



## 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



Pre-manufactured Biomass Boiler House

## SMART BIO-HOUSE 150–500 kW

- Galvanized structure design with PUR panels specification according to customer's requirements
- Hydraulic/Manual silo opening design
- Biomass boiler technology Smart 150–500 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 kW

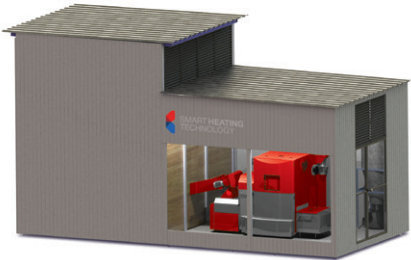


for a complete Technology Unit  
\*Complete 5 year warranty conditions on request

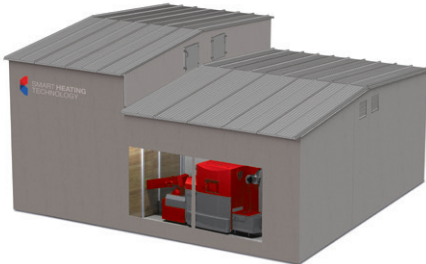
AUTOMATIC BIOMASS BOILERS  
SMART 150–500 kW



Boiler House Design

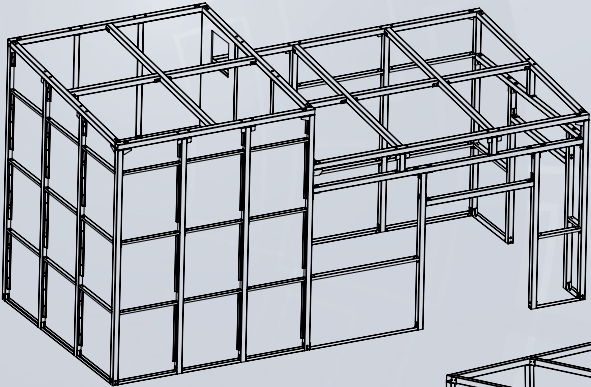


Boiler House Design with Silo

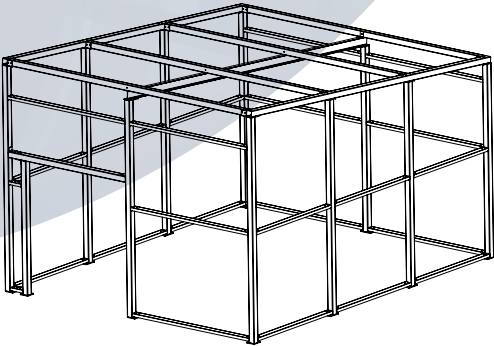


Special Boiler Houses Design

## 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



ČSN-EN 303.5 / 2013  
ISO 9001:2009

Efficiency 96 %  
Mobile phone control  
Internet control



In association with:



		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	

