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WASTE-TO-ENERGY

September 18 and 19, 2017

Vienna Marriott Hotel | Parking 12a | 1010 Vienna, Austria

INTERNATIONAL DEVELOPMENT

EU Policies and Developments • Country Reports • Strategy

WASTE INCINERATION

Technology of Waste Incineration • Energy Efficiency and Use
Experience with Materials and Corrosion • Flue Gas Treatment
Example Plants and Experiences in the Plant Construction and Operation

ALTERNATIVE WASTE-TO-ENERGY PROCESSES

Mechanical-Biological Treatment • Utilization of Solid Recovered Fuels
Pyrolysis and Gasification



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Dipl.-Ing. Klaus-Günther Zink

Deputy Chief Executive of the Environment Sector, CNIM S.A., La Seyne-sur-Mer CEDEX, France

Plenary Session

- 9:00 Welcome Address**
 Professor Dipl.-Ing. Dr. techn. Franz Winter, Vienna University of Technology, Austria
Opening Remarks
 Elisabeth Thomé-Kozmiensky, M.Sc.

EU Policies and Developments

PRESENTATION: PROFESSOR DIPL.-ING. DR. TECHN. FRANZ WINTER

- 9:15 The Commission's Communication on Waste-to-Energy under the Energy Union**
 Jose Jorge Diaz del Castillo
 Unit Waste Management & Secondary Materials
 DG Environment, European Commission, Brussels, Belgium
- 9:45 Brexit – Effects on European Waste Management**
 Kirsten Berry
 Director of hendeca ltd, Witney, United Kingdom
- 10:15 What are the Preconditions and Drivers for the Development of Waste Management in a Country?**
 Dr. Ella Stengler, Managing Director
 CEWEP – Confederation of European Waste-to-Energy Plants e.V., Brussels, Belgium

10:45 Coffee Break

Country Reports

PRESENTATION: DR. ELLA STENGLER, ATTORNEY DR. TOBIAS FABER

- 11:30 Progress on Implementing an Advanced Waste Management System in the Czech Republic**
 Ing. Jaromír Manhart, Director of Department of Waste Management
 Ministry of the Environment, Praha, Czech Republic
- 11:45 Problematic Development of Implementation of WtE Projects in Slovakia**
 Ing. Juraj Musil
 Matej Bel University, Department of Environmental Management, Banská Bystrica, Slovakia
- 12:00 Waste Management Situation and Future Development in Croatia**
 Mihael Zmajlović, B. Econ.
 Member of Parliament, Zagreb, Croatia
 Dipl.-Ing. Dr. mont. Renato Sarc, Chair of Waste Processing Technology and Waste Management
 University of Leoben, Austria
- 12:15 Waste Management Situation and Perspectives in Bosnia and Herzegovina**
 Dr. sc. Mehmed Cero, Assistant Minister on Environment
 Federal Ministry on Environment and Tourism, Sarajevo, Bosnia and Herzegovina
- 12:30 Waste Management Situation in Pakistan**
 Ass. Professor Mudassar Azam, University of Lahore, Pakistan
 Visiting Researcher at Vienna University of Technology
- 12:45 Panel Discussion**
- 13:30 Lunch Break**

Strategy

PRESENTATION: PROFESSOR ING. DAGMAR JUCHELKOVÁ, PH.D.

- 15:00 Waste Management Projects in Emerging Markets: Risks and their Minimization**
 Dr. Tobias Faber, Attorney | Partner
 Hogan Lovells International LLP, Frankfurt am Main, Germany
- 15:30 Think Global – Act Local: a Common Approach for International Projects and Local Markets**
 Andres Kronenberg, Vice President Marketing and Sales
 Hitachi Zosen Inova AG, Zurich, Switzerland
- 16:00 How Oxfordshire County (UK) Managed to Close its Landfill with a Successful Association of Material-from-Waste and Energy-from-Waste Solutions**
 Christophe Cord'homme, Business & Products Development Director
 CNIM Constructions Industrielles de la Méditerranée S.A., Paris, France
- 16:30 Coffee Break**

