



# Energy from Biomass

CHP CO-GENERATION PLANT  
PROCESS STEAM PLANT  
HOT WATER PLANT

**URBAS**  
energietechnik



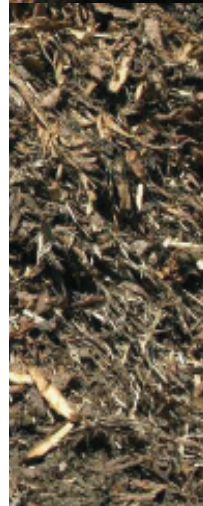
## URBAS

URBAS was founded in 1929 as a family owned business. Today the owner-managed technology company is highly successful internationally in the field of biomass energy technology.

350 employees plan, manufacture, install and maintain plant for the generation of hot water, steam and electricity from biomass.

URBAS plant is specifically designed for energy recycling of low-quality, damp and coarse-grained biomass fuels which typically occur in sawmills, wood processing operations or from forestry thinning.

The design and build of high quality plant for the sustainable efficient utilisation of biomass fuels based on long-term economic and ecological criteria – that's where the domain of URBAS is.



## CHP PLANT

4 – 13

Plant for the co-generation of heat and electricity for the best possible utilisation of biomass fuels.

## PROCESS STEAM PLANT 14 – 19

Plant for the generation of low and high pressure industrial process steam from biomass.

## HOT WATER PLANT

20 – 25

Plant for the generation of hot water for industrial applications and for district heating systems.



## URBAS CHP PLANT

### Combined Heat and Power

Combined generation (co-generation) of heat and electricity guarantees maximum efficiency when recycling biomass fuels. URBAS offers a choice of solutions which includes the complete turn-key package of URBAS CHP plant on the basis of the steam cycle process.



### Bioenergy Bardejov s.r.o.

location: Bardejov, Slovakia  
industrial: District heating  
output: 35 t/h, 65 bar  
8 MW<sub>el</sub> 20 MW<sub>th</sub>

## URBAS CHP PLANT



YBBS



CHP PLANT



### BioMa Energie AG

location: St. Andrä, Austria  
industrial: District heating  
output: 26 t/h, 65 bar  
5,9 MW<sub>el</sub> 14,9 MW<sub>th</sub>



### Biomasse Heizkraftwerk Ybbs GmbH

location: Ybbs, Austria  
industrial: District heating  
output: 29 t/h, 26 bar  
5 MW<sub>el</sub> 18,5 MW<sub>th</sub>



### Bioenergieverbund Amstetten GmbH

location: Amstetten, Austria  
industrial: District heating  
output: 26 t/h, 65 bar  
5,9 MW<sub>el</sub> 14,9 MW<sub>th</sub>



