

wood4heating



# CONTRACT HEAT with BINDER BOILERS

March 22<sup>nd</sup> 2010, Whistler, BC



Energy from Biomass

## Who we are

**Binder GmbH**, based in Austria is a family owned Business with 20+ years of experience in building and selling biomass boilers. Binder GmbH is owned by Josef Binder sen. and Josef Binder jun. who runs the business today with a team of 150 staff in production and 40 in sales and marketing.



**Wood4Heating Inc.** is a US-based company founded by the former McKinsey Consultants Holger Mannweiler and Detlev Elsner and the Forest Engineer Philipp Marktl. Wood4Heating offers turn-key boiler installation packages for Canada and the U.S. as well as full-service contract heat arrangements.



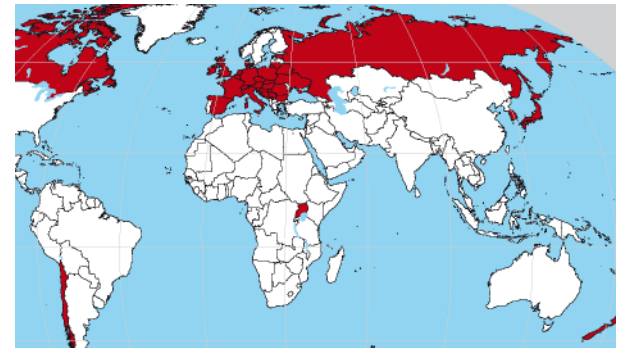
## Track Record

Binder has installed 3500 boilers in 35 countries world-wide, about 1000 of them in Austria

Binder is one of the Top-5 Producers in Central Europe. Products range from **50 kW up to 20.000 kW peak power**

Market leader in Great Britain

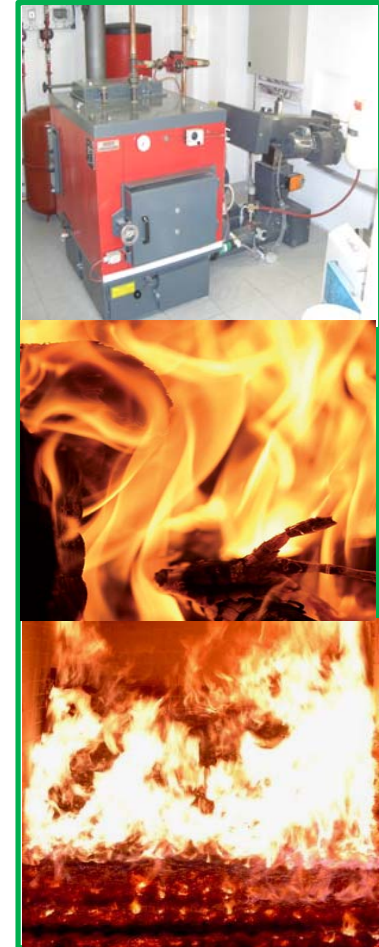
Binder has installed Boilers in 35 countries world-wide. Binder boilers are renowned for their quality, reliability and efficiency.





# Wood Based Heating Primer

- A wood based heating system is a boiler system that generates hot water for heating purposes based on burning **wood fuel, primarily wood chips**. It can fully (or partially) replace a traditional propane or oil boiler.
- Wood chips are a **residue** of the forest and lumber industry that is readily available in your **neighborhood in large quantities**.
- W4H with BINDER Boilers applies ASME certified **proven technology** based on 20+ years experience with use cases all over the world.
- The W4H systems are **fully automated**, including automatic wood chips feed-in, remote control, and ash disposal to a dedicated bin.





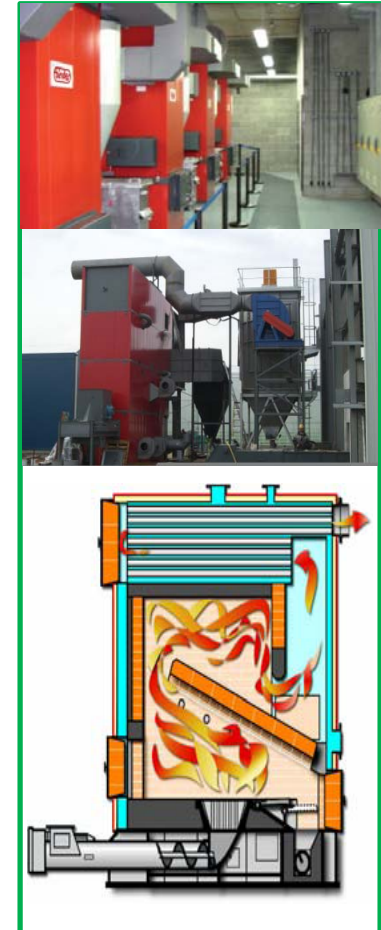
# The advantages of wood based heating systems

- With a wood based heating system you can – partially or fully – **replace your current oil or propane based boiler system to heat with cheap and readily available wood residues** from the local forest and lumber industry.
- With a wood based heating system you **reduce your heating costs by 10% - 50% (compared to oil or propane – depending on your local fossil fuel prices)** and at the same time **protect the environment**.
- Wood4Heating with BINDER offer **heat contracting** - a **full service package** including financing, installation and provision of the wood fuel.



# The Wood4Heating full service contract heat package

- **Reduce your current heating costs** with no upfront investment (contract heat)
- **Life-time NPV of a 3 MM btu/h wood heating system of \$200.000+**
- **Protect your environment:** wood chips are renewable, low emission and eco-friendly
- Make your contribution to **prevent global warming:** burning wood is carbon neutral!
- **Support your local economy**, save local jobs: the wood is grown in your home state, the chips are produced in your neighbourhood and get hauled by local companies.
- **Reduce your risk:** no dependence on volatile global oil or gas market but instead 100% predicability and price stability of your heat energy costs.





## Use cases

- Community buildings
- Schools
- Universities
- Hotels
- Shopping Centers
- Dairy plants
- Industrial production sites
- Greenhouses
- Cooperate buildings
- Residence towers
- Multiple housing developments with micro-heat net
- Sporting facilities
- Government buildings
- and many more





## Hotel Pichlmayrgut, Austria

- \*\*\*\*\* Superior austrian wellnesshotel
- Schladming, Styria Austria
- 700 kW Boiler with woodchips



## Centocor, Ireland

- Biopharma Company Ireland
- 2.100 kW STEAM BOILER



- L'oreal , France
- 500 kW Boiler





## Sunnyside Greenhouse, Canada

- **Biggest BINDER Installation in Canada**
- **8.000 kW Boiler / Biomass chips**



# Be **cool** in the BAR–control your **hot** Boiler via Iphone

## Remote Monitoring

Binder ,the market leader in Biomass technologies, went a step forward again. It's now possible to control and check the biomass boiler from elsewhere via the Iphone.





Energy from Biomass



# THANK YOU

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