PRESENTATION: DR.-ING. STEPHANIE THIEL

- 17:00 Impact of EU Legislative Developments on the Waste-to-Energy Sector**
 Patrick Clerens, Secretary General
 European Suppliers of Waste to Energy Technology (ESWET), Brussels, Belgium
- 17:30 Waste Management 4.0 at the North/South/West/East Viewpoint**
 Professor Ing. Dagmar Juchelková, Ph.D., Energy Engineering Department
 Technical University of Ostrava (VŠB-TUO), Czech Republic
- 18:00 Waste Management: A Playground for Utopians and Charlatans**
 Dipl.-Chem.-Ing. Luciano Pelloni,
 Waste Management Advice, Au, Switzerland
- 18:30 Open Bar**
- 20:00 Evening Event**

Incineration

Example Plants and Experiences in the Plant Construction and Operation

PRESENTATION: SECRETARY GENERAL PATRICK CLERENS, ESWET

- ▶ **8:30 Waste Incineration Plant Pfaffenau – Technology, operational data and energy use –**
Gerald Gritzner
WKU Wiener Kommunal-Umweltschutzprojektgesellschaft mbH, Vienna, Austria
- ▶ **9:00 Revamping Projects in the Waste-to-Energy Boilers in Brussels, Paris and Rome**
Agostino Calcagno, Chief Executive Officer
Ph.D. Eng. Joao Parente, Project Engineer, Eng. Luigi Bagnoli, Thermal Engineer
Ruths S.p.A., Genova, Italy
- ▶ **9:30 Optimization of Plant Operation by Means of Technical Service**
Dipl.-Ing. Michael Mück, Process Technology
Steinmüller Babcock Environment GmbH, Gummersbach, Germany
- ▶ **10:00 Early Fire Detection and Automatic Extinguishing in Waste-to-Energy Power Plants and Waste Treatment Plants**
Dipl.-Wirt.-Ing. Albert Orglmeister
Managing Director of Orglmeister Infrarot-Systeme GmbH & Co. KG, Walluf, Germany
- ▶ **10:30 Coffee Break**

PRESENTATION: DIPL.-ING. KLAUS-GÜNTHER ZINK

- ▶ **11:00 Approach to Optimise Energy Efficiency**
Frédéric Aguesse, Vice President of Technical Center EfW SUEZ
SUEZ Environment, Paris, France
- ▶ **11:30 Waste-to-Energy Powered Steam Network ECLUSE: An Example of Energy Clustering with the Chemical Industry**
Jan-Kees De Voogd, Regional Business Development Manager MSW
Indaver nv, Mechelen, Belgium
- ▶ **12:00 Capturing of CO₂ in Waste Incineration Plants towards Power2Fuel**
Dipl.-Ing. Torsten Buddenberg, Product Manager – New Products
Dr.-Ing. Christian Bergins, Product Management
Mitsubishi Hitachi Power Systems Europe GmbH, Duisburg, Germany
- ▶ **12:30 Lunch Break**

PRESENTATION: PROFESSOR DIPL.-ING. DR. TECHN. HELMUT RECHBERGER

- ▶ **14:00 Key Note Lecture: Thermo-Recycling**
Dipl.-Ing. Ulrich Martin, Managing Director
Dr. Axel Hanenkamp, Head Department Manager Technology
Martin GmbH für Umwelt- und Energietechnik, Munich, Germany
- ▶ **14:30 Online Determination of Elementary and Fractional Waste Composition for Municipal Solid Waste Incineration Plants**
Dipl.-Ing. Tobias Widder, Professor Dr.-Ing. Michael Beckmann
Technical University Dresden, Germany
Dipl.-Ing. Philip Reynolds
Managing Director of ERC Technik GmbH, Buchholz i.d.N., Germany
- ▶ **15:00 Impact of the Increased Fraction of Industrial Waste on the Emissions from Waste-to-Energy Plants**
Assistant Professor Dr.-Ing. Federico Vigano
Politecnico di Milano, Department of Energy, Milan, Italy
LEAP – Laboratorio Energia e Ambiente Piacenza, Italy
Alessandro Cerrano, M.Sc.
Politecnico di Milano, Department of Energy, Milan, Italy
- ▶ **15:30 Final Coffee Break**

Alternative Waste-to-Energy Processes

Mechanical(-Biological) Waste Treatment and Energy Recovery from Solid Recovered Fuels

