

## References

### Flue gas treatment downstream incinerators for heat and power generation



# LUEHR FILTER GMBH & CO. KG ...

**LUEHR FILTER** offers the know-how gathered from more than 75 years practical experience. In the course of these years we have installed plants for air pollution control for different applications in nearly all industrial fields all over the world. All plants are characterised by

- the reliable observance of the corresponding requested emission limit values, i. e. for particulate, acid crude gases such as HF, HCl, SO<sub>x</sub>, dioxins / furans as well as heavy metals such as Hg and Hg-compounds.
- a reliable continuous operation at lower maintenance.
- low operating costs.

Below please find, as representatives for a large number of installed projects, some references for the fields of application

- **Incinerators for domestic waste**
- **Incinerators for RDF (Refuse Derived Fuel)**
- **Incinerators for residual- and waste wood as well as natural biomass**
- **Incinerators for paper- and sewage sludge**
- **Incinerators for hospital waste and crematories**
- **Incinerators for further fuels**



**... MORE THAN 75 YEARS OF WORK EXPERIENCE  
GATHERED FROM THE CONSTRUCTION OF AIR  
POLLUTION CONTROL PLANTS**



**Incinerator for RDF**

# FIELD OF APPLICATION

## INCINERATORS FOR DOMESTIC WASTE

### OUR CUSTOMERS INCLUDE:

- ANO Abfallbehandlung Nord GmbH, Bremen / Germany
- AVN, Dürnröhr / Austria
- AWG Abfallwirtschaftsgesellschaft, Wuppertal / Germany
- Beaver Hill Disposal Site, Oregon / USA
- Covanta, project Durham York / Kanada
- Ekokem Oy Ab, Finland
- Enertec Hameln GmbH, Germany
- EEW Energy from Waste MHKW Pirmasens, Germany
- GML Abfallwirtschaftsgesellschaft, Ludwigshafen, Germany
- MSW, Nonsan City / Korea
- Oulun Energia, Finland
- Samsung Electronics, Korea
- SIVOM, Cluses / France
- Städtische Werke Magdeburg MHKW Rothensee, Germany
- Tammervoima Oy, Finland





# FIELD OF APPLICATION INCINERATORS FOR RDF

## OUR CUSTOMERS INCLUDE

- Baumgarte Boiler Systems GmbH, Bielefeld / Germany,  
Project Nehlsen Heizkraftwerke, Stavenhagen
- Baumgarte Boiler Systems GmbH, Bielefeld / Germany,  
Project Electra Winds, Oostende / Belgium
- Baumgarte Boiler Systems GmbH, Bielefeld / Germany,  
Project PD Energy GmbH, Bitterfeld-Wolfen
- Enertec Hameln GmbH, Germany
- EEW Energy from Waste Knapsack, Hürth / Germany
- EEW Energy from Waste Premnitz, Germany
- Fortum, project Kauttua, Finland
- Oschatz GmbH, Germany,  
Project Mecklenburger Kartoffelveredelung GmbH, Hagenow
- Spreerecycling GmbH & Co. KG, Spremberg / Germany
- Standardkessel GmbH, Germany,  
Project Energieanlage Bernburg





# FIELD OF APPLICATION

## INCINERATORS FOR RESIDUAL- AND WASTE WOOD AS WELL AS NATURAL BIOMASS

### OUR CUSTOMERS INCLUDE:

- AET Aalborg Energie Technik a/s, Denmark with projects in Germany, Austria, Great Britain, France and Italy
- BE Bioenergie GmbH & Co. KG, Germany, Project straw combustion Emlichheim
- Bertsch GmbH & Co. KG, Austria
- Comptel R., France with different projects in France
- Foster Wheeler Oy, Finland with projects in Germany
- Getec AG, Germany, Project BMHKW Borken
- HVC.NV Huisvuilcentrale, Alkmaar / The Netherlands
- InfraServ, Wiesbaden / Germany
- Kablitz und Mitthof GmbH, Lauda-Königshofen / Germany
- Metso Power Oy, Finland with projects in Great Britain
- N Prior Energy, Germany with projects in Germany and Belgium
- Oschatz GmbH, Germany, Project Chemtex / Italy
- Polytechnik GmbH, Falzenbach / Austria
- Renewa Oy, Finland with projects in France
- Stadtwerke Düsseldorf, Germany
- Standardkessel GmbH, Germany with projects in Germany and The Netherlands
- STEAG GmbH, Germany with projects in Germany
- Vyncke Energietechniek NV, Belgium with projects in Belgium, France, Finland and Spain
- We Energies, Wisconsin / USA