## URBAS CHP PLANT

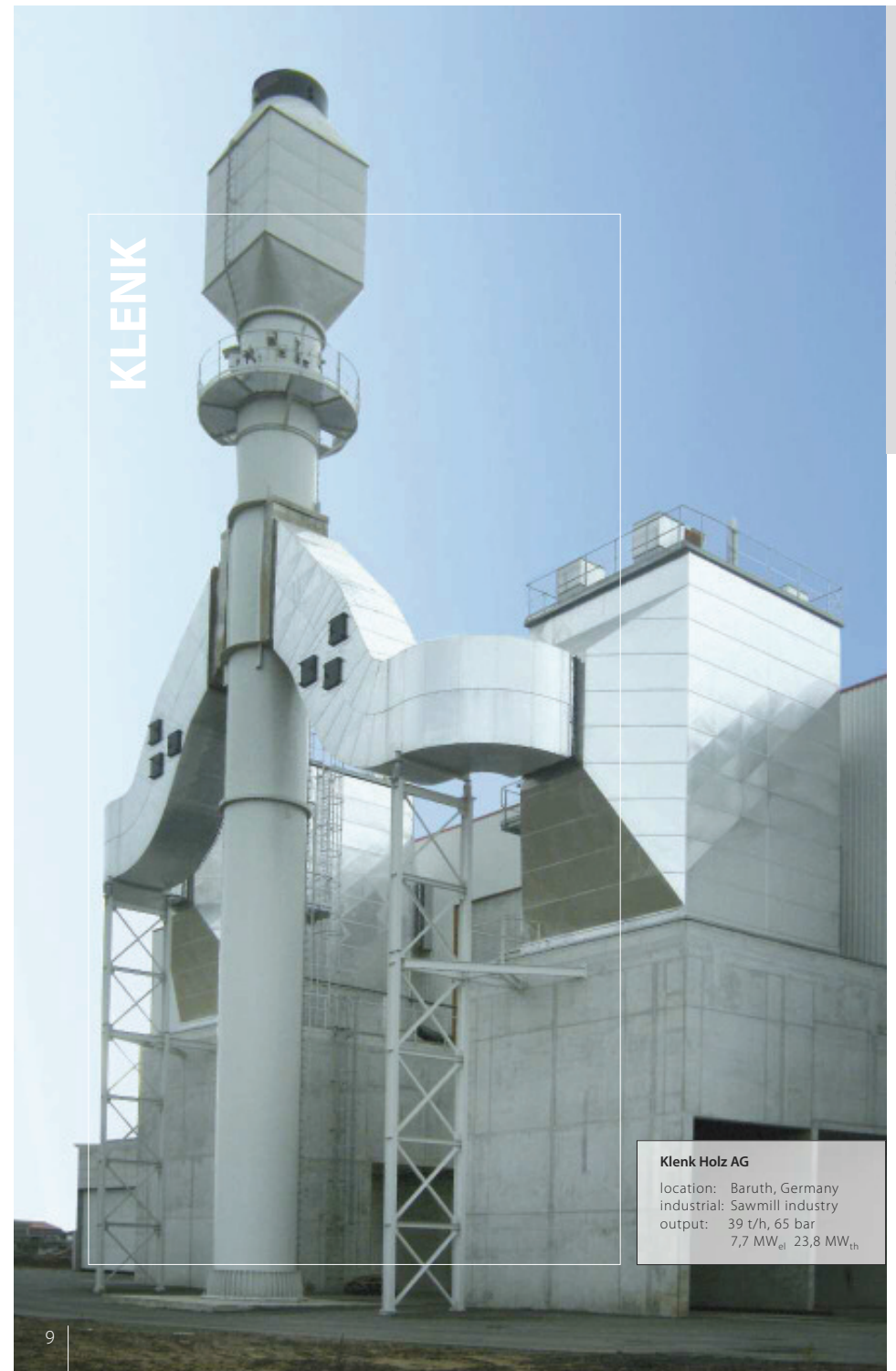


picture of installation

### HIT Holzindustrie Torgau OHG

location: Torgau, Germany  
 industrial: Timber industry  
 output: 13 t/h, 26 bar  
 2,4 MW<sub>el</sub>, 8,3 MW<sub>th</sub>

KLENK



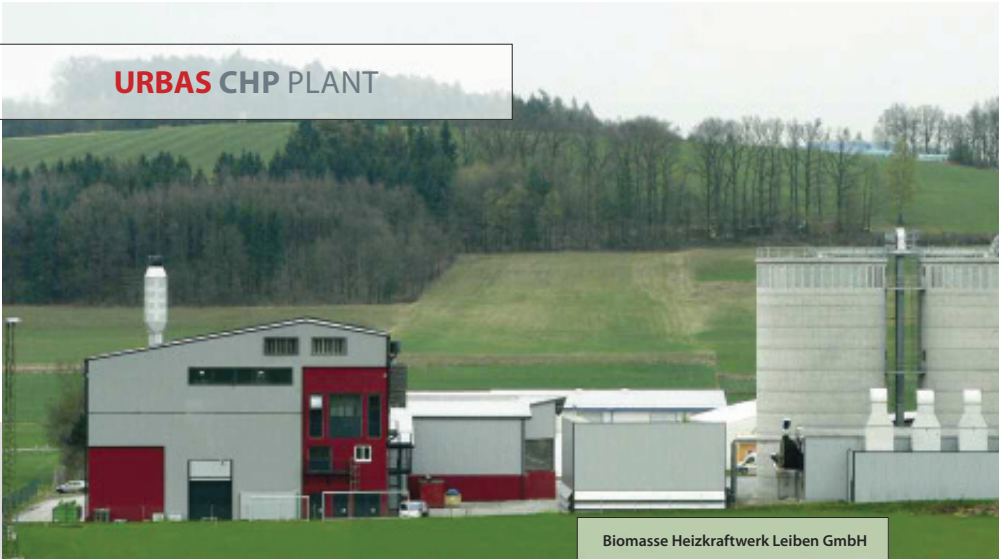
CHP PLANT

### Klenk Holz AG

location: Baruth, Germany  
 industrial: Sawmill industry  
 output: 39 t/h, 65 bar  
 7,7 MW<sub>el</sub>, 23,8 MW<sub>th</sub>



## URBAS CHP PLANT



**Biomasse Heizkraftwerk Leiben GmbH**

location: Leiben, Austria  
 industrial: District heating  
 output: 11 t/h, 26 bar  
 2,0 MW<sub>el</sub>, 7,2 MW<sub>th</sub>



**Brunner-Stern GmbH**

location: Hohenberg, Austria  
 industrial: District heating  
 output: 7,4 t/h, 26 bar  
 1,7 MW<sub>el</sub>, 4,5 MW<sub>th</sub>



**Bioenergiezentrum GmbH**

location: Klagenfurt, Austria  
 industrial: District heating  
 output: 26 t/h, 65 bar  
 5,2 MW<sub>el</sub>, 15,9 MW<sub>th</sub>



**Biomasse Energie GmbH**

location: Villach, Austria  
 industrial: District heating  
 output: 13 t/h, 26 bar  
 2,4 MW<sub>el</sub>, 8,3 MW<sub>th</sub>





## URBAS CHP PLANT



picture of installation



picture of installation

### Bioenergy Topolcany s.r.o.

location: Topolcany, Slovakia  
 industrial: District heating  
 output: 35 t/h, 65 bar  
 8 MW<sub>el</sub> 20 MW<sub>th</sub>



CHP PLANT

SCHWEIGHOFER



### SC Holzindustrie Schweighofer SRL

location: Sebes, Romania  
 industrial: Sawmill industry  
 output: 40 t/h, 65 bar  
 8,7 MW<sub>el</sub> 23,4 MW<sub>th</sub>



