ISWA Study Tour
Waste-to-Energy Programme 2019

Seminars and Technical Tours to Six Plants in Operation in Austria: Vienna, Niklasdorf and in Hungary: Budapest and Dunaújváros
2-7 June 2019
In 2019, the renowned ISWA Study Tour on Waste-to-Energy will mark its tenth anniversary together with our local partners: UVP Environmental Management and Engineering GmbH.

This five-day technical tour combines site visits with accompanying seminars. You will see and discuss Best Available Techniques (BAT) and installations for Waste-to-Energy (WtE) in operation in Austria and Hungary, including Q&A with operators, facility planners and suppliers.

These practical seminars, taught by senior waste management and engineering experts, focus on:

- advanced resource and energy efficiency for waste management,
- recovery of materials and energy for circular economy,
- treatment and safe intermediate storage of wastes, which allows for diversion of all organic waste exceeding 5 % TOC from landfill.

Discussions include safety control and public acceptance of waste incineration plants (typical “LULU” projects - locally unwanted land use and “NIMBY” – not in my backyard) and important planning factors for successful WtE projects.

For technical background see the: **White Book Waste-to-Energy in Austria**

**Date**
2 – 7 June, 2019. Check-in hotel from Sunday afternoon. Tour ends Friday afternoon at 15.30 in Vienna.

**Venue**
Starts at Fleming’s Selection Hotel, Josefštädter Straße 10-12, Vienna and then onward to Niklasdorf, Budapest, Dunaújváros, and back to Vienna for the last day with cultural programme.

**Target Group**
International waste managers, engineers, municipal managers and investors interested in WtE development and operation.
Registration Information

Registration is made online and is complete after payment is received by ISWA.

Registration fees includes 4* accommodation with breakfast from Sunday 2 June until Friday 7 June 2019, professional guidance through the technical programme and course materials, B2B representations, cultural programme, refreshments, lunch and dinner, transportation and visits to waste treatment plants.

Upon registration, seminar participants accept all accommodation arrangements organised by ISWA.

Please note that the programme is subject to change.

Discounts

- A total of 2 participants from low- and lower-middle-income economies (according to the World Bank list) receive a 50% discount
- Group discounts are available for groups of 3 persons or more, upon request and at the discretion of the Organiser.

The discounts are awarded on a first-come-first-serve basis, please request by E-Mail to Georgina Nitzsche, gnitzsche@iswa.org We encourage you to benefit from ISWA Membership. For information please visit www.iswa.org.

<table>
<thead>
<tr>
<th>Registration fees*</th>
<th>Early Bird Registration (Registration and payment before 15 April, 2019)</th>
<th>Regular Registration (Registration and payment after 15 April, 2019)</th>
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<tbody>
<tr>
<td>ISWA Member</td>
<td>Non-Member</td>
<td>ISWA Member</td>
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<tr>
<td>€2,750</td>
<td>€3,330</td>
<td>€2,900</td>
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*All fees are excluding 20% VAT

REGISTER HERE
**Cancellation Policy**

ISWA reserves the right to cancel the Study Tour if the minimum number of participants is not reached.

Minimum number of participants: 12  
Maximum number of participants: 20

Registration may be transferred to a nominated representative.

Any cancellation of registration must be submitted in writing to ISWA by E-Mail: gnitzsche@iswa.org

**Cancellation and refund will be subject to the following conditions:**

- Cancellation until 15 April 2019: 50% refund  
- Cancellation between 16 April 2019 and 24 May 2019: 10% refund  
- Cancellation from 25 May 2019 or “no show”: No refund

In case of cancellation of the Study Tour due to unforeseeable events, ISWA will refund the registration fee but no other costs incurred prior to cancellation.

**For registration matters or to cancel registration**

Please contact: **Georgina Nitzsche**  
ISWA Event Manager  
E-Mail: gnitzsche@iswa.org  Phone: +43 1 253 6001-22
07:30 – 7:45 Meet ready-to-go in lobby of Flemings Selection Hotel

07:45 Group transfer to Pfaffenau Waste Treatment Facilities by Vienna’s renown public transport system.

08:30 – 12:30 Welcome Address by ISWA, Introduction of participants. by MSc Georgina Nitzsche, International Partnerships and Events, ISWA General Secretariat

Presentation: Sustainable Waste Management, Recycling and Recovery of Energy from Waste in Vienna. by Dr Martina Ableidinger, External Relations, MA 48 and President, ISWA Austria

Site Tour: Waste Treatment Facilities at Pfaffenau including Waste Incineration Plant (grate firing), Waste Logistics Centre (including waste bale storage), Anaerobic Digestion Plant and Recycling Centre.

12:30 – 14:30 Group transfer to Flemings Hotel followed by lunch in hotel.

