



Pre-Manufactured Biomass Boiler House

## SMART BIO-HOUSE 150–500–1500 kW

- Galvanized structure design with PUR panels specification according to customer's requirements
- Hydraulic/Manual silo opening design
- Biomass boiler technology Smart 150–500–1500 kW
- Oil/gas back up boiler possibility
- Complete wood chips & wood pellets silo solutions
- Complete flue gas ways and chimney supply
- Complete hydraulic installation supply
- Measuring and regulation system
- 96 % burning efficiency
- Technical solution flexibility
- Final external design possibilities + special design features

# PRE-MANUFACTURED BIOMASS BOILER HOUSE

## Bio-House 150–500–1500 kW



for a complete Technology Unit

\*Complete 5 year warranty conditions on request



Boiler House Design

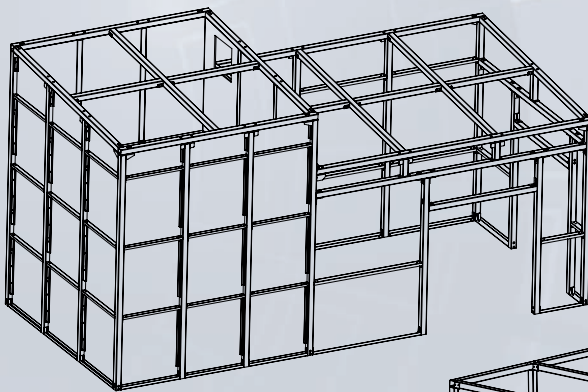


Boiler House Design with Silo

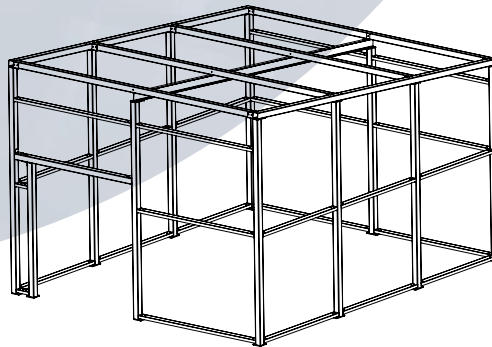


Special Boiler Houses Design

### Specification & Design ↑↓



Boiler House Design with Silo



Boiler House Design

### Pre-Manufactured Boiler House technical solution options:

- With / Without silo solution
- Left / Right Bio-House design
- Hydraulic / Manual roof for wood chip Boiler House design
- Glass / Metal doors design
- Special safety features
- External design according to special customer requirement

### Minimum – Maximum dimensions of the BIO-HOUSE:

3 x 3 m – 9 x 9 m

### Standard Colours Design Options:



RAL 3011



RAL 9002



RAL 5010



RAL 9006



RAL 6021



RAL 7016

### Silo & Hydraulics & Installation →

In association with:

**SIEMENS**

**GRUNDFOS**





# AUTOMATIC BIOMASS BOILERS SMART 150-500-1500 kW



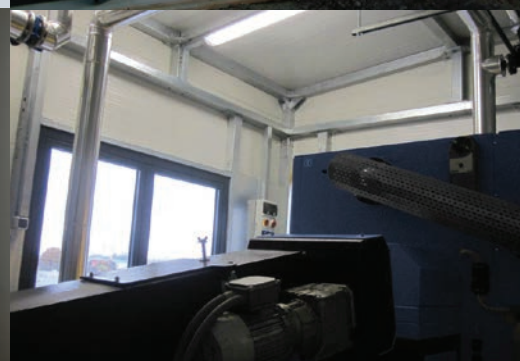
ČSN-EN 303.5 / 2013  
ISO 9001:2009

Efficiency 96 %  
Mobile phone control  
Internet control



\* Subject to a Fuel Composition, and Testing!

		TECHNICAL DATA OF SMART BOILERS								
Marking		150	180	220	250	300	350	400	450	500
Nominal power P <sub>n</sub>	kW	150	180	220	250	300	350	400	450	500
Partial load (power) P <sub>p</sub>	kW	40	45	55	65	75	90	100	115	140
Boiler efficiency at P <sub>n</sub>	%	95	95	95	95	95	95	95	95	95
Boiler efficiency at P <sub>p</sub>	%	96	96	96	96	96	96	96	96	96
Boiler class		5	5	5	5	5	5	5	5	5





**SMART HEATING  
TECHNOLOGY**

*Germany*



## HOW WE WORK WITH OUR CUSTOMERS

Smart Heating Technology s.r.o.

- 1** Evaluating current situation/state
- 2** Processing technical solutions
- 3** Calculating expenses and returnability
- 4** Producing precisely
- 5** Delivering and installing
- 6** Monitoring installation 24/7
- 7** Servicing and maintaining periodically
- 8** Supplying fuel

We analyze properly

We manufacture  
made-to-measure

We look after our clients

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