PRESENTATION: DIPL.-ING. DR. MONT. RENATO SARC

- ▶ **8:30** **Planning, Construction and Operation of Mechanical-Biological Waste Treatment Plants – Experience Gained in International Projects –**
Dipl.-Ing. Burkart Schulte
Vice-Chairman of the Board of Center for Research, Education and Demonstration in Waste Management (CReED) e.V.
- ▶ **9:00** **High Calorific Fraction for Energy Recovery in Poland – an Overview of the Current Situation –**
Assistant Professor Dr.-Ing. Emilia den Boer
Section of Waste Technology and Land reclamation
Wroclaw University of Science and Technology, Poland
- ▶ **9:30** **Processing of Household Waste and Energy Recovery from the High Calorific Fraction by Incineration Together with Sewage Sludge in the Fluidized Bed Furnace in Simmeringer Haide**
Dipl.-Ing. Dr. Friedrich Kirnbauer, Operating Technology
Wien Energie GmbH, Austria
- ▶ **10:00** **Single Stage Processing of Waste for Cost Efficient RDF Production**
Ing. Mag. Michael Lackner
Managing Director of Lindner-Recyclingtech GmbH, Spittal/Drau, Austria
- ▶ **10:30** **Coffee Break**

PRESENTATION: DIPL.-ING. MARKUS GLEIS

- ▶ **11:00** **Camera Based Optimization of Multi-Fuel Burners for the Use of Substitute Fuels in the Cement Industry**
Dr. André Dittrich, Head of Industry
ci-tec GmbH, Karlsruhe, Germany
Dr. Hubert B. Keller
Karlsruher Institut für Technologie (KIT), Eggenstein-Leopoldshafen, Germany
- ▶ **11:30** **Hot Disc Technology for Co-Incineration of Coarse Substitute Fuels – Operational Experience at the Rohožník Cement Plant –**
Dipl.-Ing. Juraj Číž
Managing Director of ecorec Slovensko s.r.o., Pezinok, Slovakia

Pyrolysis and Gasification

- ▶ **12:00** **Achieving a Closed Carbon and Circular Economy for the Waste Management Sector – Net Zero Emissions, Resource Efficiency and Conservation by Coupling the Energy, Chemical and Recycling Sectors –**
Dipl.-Wi.-Ing. Alexander Laugwitz, Dipl.-Ing. Friedemann Mehlhose
Professor Dr.-Ing. Bernd Meyer, Institute Director
Dr. Roh Pin Lee, Technology Assessment Research Group Leader
Florian Keller, M.Sc., Dipl.-Ing. Christian Wolfersdorf
Institute of Energy Process Engineering and Chemical Engineering
TU Bergakademie Freiberg, Germany
- ▶ **12:30** **Lunch Break**
- ▶ **14:00** **The Role of Pyrolysis in Distributed Town-scale Energy Systems and Research Results from a Pre-commercial Facility Processing Waste-derived Feedstocks**
Dr. Stuart Wagland, Professor Ben J. Anthony
Cranfield University, School of Water, Energy and Environment, United Kingdom
Mark Harradine, Technical Director, Shaun Gomm, Finance Director
Syngas Products Group Ltd., Dorset, United Kingdom
- ▶ **14:30** **Status of Planning and Construction of Gasification Plants in the United Kingdom**
Timothy Kast, M.Sc. Ch.E., P.E., Senior Process Engineer
Jim Starkey, BSME, Business Development Manager
Matthew Pierson, BSME, Business Development Manager
Mike L. Murphy, M.Sc. Ch.E., Vice President
Outotec (USA) Inc., Energy Products, Coeur d'Alene, USA
- ▶ **15:00** **Operating Experience from Japanese Waste Gasification Plants with Direct Melting System**
Nobuhiro Tanigaki, M.Sc., Chief Technical Manager
Nippon Steel & Sumikin Engineering Co., LTD.
- ▶ **15:30** **Final Coffee Break**

Flue Gas Treatment

PRESENTATION: DR. IR. ROBERT VAN KESSEL

- ▶ **8:30** **Key Note Lecture: Air Pollutant Emissions and their Control with the Focus on Waste Incineration Facilities**
Dr.-Ing. Margit Löschau
Managing Director of wandschneider + gutjahr ingenieurgesellschaft mbh, Hamburg, Germany
- ▶ **9:00** **Low-Temperature SCR – Intelligent and Cost-Effective Regeneration without Excess Emissions –**
Mario Marcazzan
Technical Director of Vinci Environnement, Rueil-Malmaison, France
- ▶ **9:15** **SNCR Technology to Meet Challenging NO_x Reduction Requirements**
Dr.-Ing. Wolfgang Schüttenhelm, Senior Vice President Business Development & Technology
ERC Emissions-Reduzierung-Concepte GmbH, Buchholz i.d.N., Germany
- ▶ **9:30** **Flue Gas Cleaning in Waste-to-Energy – Best Available Technology –**
Dipl.-Ing. Christian Fuchs, Deputy Managing Director and Sales Manager
LAB GmbH, Stuttgart, Germany
- ▶ **9:45** **Dry, Semi-dry or Wet – Which System Fits Best Depending on the Overall Conditions?**
Dipl.-Ing. Ruediger Margraf
Managing Partner of LUEHR FILTER GmbH, Stadthagen, Germany
- ▶ **10:00** **Discussion**
- ▶ **10:30** **Coffee Break**