14:30 – 15:30 Seminar: Overview on Thermal Waste Treatment Technologies – Fundamentals of Pyrolysis, Gasification and Controlled Combustion; characterisation of waste as fuel; systems for grate, fluidised bed and rotary kiln with post-combustion chamber; limitations for specific wastes in various systems; odour control and control of atmospheric emissions; treatment of liquid and solid residues. By Dr Helga Stoiber, UVP


18:30 – 20:00 Meet in hotel lobby for short walk to traditional Viennese restaurant for group dinner.
<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:00 – 10:00</td>
<td>Transfer to Niklasdorf, ENAGES.</td>
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<tr>
<td>10:00 – 10:15</td>
<td>Short break with refreshments.</td>
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<tr>
<td>10:15 – 12:15</td>
<td>Refreshments and Welcome Address</td>
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<td>Seminar and Site-Tour: <strong>Overview of FBC-System (bubbling fluidized bed) and Operational Experiences</strong> of the integrated Waste-to-Energy Plant ENAGES at Paper Mill Brigl &amp; Bergmeister / Member of ROXCEL Group. by Eng. Christian Pusterhofer, Senior Advisor and Technical Director of ENAGES</td>
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<tr>
<td>12:30 – 14:30</td>
<td>Lunch at Restaurant <strong>Brückl-Wirt Niklasdorf</strong> Hosted by <strong>ANDRITZ</strong> – technology supplier company</td>
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<tr>
<td>14:30 – 15:30</td>
<td>Seminar: <strong>Thermal Treatment of Residues in Fluidised Bed Boilers - status quo and way forward.</strong> An overview on main technology providers and technological characteristics, strengths and weaknesses of fluidised bed incineration of various residues, future trends and potentials. By DI Kurt Kaufmann, AK2Energy GmbH</td>
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<tr>
<td>15:45 – 21:00</td>
<td>Transfer to <strong>Grand Hotel Margitsziget</strong> in Budapest with group dinner on route.</td>
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Wednesday 5 June 2019

08:00 – 08:45  Transfer from hotel to FKF-Budapest Waste-to-Energy Plant

08:45 – 12:30  Refreshments, Welcome Address by Mr. László Albert Nagy, CEO of FKF Nonprofit ZRT, representative of ISWA.

Overview: Short Company Profile of Municipal Company FKF-Budapest by Márton László Szendrői project manager, Member of the ISWA Working Group on Energy Recovery


Site-Tour: FKF Waste-to-Energy Plant (grate firing) by Ms. Borsi and Mr. Bánhidy including a visit to Budapest’s famous Museum of Public Cleansing.

12:30 – 13:30  Lunch at the plant canteen

13:30 – 14:00  Transfer to Grand Hotel Margitsziget in Budapest

14:30 – 16:00  Seminar: Development of Waste Management and Integrated Pollution Prevention and Control Policy and legal framework in Austria and EU, legal ban on hazardous and untreated wastes exceeding 5 % TOC from disposal in landfills, landfill tax; development of the most stringent emission standards for Waste-to-Energy worldwide, status quo of waste management in different regions and countries of the EU, trans-boundary shipment of waste.

by M.Sc. Gerald Kurz, UVP

17:00 – 20:00  Guided City-Tour and group dinner at Urban-Betyár Restaurant.
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<tr>
<th>Time</th>
<th>Activity</th>
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<tr>
<td>08:00 – 09:30</td>
<td>Transfer to Dunaújváros</td>
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| 09:30 – 12:00| **Refreshments and Welcome Address**  
Introduction and Site Tour: *Multifuel Circulating Fluidized bed incineration at Hamburger Hungaria Kft. Dunaújváros paper mill*  
by Power Plant Manager András Sárai-Szabó. |
| 12:30 – 14:00| Lunch in local restaurant *Kiskoház* in Dunaújváros  
Hosted by *VALMET* – technology supplier company. |
| 14:00 – 15:30| Transfer to *Grand Hotel Margitsziget* in Budapest                          |
| 16:00 – 17:30| Seminar: *Project Design and Economic Analyses for new Waste-to-Energy Projects*  
Including the relevance of an effective legal framework and its enforcement, taxes and economic incentives, public education, discussion on the influence of culture and environmental protection  
By M.Sc. Gerald Kurz, UVP |
| 19:00 – 20:00| Group dinner at *Széchenyi* Restaurant in hotel.                              |
Friday 7 June 2019

**Cultural Programme:** bus transfer to Vienna along Pannonian landscape including *short visit to scenic town and UNESCO listed Pannonhalma Archabbey* and lunch stop on route.

08:00 – 12:00

**Welcome Address** at Spittelau Waste-to-Energy Plant with outstanding architectural appearance with exterior designed by Austrian artist Friedensreich Hundertwasser. By Vienna Fernwärme, Spittelau Waste-to-Energy Plant

12:00 – 13:00

**Site Tour:** *Spittelau Waste-to-Energy Plant (grate firing system) and District Cooling* including optimised energy recovery by power generation, district heating and district cooling with waste heat absorbing chillers, situated in a central Vienna location.

13:00 – 15:00

Closing ceremony: presentation of certificates and farewell photo.

15:00–15:30

15:30

Individual transfers onward. There is direct access to public transport at the **Metro Station Spittelau**, with connections to the airport, main train station and Vienna.
For registration or organisational matters
Please contact: Georgina Nitzsche
ISWA Event Manager
E-Mail: gnitzsche@iswa.org Phone: +43 1 253 6001-22