

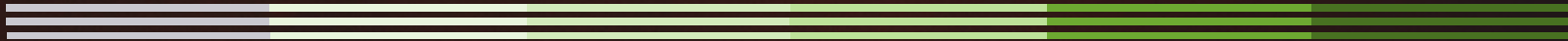


**HAFNER**

**S L I M L I N E - 2 5 , 0 0 0 t / y**

**Small decentralized thermal waste treatment plant**

E n e r g y   f r o m   W a s t e





## About Us

Plant construction or, more specifically, the building of thermal treatment plants, i.e. energy generation through the processing and treatment of waste (household waste, medical waste, industrial waste) is still the core business of the Hafner group.

Changing environmental requirements in the waste sector have led the Hafner company to rethink its business model, coming to new insights based on its own experience and the results of trend analyses.

An essential point of this knowledge is now reflected in the new concept **SDWI - Small Decentralized Waste Incinerator**, also called **SLIMLINE**.

The father of this new business strategy is an initiative that **Hafner®** started as a pioneer already back in the 80s and which gained positive experience in the field of treatment plants for thermal and material recycling of waste that can be transported in modular design. This concept will now be taken up again and developed and offered according to the latest state of the art and scientific knowledge.

The arrival of THE H® - SLIMLINE...

Practical experience has shown that implementing decentralized treatment plants has achieved greater acceptance among the population.

Hafner® takes this practical experience into account and reacts to it with the development of a small thermal treatment plant for waste with lower acquisition costs.



Heinrich Hafner  
CEO - Hafner EfW

**The waste management of the past decades left us and the next generations a number of time bombs.**

The deposit of untreated waste is a thing of the past. We must now move to treat waste in a more economical and ecological manner. Our „Waste to Energy“ plants contribute positively to our climate and guarantee safe disposal of waste at the same time.



Bolzano







## The Slimline

# FOCUS:

**Even today,**  
a large majority of the world's waste  
is thrown into unauthorized and/or  
improperly utilized landfills.

*Hafner "Waste to Energy" technology is a  
forward-looking solution for a faster journey  
towards combating **climate change**.*





