

10% COST REDUCTION FOR PELLET PRODUCTION

An increasing number of pellet producers are utilising free energy from patented ERCS systems (Energy Recovery & Cleaning Systems) produced by Scheuch GmbH and at the same time protecting themselves against the effects of rising raw material and energy prices.

Used as a flue gas condensation plant for heat recovery, condensation heat is utilised for heating chip driers.

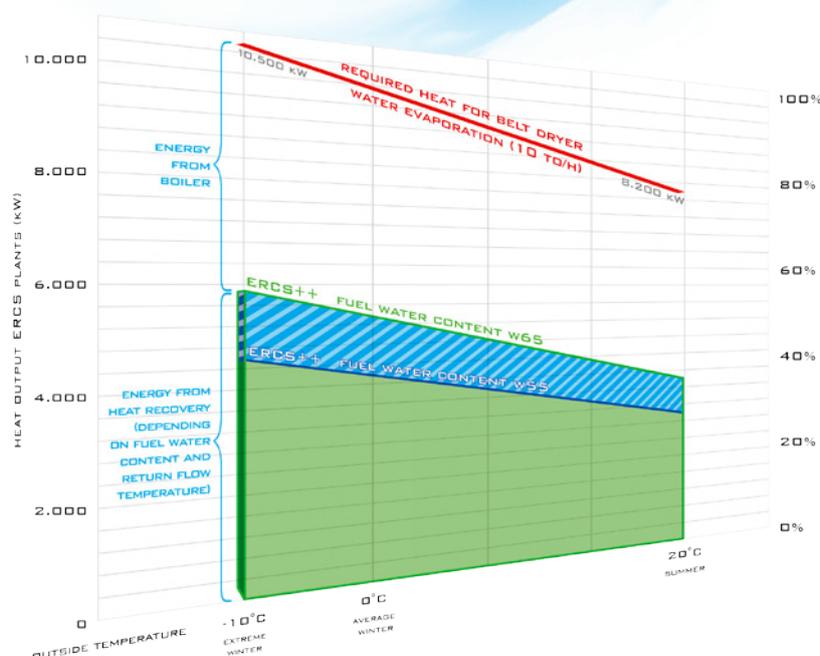
Up to 60% of the boiler thermal energy output of the otherwise unused flue gas can be recovered with heat recovery from Scheuch.

The power of the flue gas condensation plant increases the more humid the fuel and the lower the return temperature (outside temperature) from the chip dryer. With an appropriate modification to the chip dryer, the recovered heat from the flue gas condensation can be fully utilised. The proportion of heat required for chip drying, which is covered by the heat recovery, is between an annual average of 40% and 60%. Based on the costs of pellet production, this represents a saving of around 10%.

COST REDUCTION THROUGH HEAT RECOVERY AT THE PRODUCTION OF PELLETS



The expenditure for the integration of new ERCS systems or the retrofitting of existing ERCS systems in existing plants pays for itself within two years.



Based on a 10 MW boiler plant combustion capacity

The required drying output increases as the outside temperature decreases, which frequently gives rise to bottlenecks in the heating supply during the winter. Heat recovery plants make a considerable contribution to peak load coverage.

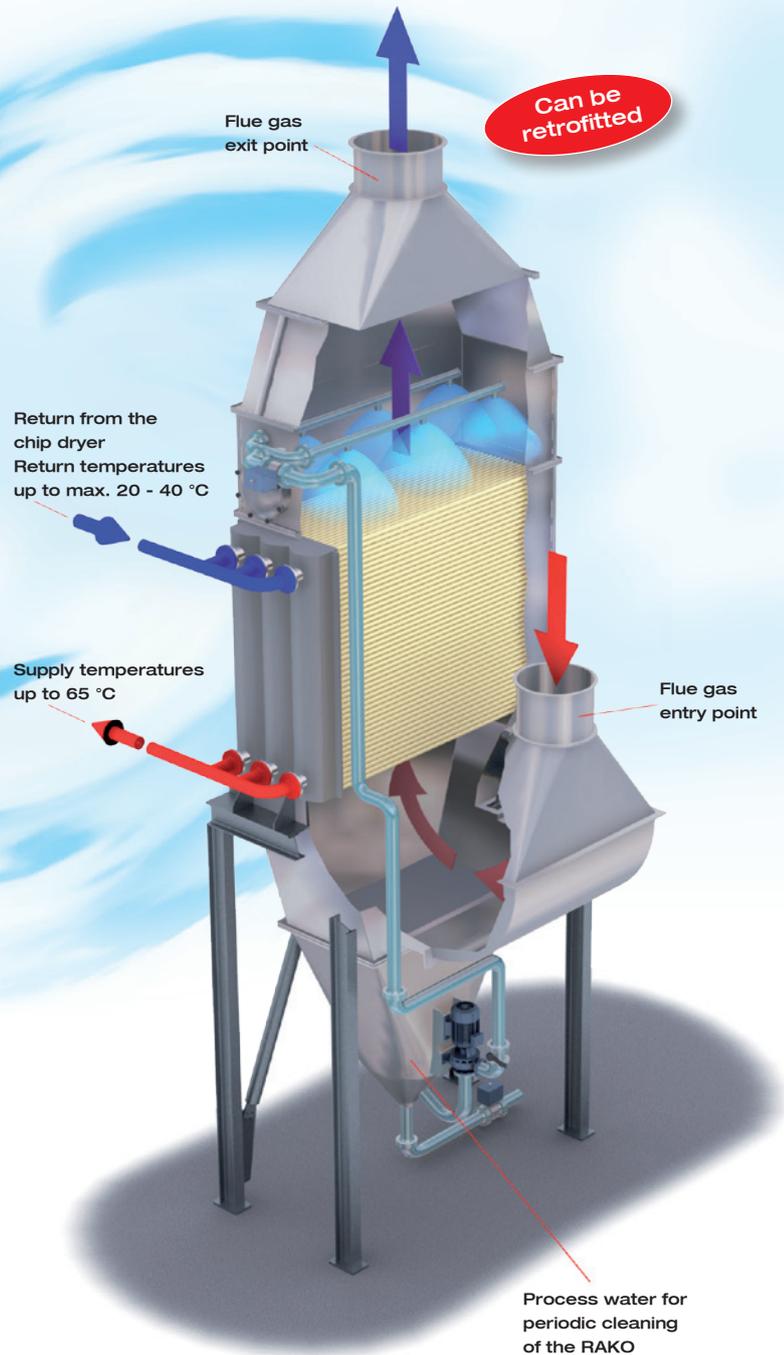
THE HEAT RECOVERY PLANT

Innovative overall concepts for boiler plants, heating systems, chip drying and ERCS plants have resulted in a number of cost-reducing synergies, whether in the planning of new plants, retrofitting or maintenance.

Operators of biomass heating and cogeneration plants in the output range from below 1 MW to 50 MW rely on the many years of experience and expertise from Scheuch.

Added profit in combination with ORC plants

When correctly integrated into the heating system, low-temperature heat from the heat recovery lowers the return temperature to the ORC process and often facilitates an increase in power production.



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TECHNOLOGY FOR CLEAN AIR

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