## URBAS PROCESS STEAM PLANT

### Process Steam Plant

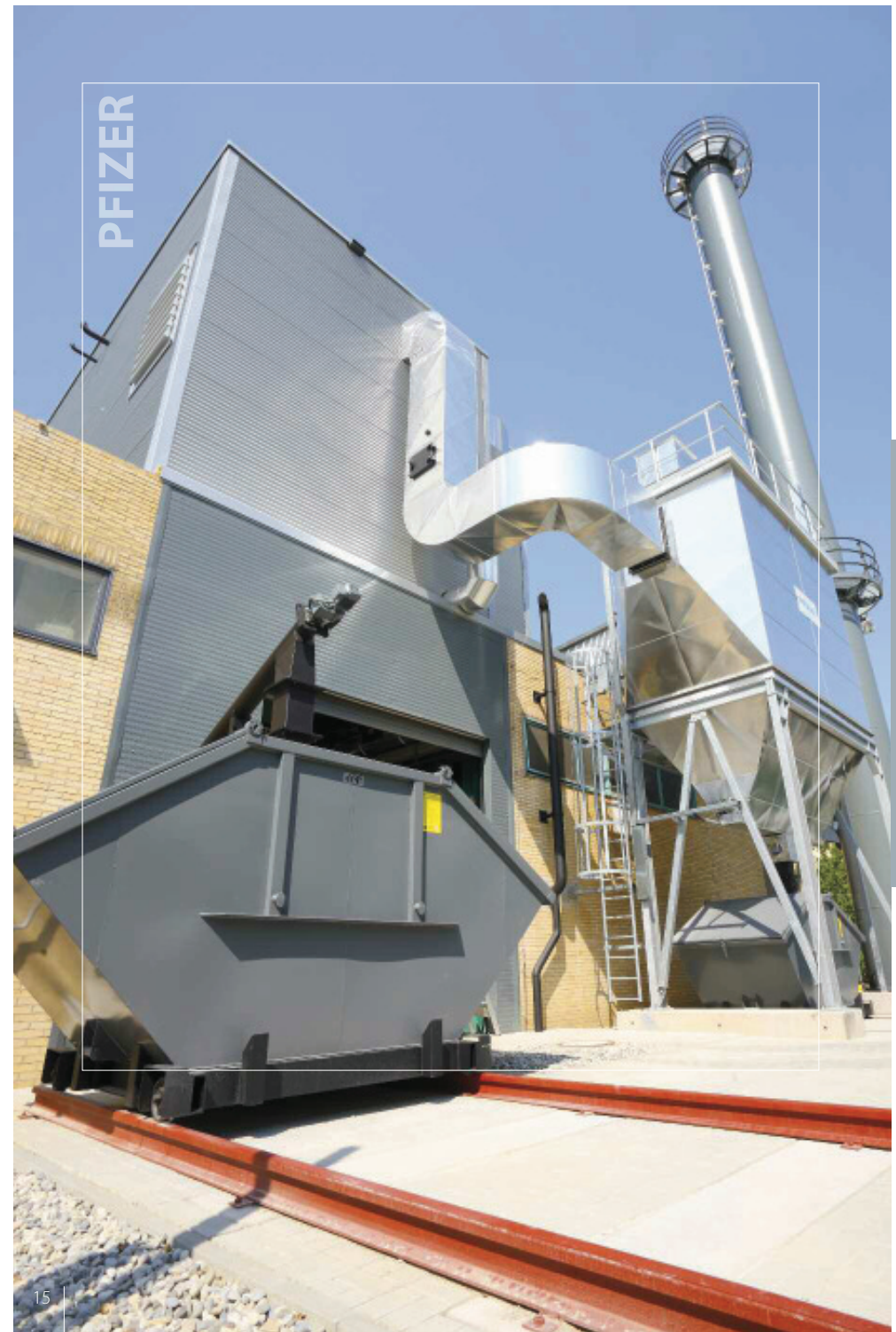
Many production processes in food, dairy, brewery, pharmaceuticals, and other industrial applications require steam with an accurately defined quality and quantity. Whether low-pressure steam or high-pressure steam, URBAS provides mature, complete solutions for all requirements.



picture of installation

#### Pfizer Manufacturing Deutschland GmbH

location: Freiburg, Germany  
industrial: Pharmaceuticals industry  
output: 5 t/h, 8 bar





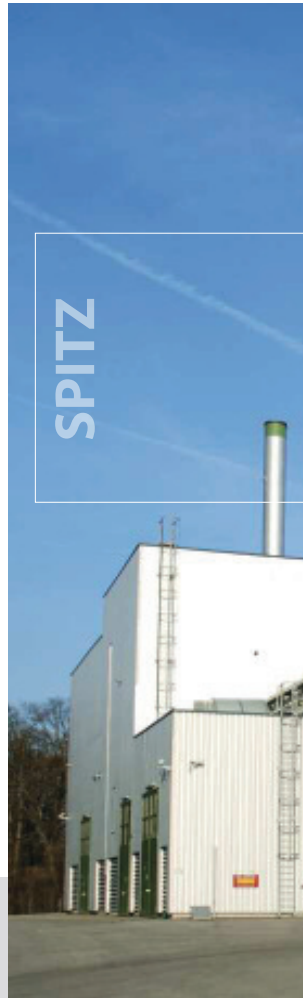
## URBAS PROCESS STEAM PLANT

### Novartis Pharma Produktions GmbH

location: Wehr, Germany  
 industrial: Pharmaceuticals industry  
 output: 2 t/h, 8 bar



## SPITZ



### BioWärme Spitz GmbH

location: Attnang Puchheim, Austria  
 industrial: Food industry  
 output: 15 t/h, 16 bar

## URBAS PROCESS STEAM PLANT



### Energie Contracting Heidelberg AG

location: Rothaus Brewery  
Grafenhausen-Rothaus,  
Germany  
industrial: Brewery  
output: 4,5 t/h, 10 bar

### Gsellmann Mischfuttererzeugung GmbH

location: Gnas, Austria  
industrial: Feed industry  
output: 1 t/h, 8 bar



### Nahwärme Obertrum am See GmbH

location: Obertrum am See, Austria  
industrial: District heating  
output: 9 t/h, 12 bar





## URBAS HOT WATER PLANT

### Hot Water Plant

URBAS supplies biomass boiler systems with an output range of 1 – 50 MW as energy supply for industrial applications and district heating networks.

