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HOTEL PATRIA\*\*\*\*, ŠTRBSKÉ PLESO,  
HIGH TATRAS, SLOVAKIA

# 10<sup>TH</sup> ANNUAL INTERNATIONAL EXPERTS' CONFERENCE ENVIROMANAGEMENT 2019 WASTE T<sup>0</sup> ENERGY

ENERGY RECOVERY • RDF • TECHNOLOGY  
• ECONOMY • LEGISLATION • PR



## LECTURER

### **Dipl.-Ing. Daniel Haas**

Project manager, Mechanical and Process Engineering  
WKU  
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## PRESENTATION

Aspects of fluidized bed combustion and grate firing - with a focus on practical experiences with facilities in Vienna.

## KEY WORDS

Fluidized bed combustion, Grate firing

## ANNOTATION

- Overview of the situation in Vienna regarding thermal waste treatment. Short description of the main facilities in Vienna with key facts.
- Overview and short presentation of the two most important technologies for thermal treatment of municipal waste (fluidized bed combustion and grate firing).
- Technological difference between those technologies with special focus of pros and cons
- Energy Optimization: district heating
- Service experiences with the facilities in Vienna - presentation of some common problems
- Aspects of the preceding processing of municipal waste for the combustion process
- Some aspects of the handling of solid residuals in Vienna

## LECTURER'S PROFILE

Dipl.-Ing. Daniel Haas

Studies: Bachelor and Master Mechanical Engineering  
(Vienna University of Technology)

Emphasis: Energy Engineering, Thermodynamics,  
Hydraulic Machinery and Thermal Turbomachinery

Industrial Experience:

- WKU: Mechanical- and Process Engineer
- AGRANA Starch Inc.: Project Engineer (Process Engineering)
- AGRANA Starch Inc.: Master thesis "Analysis of the steam generation in a starch factory"

## ORGANIZATION'S PROFILE

WKU

Our Mission Statement:

Sustainable solutions for environmental protection

Vision:

Our goal is to become the first point of contact for major projects in the field of environmental protection in the city of Vienna.

In addition, WKU with its expertise wants to contribute to improving the quality of life in other cities and metropolitan areas - with the implementation of a modern and sustainable waste management as a main issue.

For the various projects and interdisciplinary tasks some 30 experts from the following areas are available:

- waste management
- architecture
- civil engineering and water management
- construction
- electrical engineering
- mechanical engineering

Facilities:

- o MVA Pfaffenau (Waste Incineration Plant Pfaffenau)
- o Biogas Vienna
- o The Waste Logistics Centre Pfaffenau