

# CAW taps experience and professionalism to land major deals

Classen Apparatebau Wiesloch may be a relatively new outfit, but it is definitely not new in terms of experience. In less than 3 years, the German company has established itself as one of the leading suppliers and manufacturers of high-temperature heat generation systems.

**T**HE COMPANY was in existence for only more than two years but already, Classen Apparatebau Wiesloch GmbH (CAW) has established a strong foothold in the heat energy market.

Indeed, CAW may be relatively new, but the people behind the outfit certainly are not.

The founders of the company, Mr Norbert Classen and Mr Claus Albrecht, are veterans in the heat energy sector with decades of experience between them. Along with Mr Christian Schnadt, who joined in October 1998, CAW landed several installations worldwide, thanks to their vast experience and professionalism.

The latest is a turnkey, woodwaste fired energy centre with a gross heating capacity of 27 MW for a leading plywood producer in Latvia. The system was commissioned in the fourth quarter of 2000.

"This new energy plant was designed according to latest developments in combustion engineering and high-temperature heating technology," Mr Classen said.

"The heart of the plant forms a completely new multi-stage reciprocating grate with a grate surface of approximately 36 square metres, and a unique actuation system and a virtually wear-free grate bearing.

"A cyclone dust burner, mounted on top of the grate burner, serves as a modulating capacity control device. The whole energy demand of the production line will be covered by the utilisation of the factory's production waste, including bark and resin containing off-cuts."

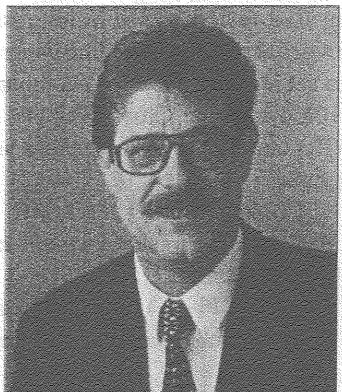
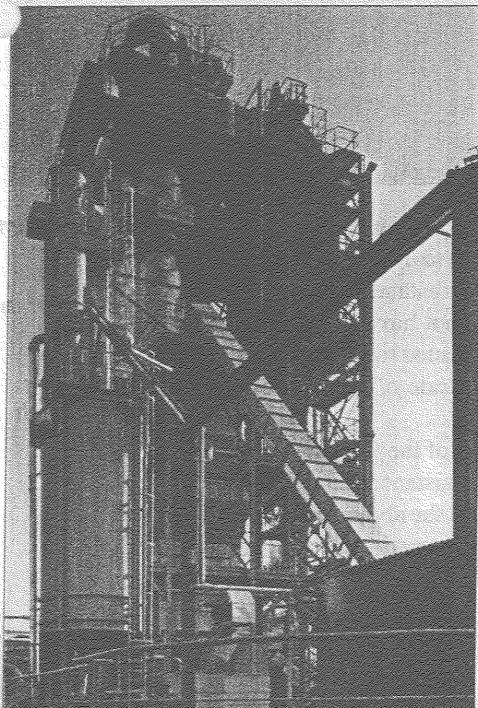
Mr Classen added that at a later stage, resin containing waste water will be burnt inside the grate burner. Thus, a very special design of the thermal oil heater was required.

A state-of-the-art heater system with split radiation and convection section was laid out to allow for greater flexibility in terms of fuel utilisation.

It also enables longer operation period without the need to shut down the plant when cleaning the heating surfaces. The sophisticated design of the heaters is completed by a steel shot cleaning system, which prevents the convection section from dust settlements and clogging.

Finally, the new energy centre will distribute thermal oil to a great number of log heating vats, veneer dryers and plywood presses. The entire heat distribution system, including the piping and hot oil transfer pump stations was also planned and designed by CAW.

In case of reduced heat consumption, an indirectly heated steam generator will produce steam which is fed into the factory's steam circuit.



Mr Norbert Classen

In its short history, CAW has been a name for itself in various industries, particularly woodworking and chemical.

Mr Classen attributed CAW's progress to its team of high-qualified professionals who offer customised solutions for all kinds of heating applications.

"The scope of supply and services reaches from basic engineering and planning to single plant components and turnkey projects," he said.

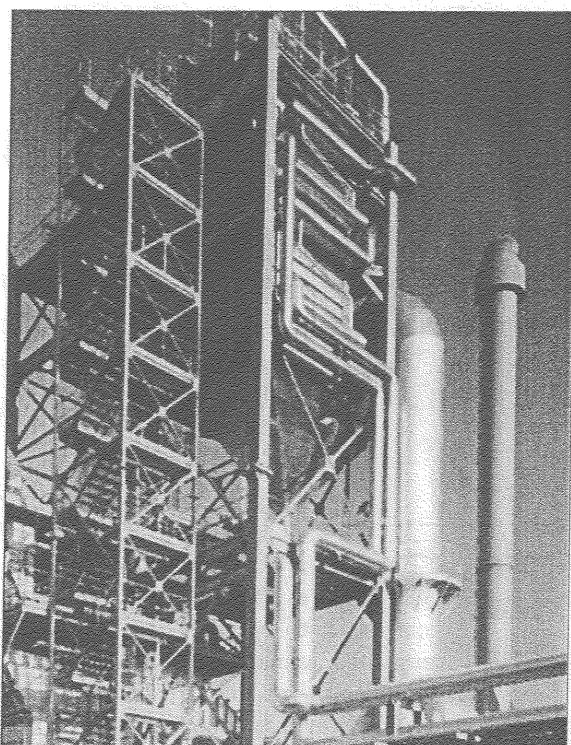
The company emphasises on state-of-the-art reciprocating grate firing system, which meets pollution regulations worldwide.

The system is applied to the thermal utilisation of production wastes for the wood processing and bio-mass industries.

Mr Classen revealed to *Panels & Furniture Asia* that CAW has exported its technology and systems to some Asian companies although its presence in Asia is not huge.

"Currently, we do not have a market in China but we will be looking for an agent in the country," he said.

For more information on CAW, please visit the company's website at [www.apparatebau-wiesloch.de](http://www.apparatebau-wiesloch.de).



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