



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_{el} 20 MW_{th}

URBAS CHP PLANT



YBBS



BioMa Energie AG

location: St. Andrä, Austria
industrial: District heating
output: 26 t/h, 65 bar
5,9 MW_{el} 14,9 MW_{th}



Biomasse Heizkraftwerk Ybbs GmbH

location: Ybbs, Austria
 industrial: District heating
 output: 29 t/h, 26 bar
 5 MW_{el} 18,5 MW_{th}



Bioenergieverbund Amstetten GmbH

location: Amstetten, Austria
 industrial: District heating
 output: 26 t/h, 65 bar
 5,9 MW_{el} 14,9 MW_{th}

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_{el} 8,3 MW_{th}

KLENK

Klenk Holz AG

location: Baruth, Germany
industrial: Sawmill industry
output: 39 t/h, 65 bar
7,7 MW_{el} 23,8 MW_{th}

URBAS CHP PLANT



Biomasse Heizkraftwerk Leiben GmbH

location: Leiben, Austria
industrial: District heating
output: 11 t/h, 26 bar
2,0 MW_{el} 7,2 MW_{th}



Brunner-Stern GmbH

location: Hohenberg, Austria
industrial: District heating
output: 7,4 t/h, 26 bar
1,7 MW_{el} 4,5 MW_{th}



Bioenergiezentrum GmbH

location: Klagenfurt, Austria
industrial: District heating
output: 26 t/h, 65 bar
5,2 MW_{el} 15,9 MW_{th}



Biomasse Energie GmbH
location: Villach, Austria
industrial: District heating
output: 13 t/h, 26 bar
2,4 MW_{el} 8,3 MW_{th}

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_{el} 20 MW_{th}



SCHWEIGHOFER



SC Holzindustrie Schweighofer SRL

location: Sebes, Romania
industrial: Sawmill industry
output: 40 t/h, 65 bar
8,7 MW_{el} 23,4 MW_{th}

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

PFIZER



PROCESS STEAM PLANT

URBAS PROCESS STEAM PLANT

Novartis Pharma Produktions GmbH

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

NOVARTIS



SPITZ





PROCESS STEAM PLANT



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





OBERTRUM

PROCESS STEAM PLANT

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.





MOELVEN

Moelven Mjosbruket AS

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

URBAS HOT WATER PLANT



KLAUSNER



picture of installation

Klausner Holz Thüringen GmbH

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

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 Müzzuschlag GmbH

location: Müzzuschlag, 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

livari 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

URBAS MASCHINENFABRIK GES.M.B.H.
Billrothstraße 7
9100 Völkermarkt, Austria

TEL. + 43 (0) 4232 2521-0
FAX + 43 (0) 4232 2521-55
e-mail: urbas@urbas.at
www.urbas.at

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