



# TOPLING

Wood energy- The warmth of your home

## SASP

Professional systems for the biomass combustion



SASP 



[www.topling-barbatus.com](http://www.topling-barbatus.com)



## REDUCE YOUR HEATING COSTS

*Topling professional systems are optimized for each project individually and adjusted to the end user.*

- adjusted to the various needs of the end user
- installed high qualitative components from EU manufacturers
- complete solutions for the end user
- high performance and efficiency, safety of the working process, ecological advantages, turnkey assembly, simultaneous personnel education for the system maintenance
- a comprehensive approach to the project from design to implementation
- a full support for the end user in terms of management and spare parts delivery
- a partnership approach

### ENERGY SYSTEMS POWERED BY BIOMASS

*High technology, environmental awareness, natural resources, expertise with a vision for the future.*

- professional systems for grain dryers, wood dryers, greenhouse heating, district heating of homes, commercial buildings, public institutions and for industrial facilities
- fully automated systems for the combustion of wood biomass
- tested at APAVE SUD EUROPE SAS France and at KIWA Great Britain
- manufactured from high qualitative materials and sheet with high welding quality
- installed components from recognized EU manufacturers

### TURNKEY ASSEMBLY

*SASP professional system includes (standard):*

- Water heater
- Gasification component
- Basic silo - size 2 m3
- Hydraulic dispenser
- Multi-cyclone
- Control panel
- Free-standing steel chimney with insulation
- Complete assembly with education

#### ADDITIONAL FEATURES:

- automatic ash removal /Aerovit system/
- for various silo variations /metal, concrete/ different types of supply of energy sources
- heat storage /horizontal or vertical/

### SASP SYSTEMS

Power from 150 kW to 2 MW

**Energy sources: G30 wood chips, sawdust and industrial pellets with a moisture content of 60% and more**

- the business is based on and adapted to all of the high production standards; components from recognized EU manufacturers are installed

### KPR PROFESSIONAL SYSTEMS

**For the combustion of wood biomass (a sliding grate is integrated)**

**- Power from 2 MW to 8 MW**

- fully automated system
- energy sources: G100 wood chips with a moisture content of 60% or more



**ISO 9001 / ISO 14001 / ISO 18001**



## SASP systems and solutions provide a complete management of the system for the end user at various levels

*Representation of certain components of the SASP system:*

Water heater



Gasification component



Standard container with the dosing dispenser in the size of 2 m<sup>3</sup>



Wood biomass mixer in the silo with the variable geometry



System for the wood biomass transport out of the silo (concrete or metal)



Concrete silo



Complete metal silo in the size of 50 m<sup>3</sup> or 100 m<sup>3</sup>



Chimney



*The TOPLING SASP system can be produced for two different operating regimes, either 90°C/70°C or 119°C/110°C.*

*Installed components:*

**Lenze**

**Schneider Electric**

**Danfoss**

Unitronics



Aerovit A/S





## Back to nature with TOPLING systems and solutions for the biomass combustion

TOPLING professional systems offer many options and solutions for the end user. Innovative heating with wood biomass/wood chips or pellets.

Types and execution possibilities of TOPLING systems' professional solutions



*SASP professional systems for the wood biomass combustion; power from 150 kW to 2 MW*

*KPR professional systems for the wood biomass combustion (sliding grate integrated); power from 2 MW to 8 MW*



*SASP container design; power from 150 kW to 750 kW*

*BTA professional systems powered by wood pellets; power from 500 kW to 2 MW*





## TOPLING SYSTEMS

*are in operation in more than 10 EU states. They represent a highly effective solution in the field of heating with wood biomass, are environmentally friendly and easy to use.*

Residential areas, business premises, commercial buildings/district heating



Grain dryers



Greenhouses



Production plants – farms – wood dryers







## **TOPLING REFERENCES - heating with wood chips**

*Production plants, farm buildings, public institutions*







# WOOD BIOMASS

Energy of the future

Stable, methodically carried out and implemented systems offer a quick and easy maintenance. They are specifically optimized to meet the needs of the user, as well as easy to use and with a transparent control over the operation of the system.

*TOPLING systems have a perfected technology that helps us undertake reliable projects. TOPLING SASP systems provide comfort, efficiency, stability, ecological integrity, partnership and full support for the investor and user.*





## TOPLING - WOOD ENERGY

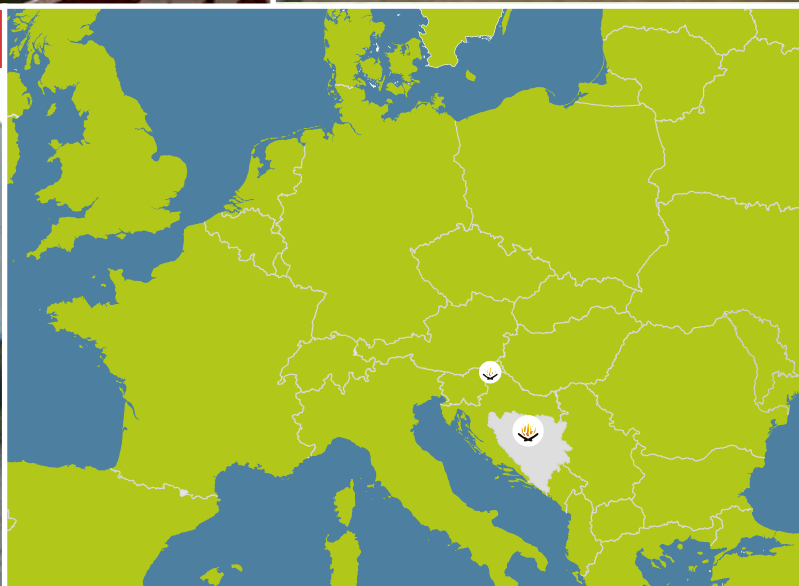
*Environmental awareness, high quality, friendly use, system's efficiency, functionality, cost reduction of energy production and heating.*

The TOPLING company executes permanent activities to protect the environment. They are in accordance with the law. Furthermore, the company systematically controls the factors that can have a big impact on the environment. We invest heavily in advanced production technology, improving the quality of work and products and in the cost reduction. The goal and the result of this endeavour is to satisfy our customers. In addition to the longevity of the products and the

components, the customers can expect a fast and efficient profitability of their investment. The TOPLING company's business philosophy that carries reputation and success is a continuous development, use of qualitative materials and assembly of components that are of highest quality. All this is based on full control of the production process, from input to output control and testing of the products. The satisfaction of customers and users comes first.



TOPLING headquarters of the company - production



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