PRESENTATION: DR.-ING. MARGIT LÖSCHAU

- ▶ **11:00** **Ready-to-use Sodium Bicarbonate in Flue Gas Treatment – Experience Feedback –**
Dipl.-Ing. Jean-Pascal Balland, Dipl.-Ing. Kai Sartorius
Solvay Chemicals GmbH, Rheinberg, Germany
- ▶ **11:15** **Mercury Removal by Chemisorption**
Dr.-Ing. Wolfgang Esser-Schmittmann
President of Carbon Service & Consulting GmbH & Co. KG, Vettweiß, Germany
- ▶ **11:30** **Innovative Technical Solutions for Reduction of Waste Fuel Specific Emissions in Cement Plants**
Dipl.-Ing. Dr. mont. Renato Sarc, Professor Dipl.-Ing. Dr. mont. Roland Pomberger
Chair of Waste Processing Technology and Waste Management
University of Leoben, Austria
- ▶ **12:00** **Discussion**
- ▶ **12:30** **Lunch Break**

Experience with Materials and Corrosion

PRESENTATION: DR. RER. NAT. GABRIELE MAGEL

- ▶ **14:00** **Get to Know the Corrosion Mechanisms in Waste-to-Energy Plants**
Dr. rer. nat. Gabriele Magel, Project Management
CheMin GmbH, Augsburg, Germany
- ▶ **14:15** **Corrosion Behaviour of Radiant Superheaters in a Waste-to-Energy Steam Generator – Operational Experience in St. Omer –**
Fares Maad, Ingénieur Direction technique, Maintenance Incinération
Veolia, France
Désiré Bendahan, Head of Tendering Department
CNIM S.A., La Seyne-sur-Mer, France
- ▶ **14:30** **Ceramic Coating in a High-Pressure Waste-to-Energy Steam Generator – Operational Experience in Zabalgardi Plant in Bilbao –**
Ildfonso Goikoetxea, Director de Explotacion y Desarrollo
Zabalgardi S.A., Bilbao, Spain
Eddie Marcarian, Head of Department *Chaudières et Combustion*
CNIM S.A., La Seyne-sur-Mer, France
- ▶ **14:45** **Fifteen Years of Operating Experience with Thick Nickel Plating Electrolytic Nickel Coated Tubes in Waste Incineration Plants – Protection against Corrosion –**
Dipl.-Ing. Jörg Eckardt
Ralf Senff-Wollenberg, Dipl.-Ing. Johann-Wilhelm Ansey
Standardkessel Baumgarte GmbH, Bielefeld, Germany
- ▶ **15:00** **Latest Development on High Velocity Thermal Spray (HVTS) and it's Critical Success Factors to Provide Life Time Extension to Pressure Parts in Energy-from-Waste**
Dr. Daniel Spálenka, Director European Business Development
IGS Europe, s.r.o., Holasice, Czech Republik
- ▶ **15:15** **Discussion**
- ▶ **15:30** **Final Coffee Break**

Books



Editors:	Waste Management, Vol. 1 – 2: Waste Management, Vol. 3 – 6:	Karl J. Thomé-Kozmiensky, Luciano Pelloni Karl J. Thomé-Kozmiensky, Stephanie Thiel
Waste Management, Volume 1 (2010)	ISBN: 978-3-935317-48-1	includes translations in Polish or German 20.00 EUR
Waste Management, Volume 2 (2011)	ISBN: 978-3-935317-69-6	Language: English, 50.00 EUR
CD Waste Management, Volume 2	ISBN: 978-3-935317-70-2	Polish and German
Waste Management, Volume 3 (2012)	ISBN: 978-3-935317-83-2	50.00 EUR
CD Waste Management, Volume 3	ISBN: 978-3-935317-84-9	Language: miscellaneous
Waste Management, Volume 4 (2014)	ISBN: 978-3-944310-15-2	50.00 EUR
Waste Management, Volume 5 (2015)	ISBN: 978-3-944310-22-0	120.00 EUR
Waste Management, Volume 6 (2016)	ISBN: 978-3-944310-29-9	120.00 EUR

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How to register

With the registration you acknowledge the **terms and conditions** of TK Verlag Karl Thomé-Kozmiensky as binding. The registration of participants must be in writing either by e-mail, by post, by fax or online using the registration form, as far as possible September 13, 2017. Please use a separate form for each person. It is not possible to register only for parts of the event, unless stated otherwise in the programme. On receipt of your application we will send you an invoice for your participation fee by post, which also serves as a confirmation of your registration.

The organizers will provide a reduced congress registration fee for participants from economically weak countries, including the new EU-member states (countries that joined the EU in the year 2004 or later). With the term „economically weak countries“ the organizers mean those countries, defined as „low and middle income economies“ by the World Bank.

The IRRC 2017 entry fees are defined on the basis of one person and cover two days of participation at the congress. Delegates of the IRRC can register additionally for the guided tour to waste disposal plants in Vienna on Wednesday (September 20). There is a limitation of participants. Registrations are considered in the order they are received and are subject to the availability of adequate space. The registration is binding.

If you are unable to attend the congress, your registration can be delegated to a substitute person. Cancellation requests must be received in writing on or before the cancellation deadline of August 20, 2017. Written notifications are accepted via email, post or fax. Cancellations received on or before **August 20, 2017** will receive a refund of the paid fees minus an administration fee of 50,- EUR + 20 % VAT. Cancellations received after the deadline will not be issued a refund. Any unpaid congress fees are due and payable to TK Verlag Karl Thomé-Kozmiensky. Congress documents will be sent to registered attendees, who were unable to participate.

If the congress must be cancelled or moved to another date, all registered participants will be informed instantly. For losses resulting from the cancellation of the congress TK Verlag Karl Thomé-Kozmiensky is not liable. The invoice amount already paid by the participants will be refunded immediately.

The programme is subject to alterations.

Congress fees

890,- EUR + VAT.

Regular fee for participants from the EU-15 and EFTA countries, and overseas

450,- EUR + VAT.

Reduced fee for participants from other EU-member states or from low and middle income economies

390,- EUR + VAT

Reduced fee for full-time professionals of public authorities or universities

100,- EUR + VAT.

Reduced fee for full-time students

Students Please Note: With regards to the reduced registration fee Students are defined as those without a permanent employment (at an organization or a university), those with only marginal employment or a comparable low scholarship.

Visa Letter:

A letter of invitation can be provided upon request for the registered congress participants. Please contact the Organizing Committee, if you require an invitation letter.

The fee comprises:

- Attendance at all presentations
- Coffee breaks and luncheons for both days
- Participation at the networking dinner on September 18, 2017
- Congress documents: 1 Book, Proof-of-entry (also serves as name tag), List of speakers and participants, Final program

Complementary programme

20,- EUR + VAT. Guided tour on September 20, 2017

The fee comprises:

- Pick up and return from Vienna Marriot Hotel (approx. 9 am - 3 pm)
- Transportation between the waste disposal sites
- Guided tour at each site in English
- Group size of max. 15 people

Please note: There is a limited number of places!

Payment details

The congress fee is due before the start of the IRRC. However, please do not pay the congress or guided tour fee until you have received your invoice. Write the invoice number and the name of the delegate legibly on the money transfer form.

Organisation of the Congress:

TK Verlag Karl Thomé-Kozmiensky
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Phone +49.3391-45.45-0 • Fax +49.3391-45.45-10
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Fax Registration for the IRRC Waste-to-Energy +49.3391-45.45-10

I submit my binding application to attend the IRRC Waste-to-Energy on September 18 and 19, 2017 in Vienna.

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I will pay the following congress fees in due time after receiving my invoice:

- 890,- EUR + 20 % VAT.**
Regular fee for Participants from the EU-15, the EFTA countries, and overseas
- 450,- EUR + 20 % VAT.**
Reduced fee for participants from other EU-member states or from low and middle income economies
- 390,- EUR + 20 % VAT**
Reduced fee for full-time professionals of public authorities or universities
- 100,- EUR + 20 % VAT.**
Reduced fee for full-time students

- 20,- EUR + 20 % VAT.**
I will attend the guided tour to waste disposal plants in Vienna on September 20, 2017 (only for registered participants of the IRRC 2017).
Registration deadline: September 2, 2017
- 0,- EUR**
I will attend the evening event on September 18, 2017.
- I am interested in further material about sponsorship/ advertising opportunities.