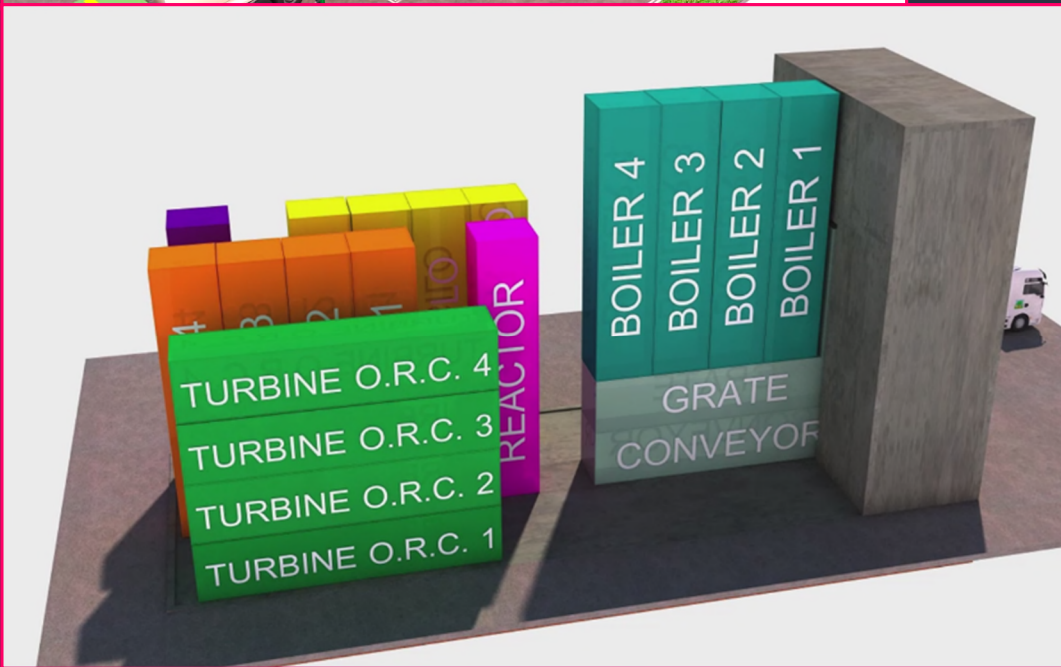
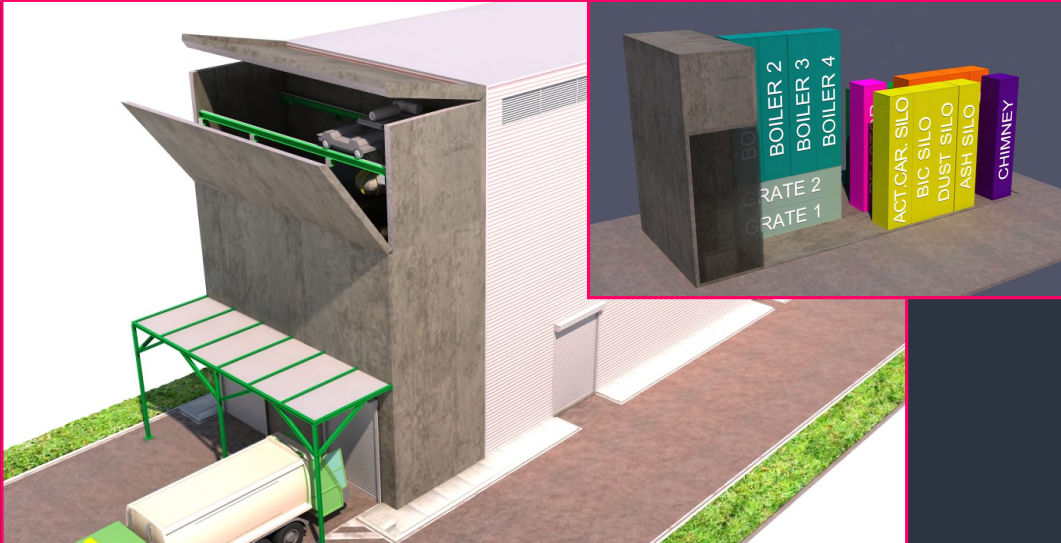
## The Slimline

# SOLUTION:

a SDWI Small Decentralized  
Waste Incinerator Plant  
called:

**"H<sup>®</sup> - SLIMLINE" 25,000 t/y**

*The modular "Slimline 25,000 t/y" concept is leading the way, especially for its novel design, which has a much higher level of pre-assembly in the workshops compared to a standard incinerator design.*





## The Slimline

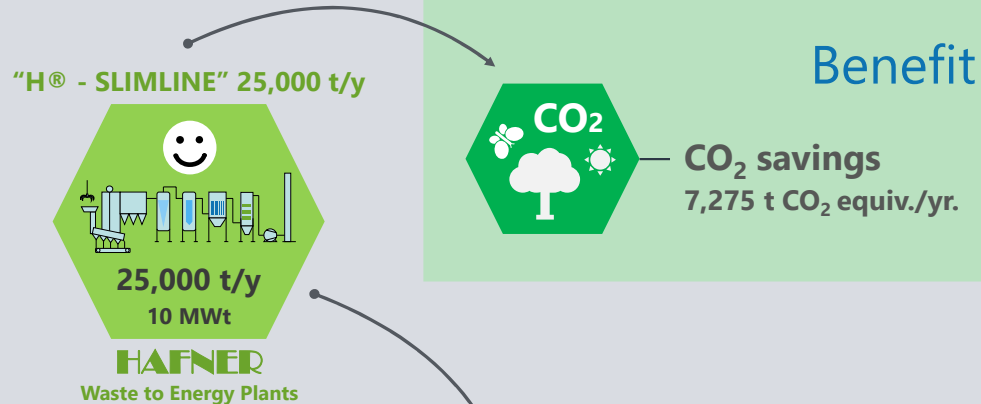


## VALUE OF INNOVATION:

The new plant concept "**H<sup>®</sup> - Slimline 25,000 t/y**" by Hafner means the following advantages and innovations:

- *Solution to waste problems even for smaller surroundings (up to 25,000 t/year);*
- *Fast assembly on-site thanks to the well-designed modular block structure system;*
- *Less space required for installation compared to conventional incineration plants or W2E-plants;*
- *Energy from Waste: Energy (electricity, cooling, district heating) from household or hazardous waste;*
- *The lowest flue gas emissions in Europe;*
- *Fixed price guarantee – guaranteed from the beginning;*
- *Clearly defined construction times and fixed date for commissioning;*





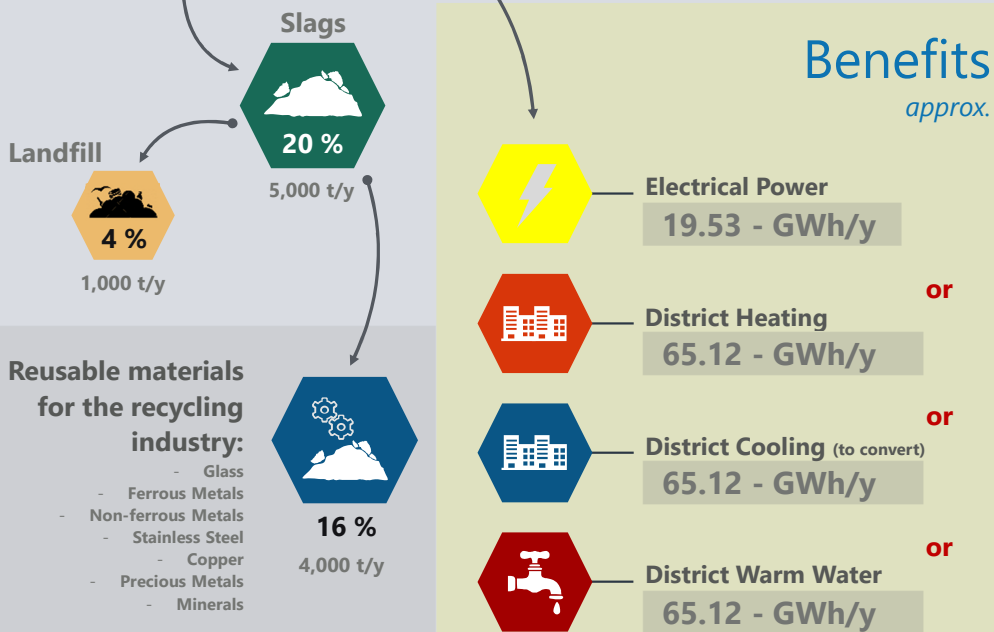
## Benefit

## The Slimline

# ECOLOGICAL & ENERGETIC ADVANTAGES:

## "H® - SLIMLINE" 25,000 t/y

*A great deal of benefits such as CO<sub>2</sub> savings, electrical power & energy availability for district heating → best way for the circular economy...*



## Benefits







# The "Waste to Energy" market Worldwide



Total Waste  
for thermal treatment  
1,438,000,000 t/y  
*based on estimated values*

50%  
Big size  
"Waste to Energy"  
Plants in the  
Cities



50%  
Small  
"Waste to Energy"  
Plants  
(25,000 t/y)



Qty. 28,760  
"H® - SLIMLINES"  
Size 25,000 t/y,  
Thermal Plants for  
"Waste Worldwide"

The Slimline

## THE MARKET

### & VISION FOR THE NEW "H® - SLIMLINE" 25,000 t/y

We are one of the market leaders in the construction of "transportable" waste power plants on a modular basis. Our target market is worldwide. All 194 countries have problems with various waste materials - in the sense of a circular economy. We offer the most cost-effective alternative to the conventional centralized "large waste incinerators".

According to the estimated global waste and considering that 50% of this could be burned in Slimlines, the market share for this would amount to approx. **28,760 single plants**.



**HAFNER** Energy from Waste



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**H<sup>®</sup> - SLIMLINE**  
**25,000 t/y**

a c o n t r i b u t i o n t o

**C L I M A T E**  
**C H A N G E**

a n d t h e  
b e g i n n i n g o f a

**N E W A G E**

