsult.de)

#### Conference venue:

Wienecke XI. Hotel, Hildesheimer Str. 380, 30519 Hannover,

Fon +49 511 / 126 110 • FAX +49 511 / 12 611 511 • [www.wienecke.de](http://www.wienecke.de)

**Registration** has to be in written form (letter or fax) using this form. After receipt of your registration you will get the invoice which has to be paid within 14 days. After reception of your payment your conference ticket will be sent. The registration is binding. In case of being prevented alternative participants of the same institution are accepted without extra costs. **Cancellations** must be received in written form. In case of cancellation before 30<sup>th</sup> of May 2013 (date of reception at ASA GmbH) your payment less an administration charge of 50 Euro will be refunded. In case of later cancellation the registration fee will not be refunded, the conference documents are forwarded. If the conference is cancelled by the organiser (this will only happen because of unanticipated reasons), the registration fee will be completely refunded. Further pretensions / requirements are excluded.

**Included services:** Lunch (inclusive 1 soft drink), dinner (inclusive 1 soft drink or beer) and 2 coffee breaks with coffee and pastry are included at the first and second conference day. The third day includes coffee breaks and lunch. All delegates receive an issue of the conference proceedings in English language (if you selected German, you get the original language edition). Conference programme and programme sequence are subject of alterations.

**Arrival and accommodation are not included in the registration fee and have to be organised and paid by the participants themselves.**

**Judicial:** Only German law applies. Jurisdiction is Hanover, Germany. The organizer takes no obligatory supervision and is not liable for lost or broken objects, injuries, accidents, deaths and acts of god.

# Waste-to-Resources 2013

## Accommodation:



**Wienecke XI. Hotel**, Hildesheimer Str. 380, 30519 Hannover,  
Phone ++49 (0)511 / 126 110 • FAX ++49 (0)511 / 12 611 511 [www.wienecke.de](http://www.wienecke.de)

The hotel holds a limited room contingent for the conference. With reference to the conference participation you can get a single room inclusive breakfast for 89 Euro/day. Other hotels and information about Hanover can be found at [www.hannover.de](http://www.hannover.de) and hotels at [www.hrs.com](http://www.hrs.com) (for finding Hanover, type Hanover with double "n" (Hannover) or at the bottom of the arrival page of our website. <http://www.waste-to-resources.eu/venue.html> .

## Arrival:

### Flights to Hanover:

Hanover has an international airport, which is served by many airlines.

**Non EU residents should check if they need a visa for Germany  
and apply for it as soon as possible!**

### Railway, Underground and Tram:

#### Starting at Hanover airport:



Take urban railway ("S-Bahn") S5 direction Hameln and get off the train at Hanover main station ("Hauptbahnhof"). Go down 2 floors to the Underground station.

#### Starting at Hanover main station (DB):



Take Underground line 1 direction Laatzen/Sarstedt or Underground line 2 direction Rethen. De-board at the station Wiehbergstrasse



2 minutes footpath to hotel Wienecke XI.

### By car:

Take Motorway A2 or A7 until interchange Hanover east ("Autobahnkreuz Hannover Ost"). Follow Motorway A7 heading south (if you are coming from the south, your description starts now):

Leave the Motorway A7 at exit Hannover – Anderten. Follow road B65 ("Suedschnellweg") direction Hanover fair ("Messe") until exit Doehren / Zentrum. Turn left at the first traffic light. Now you have reached the Hildesheimer Strasse. The conference Hotel "Wienecke XI." is 2 km ahead (direction south) on the right side of the road.

You can get a detailed map of Hanover at [www.stadtplandienst.de](http://www.stadtplandienst.de) .