



















LIST OF REFERENCES

from residues to valuable energy

• Mayr Melnhof Karton Industrie	A 2652 Hirschwang	
• Drack GmbH & Co. KG Fernwärme	A 4644 Scharnstein	
• Balasso	A 8403 Lebring	
• Migros	CH 1920 Martigny	
• Dekorplattenwerk Hirschhorn	D 69434 Hirschhorn	
• Templin Holzindustrie	D 17268 Templin	
• Aichinger GmbH	D 90530 Wendelstein	
• Fackelmann GmbH & Co.	D 91217 Hersbruck	
• Fernwärme Wallsee	A 3321 Ardagger	
• Institut f. Energieforschung Joanneum	A 8010 Graz	
• Bylsma	NL 8800 Franeker	
• LAMILUX GmbH & CoKG	D 95111 Rehau	
• De Lange Recycling	NL De Leer	
• Grubmüller	A 3671 Marbach	
• Mohik GmbH & Co. KG	A 8130 Frohnleiten	
• FWG-Fernwärmeversorgung	A 3902 Vitis	
• Graf Deym'sche Rentenverwaltung	D 94424 Arnstorf	
• Marusic d.o.o.	SL 5291 Miren	

EVERY KIND OF BIOMASS/RESIDUES

You are able to use almost any kind of biomass and biogenic residues.

Due to the patented **AWINA BLENDING TECHNOLOGY** it is possible to use different residues simultaneously [mixed mode]. It doesn't matter if fuel is dust-sized or

moist (up to 60% water content). Our online emission and temperature controlled metering unit is world's first. It makes it possible to use varying biomass or biogenic residues at the same time in the same combustion reactor.



Timber bulk



Wood residues



Rejects



Commercial waste



Loppings



Sewage sludge

ALDAVIA® CLIENTS AND INSTALLATIONS/REFERENCES

The patented **AWINA®** Technology has been approved extensively with various fuels and is in successful operation in a big number of reference plants, Europe-wide.

Actually, one of the most interesting installations has put in operation at Mayr-Melnhof Karton Industrie [MMI]. In consequence of new regulation for waste disposal and raising disposal-costs a solution for the residues had to be found. The goal was: Don't disposal residues but rather make them profits. The formerly expansive disposed resi-

dues like paper sludge rejects from recycling paper, sewage sludge or mature wood are converted to valuable heat and power now. Cash savings on the one hand

and produced energy on the other make the investment profitable within 36 months.

At that installation **ALDAVIA®** gives proof of lowest emissions and environmental liability for **ALDAVIA®** quality products. MMI was convinced by expert knowledge of **ALDAVIA®**, especially as that plant of MMI is located in Hirschwang/Austria in a recreation area. Environmental policy and emission directives are rather rigorous and strictly controlled

The **AWINA®** Technology is able to under-run the values even far. A circumstance that isn't possible with other solutions but **AWINA®** Technology, in that range of performance, in a profitable way. The over-all erection time (engineering, manufacturing, erection, commissioning) was less than 12 month, by the way. Sophisticated modular units and innovative sub-assemblies combined with expert knowledge from ALDAVIA engineers make things like MMI going. Don't hesitate to call us, we will show you proper reference installations!

[Requests to: referencevisits@aldavia.com]



RANGE OF PERFORMANCE

ALDAVIA® CHP	thermal output	power output	effectiveness
AWINA® Reactor	500 kW - 30 MW		~ 85% [CHP total]
ALDAVIA® ORC module		200 kW - 2 MW	~ 19%
ALDAVIA® steam process		1 MW - 4 MW	~ 25%



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