# FIELD OF APPLICATION

## INCINERATORS FOR PAPER- AND SEWAGE SLUDGE

### OUR CUSTOMERS INCLUDE:

- Bamag Environment GmbH, Butzbach / Germany with several projects in Great Britain and Denmark
- Currenta GmbH, Leverkusen / Germany
- Choyang Engineering, Korea
- Lurgi Energie- und Entsorgung GmbH, Germany  
Project Grovehust / Great Britain
- Metso Power Oy, Finland, Project UPM Shotton Paper / Great Britain and UPM Chapelle / France
- Outotec GmbH, Oberursel / Germany,  
Project Corlu / Turkey and Project Zürich / Switzerland
- ThyssenKrupp Encke, Project CDA, Lugano / Italy as well as AVIRA / The Netherlands
- UPM-Kymmene Papier GmbH & Co. KG, Schongau / Germany





## FIELD OF APPLICATION INCINERATORS FOR HOSPITAL WASTE AND CREMATORIES

### OUR CUSTOMERS INCLUDE:

- Draeger Energietechnik GmbH, Germany, Project Kiel
- Erlanger Medicalcenter, Chattanooga / USA
- H. R. Heinicke GmbH, Verden with different projects in Europe and China
- Imtech, Frankfurt and Düsseldorf / Germany
- Industrieofen- und Feuerfestbau Zwickau GmbH, Zwickau / Germany with different, worldwide projects
- Kraftanlagen Hamburg GmbH, Hamburg / Germany with different projects in Europe
- Majo Foundation, Rochester / USA
- Ruppmann GmbH, Stuttgart / Germany with different projects in Europe





# FIELD OF APPLICATION

## INCINERATORS FOR FURTHER FUELS

### OUR CUSTOMERS INCLUDE:

- Babcock Borsig Steinmüller GmbH, Oberhausen / Germany – Projects for coal combustion
- Imtech, Hamburg / Germany Project Celle – Coal combustion
- Imtech Industrie Int., The Netherlands – Combustion of chemical residues
- Lenzing AG, Austria – Vortex bed for sludge, bark and additives
- Lenzing AG, Austria – Liquor combustion
- Lurgi Envirotherm, Frankfurt / Germany – Project animal meal combustion in Great Britain
- Reifen Ihle GmbH, Günzburg / Germany – Tyre combustion
- Standardkessel GmbH, Duisburg / Germany – Project tyre combustion Polgar / Hungary
- Steuler Anlagenbau GmbH & Co. KG, Höhr-Grenzhausen / Germany – Asphalt recycling / The Netherlands
- TU Braunschweig, Germany – Material test stands for fire protection
- Wagner Biro, Austria – Coal combustion



**COAL COMBUSTION**



**FIRE TEST STANDS**



**ASPHALT RECYCLING**



**TYRE COMBUSTION**



**ANIMAL MEAL COMBUSTION**



**VORTEX BED FOR SLUDGE, BARK AND ADDITIVES**



# REFERENCES IN FURTHER INDUSTRIAL BRANCHES

Beside the construction of plants for air pollution control downstream incinerators for power generation **LUEHR FILTER** is active in many other industrial branches.



**IRON AND STEEL INDUSTRY**



**NON-FERROUS METAL INDUSTRY**



**CEMENT / LIME / GYPSUM**



**GRAVEL AND ASPHALT**



**CERAMIC**



**CHEMICAL**



## LUEHR FILTER GMBH & CO. KG



### FACTS AND FIGURES

<b>Founded:</b>	1938
<b>Employees:</b>	approx. 300, thereof 140 working in production
<b>Turnover:</b>	approx. 70 Mio. € (without subsidiaries and holdings)
<b>Head office:</b>	Stadthagen
<b>Subsidiaries:</b>	in Great Britain, Italy and Austria

<b>Companies with holdings:</b>	<b>MGF Gutsche GmbH &amp; Co. KG</b> – Germany, Fulda (i. a. manufacture of needle felts for filtration) <b>EWK Umwelttechnik GmbH</b> – Germany, Kaiserslautern (i. a. sales of dry & wet electrostatic precipitators and catalyst technology) <b>LUEHR LMA Ltd.</b> – Turkey - Istanbul / Tuzla <b>LUEHR FILTER Suzhou Co. Ltd.</b> – China - Suzhou <b>LUHR FILTER Pty. Ltd.</b> – Australia - Melbourne - Rowville <b>LUHR FILTER Polska sp. z o. o.</b> – Poland - Wroclaw <b>BLUE BIRD Co. Ltd.</b> – Korea - Seoul <b>Kuttner LLC</b> – USA - Port Washington
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**International representations:** in Benelux, Brazil, Finland, France, Norway,  
 Russia, Spain and Switzerland

**Find the contact person responsible for your area on  
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