The tried, tested and proven complete solutions packages are customised to the requirements of the customer, starting with fuel logistics, continuing with the firing technology, flue gas treatment and de-ashing, up to the energy distribution.

VERSOWOOD

#### Versowood Oy

location: Riihimäki, Finland  
industrial: Sawmill industry  
output: 13 MW, 130 °C, 10 bar

MOELVEN

#### Moelven Mjosbruket AS

location: Biri, Norway  
industrial: Sawmill industry  
output: 8 MW, 120 °C, 6 bar

HOT WATER PLANT

## URBAS HOT WATER PLANT

### KLAUSNER



#### Klausner Holz Thüringen GmbH

location: Saalburg-Ebersdorf, Germany  
industrial: Sawmill industry  
output: 20 MW, 120 °C, 6 bar



picture of installation

#### S.A. Farges Père et Fils

location: Egletons, France  
industrial: Sawmill industry  
output: 6 MW, 110 °C, 4 bar

### PÖLKKY



#### Pölkky Oy

location: Taivalkoski, Finland  
industrial: District heating  
output: 12 MW, 140 °C, 8 bar



## URBAS HOT WATER PLANT

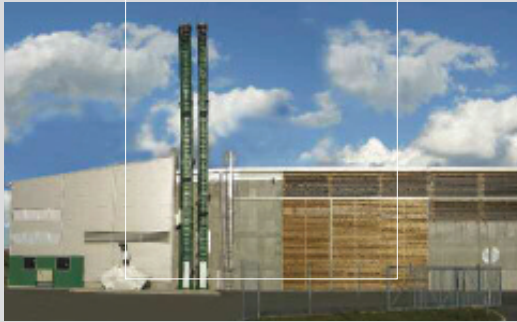
### Camphill Community Glencraig

location: Belfast, Northern Ireland  
industrial: District heating  
output: 1 MW, 110 °C, 7 bar



### Eko Toplota d.o.

location: Lenart, Slovenia  
industrial: District heating  
output: 3,5 MW, 120 °C, 16 bar



### Ilim Timber Bavaria GmbH

location: Landsberg, Germany  
industrial: Sawmill industry  
output: 20 MW, 120 °C, 6 bar



### Stadtwerke Mürrzuschlag GmbH

location: Mürrzuschlag, Austria  
industrial: District heating  
output: 2 MW, 110 °C, 6 bar



### EVN Wärme GmbH

location: Ternitz, Austria  
industrial: District heating  
output: 10 MW, 110 °C, 16 bar

### Iivari Mononen Oy

location: Höljäkkä, Finland  
industrial: Sawmill industry  
output: 5 MW, 165 °C, 15 bar



### Bio-Fernwärme Haid GmbH

location: Haid, Austria  
industrial: District heating  
output: 6 MW, 110 °C, 6 bar



### Mayr-Melnhof Holz Russland Beteiligung GmbH

location: Efimovskij, Russia  
industrial: Sawmill industry  
output: 20 MW, 110 °C, 6 bar





## URBAS COMPETENCE

The outstanding competence of URBAS is found in the combination of planning, manufacturing, installation and maintenance of biomass energy plant and equipment.

Highly qualified dedicated staff who are trained in the company's own internal training workshops, as well as the latest manufacturing and testing procedures guarantee the quality of URBAS plant. URBAS continuously develops new innovative energy systems and components in the company's own "Energy Research Centre" in order to expand its know-how in the field of biomass technology and to maintain its technological leadership.

Large-scale manufacturing facilities enable URBAS to prefabricate and deliver completed pieces of equipment with unit weights up to 150 tons. The company can also handle logistically challenging projects in a flexible way with its own special heavy loading equipment and its own rail connection. So far, URBAS has installed more than 1,000 plant, which prove their worth in daily operation – the best competence has been acquired over decades.







[www.urbas.at](http://www.urbas.at)

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**URBAS**  
energietechnik