Name / First Name / Title

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I have read and accept the terms and conditions indicated on this form.

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Congress Venue

Congress venue Vienna Marriott Hotel

Parking 12a • A-1010 Vienna
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Internet: www.viennamarriott.com
Single Room for 219,- EUR per night
Double Room for 239,-EUR per night
Limited offer reserved until August 25, 2017

IMPORTANT

Organize your overnight stay as early as possible.
Vienna is a very popular city and there are a number of other events taking place in that time.

If you want to make use of the **limited group rate**, please visit our website www.vivis.de, go to *Veranstaltungen* -> *IRRC*, then to *congress venue* and follow the link to book the *group rate*. You will be directed to a page of the Vienna Marriott Hotel, which was created only for the participants of the IRRC.

Networking

Besides an interesting programme about the current issues of the European industry, the IRRC offers also a great opportunity to meet experts of the industry, from politics, science and technology. The exchange of experiences, ideas, and concepts will give impulses for cooperation and is going to promote development particularly in the new EU-member states.

Throughout the congress there will be sufficient time for networking in a pleasant atmosphere: During the coffee and lunch breaks, at the dinner on September 18 or even parallel to the lectures.



Partners



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Gemeinsam Ressourcen sichern

Guided tour to waste disposal plants in Vienna

For September 20, 2017 we offer a tour to selected waste disposal plants in and around Vienna, starting of the Vienna Marriott Hotel.

Delegates of the IRRC Waste-to-Energy have the possibility to participate in that excursion.

Registered participants will receive a guided tour at each site.

The group size is limited to max. 25 people.

Schedule

8:30 – 9:00	Meeting Point in front of the Vienna Marriott Hotel
9:30 – 11.00	Waste Incineration Plant Spittelau
11.30 – 13.30	Biogas Plant and Waste Logistics Center
around 14.00	Return to the Vienna Marriott Hotel

SPITTELAU WASTE INCINERATION PLANT DESIGNED BY HUNDERTWASSER

The waste incineration plant Spittelau was constructed from 1969 till 1971. A few years later, in 1987, a large fire destroyed most of the facility. Instead of tearing down the plant, Helmut Zilk – the mayor at the time – decided to rebuilt it in accordance with the highest standards regarding the technology and the environment protection. But even that was not enough. In addition to the technological improvements, it became an artwork. The environmentalist, nature lover and artist Friedensreich Hundertwasser created the unique design, for which it is world-famous today.

From 2012 to 2015, after an operation time of more than 40 years, the waste incineration plant Spittelau had to undergo a complete refurbishment.

Today, it incinerates around 250.000 tonnes of household waste per year. With an installed overall performance of 400 MW, an average production rate of 120 GWh of electricity as well as 500 GWh of heat, this plant is the second biggest generation site in the district heating system of Wien Energie. An it provides annually more than 60.000 households with its eco-friendly heat.



WASTE LOGISTICS CENTRE

Simmering waste logistics centre (German acronym "ALZ"): the most recent element of the comprehensive waste disposal system of Vienna is provided by the new Pfaffenuau waste logistics centre in the 11th municipal district Simmering. This high-tech installation adjacent to the Pfaffenuau waste incineration plant serves for the processing and interim storage of residual and bulky waste. If necessary, the pre-treated, compacted waste is wrapped in airtight bales and stored until incineration without releasing unpleasant odours. This ensures reliable disposal even in case of repairs or downtimes at waste incineration plants. The facility ensures that all waste collected can be properly disposed of, irrespective of the waste volume or capacity utilisation of Vienna's waste incineration plants.

BIOGAS PLANT

The biogas plant went into operation in 2007 and is run by the Vienna Municipal Department for Waste Management, Street Cleaning and Vehicle Fleet (MA 48). The facility processes about 22,000 tons of kitchen waste every year – mainly the contents of organic waste containers in Vienna's inner-city districts, as well as leftover food from restaurants, canteens and industrial kitchens, market waste and expired food. The moisture content of these materials is high enough to allow for fermentation.



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