



# SMART HEATING TECHNOLOGY

*Germany*



MOBILE BIOMASS BOILER HOUSE

## SMART CABIN 150–500–1500 kW

- Biomass boiler technology Smart 150–500 kW
- Oil/gas back-up boiler as optional extras
- Complete wood chips & wood pellets silo
- Complete flue system inside the container
- Complete hydraulic installation inside the container
- Measuring and regulation system
- 96 % burning efficiency
- Flexible Technical solutions
- Flexible external design features

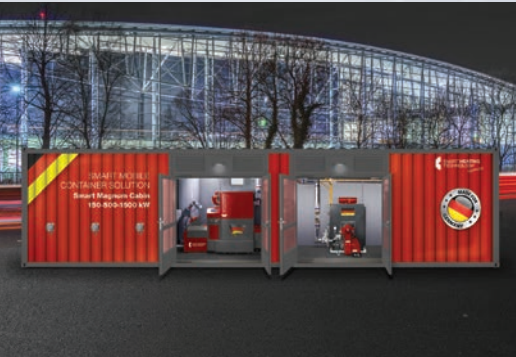


# MOBILE BIOMASS BOILER HOUSE SMART CABIN 150–500–1500 kW



for a complete Technology Unit

\*Complete 5 year warranty conditions on request



## Specification & Design ↑



## Mobile container technical options:

- Left/Right Container design
- Hydraulic roof for wood chip container design
- Glass/Metal doors design
- Special safety features
- External design according to customers' special requirements

## Dimensions and Weights:

150–250 kW: 3 x 3 x 12.6 m ~ 12 tons\*

300–500 kW: 3,2 x 3 x 12.6 m ~ 15 tons\*

\*If an oil or LPG backup boiler is required, the Smart cabin can be extended by 1.2m, with an increase in weight of 1.5 tons.

## Hydraulics & Chimney & Silo →



In association with:

**SIEMENS**

**GRUNDFOS**



# AUTOMATIC BIOMASS BOILERS SMART 150-500-1500 kW



**SMART HEATING  
TECHNOLOGY**

*Germany*



ČSN-EN 303.5/2013  
ISO 9001:2009

Efficiency 96 %  
Mobile phone control  
Internet control



Wood  
pellets



Wood  
chips



Saw dust



AgroPellets\*



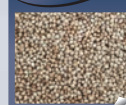
MDF  
Pellets\*



Olive  
Pits



Cherry  
Pits



Peach  
Pits



Almond  
Shells



Rice  
Husks



\* 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*



## SMART INDUSTRIAL HEATING SOLUTION

Complete Biomass Solution For Industrial Heating including Radiators, Interior Fans, Regulation and On-line Monitoring

- Complete Mobile Container solution supply or individual Biomass Boiler solution supply
- Hot water / Hot air heating option
- Complete Hydraulic & Electric solution for multiple buildings heating
- 2-10 thermostats installation into each building
- Complete Monitoring and Regulation for all heating circuits
- Installation possibility of Certified Heat Meters for energy invoicing
- Remote Monitoring and Control over the Internet/GSM
- Instant notification of working conditions alternation



# MOBILE BIOMASS BOILER HOUSE SMART CABIN 150-500-1500 kW



for a complete Technology Unit

\*Complete 5 year warranty conditions on request



ČSN-EN 303.5/2013  
ISO 9001:2009

Efficiency 96 %  
Mobile phone control  
Internet control



## Smart Industrial Heating:

- Apartment Buildings
- Shopping Centres
- Manufacturing Premises, Industrial Units and Warehousing
- Hotels, Leisure Centres, Spas/Health Clubs and
- Swimming Pools
- Sport Arenas
- Public Sector Buildings
- Schools, Hospitals

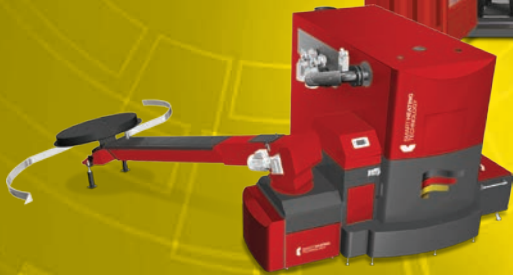






# SMART HEATING TECHNOLOGY

Germany



## SMART GREENHOUSE HEATING SOLUTION

Complete Biomass Solution For GreenHouse Heating  
including Interior Fans, Regulation and On-line Monitoring

- Complete Mobile Container solution supply or individual Biomass Boiler solution supply
- Hot water / Hot air GreenHouse heating option
- Complete Hydraulic & Electric solution for multiple GreenHouses heating
- 2-4 thermostats installation into each GreenHouse
- Complete Monitoring and Regulation for all heating circuits
- Remote Monitoring and Control over the Internet/GSM
- Instant notification of working conditions alternation



# MOBILE BIOMASS BOILER HOUSE SMART CABIN 150-500-1500 kW



for a complete Technology Unit

\*Complete 5 year warranty conditions on request



ČSN-EN 303.5/2013  
ISO 9001:2009

Efficiency 96 %  
Mobile phone control  
Internet control

Internal Fans Design Options ↓



Smart GreenHouse Heating Solution Application Options:

- GreenHouse Heating – Hot-water/Hot-air /DHW preparation
- Poultry Farms – Hot-water/Hot-air /DHW preparation
- Cattle Farms Hot-water – Hot-water/Hot-air /DHW preparation
- Pig Farms Hot-water – Hot-water/Hot-air /DHW preparation
- Fish Farms – Hot-water/Hot-air /DHW preparation
- ZOO – Hot-water/Hot-air /DHW preparation
- Material Drying Solutions & DHW preparation





**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

SMART HEATING TECHNOLOGY s.r.o.  
U Statku 653/24, 717 00 Ostrava-Bartovice  
Czech Republic  
[www.SmartHeating.cz](http://www.SmartHeating.cz)

For more technical information and prices,  
please contact our Sales Department:  
Phone: +420 777 960 560  
+420 734 751 655  
+420 777 258 481  
Email: [Sales@SmartHeating.cz](mailto:Sales@SmartHeating.cz)  
[Info@SmartHeating.cz](mailto:Info@SmartHeating.cz)

Partner: