Mechanical Engineering

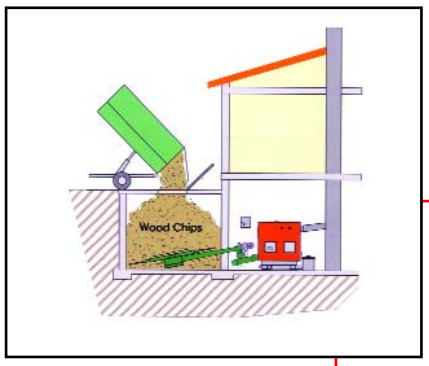
Wood Chips Heat Municipal Complex in Germany

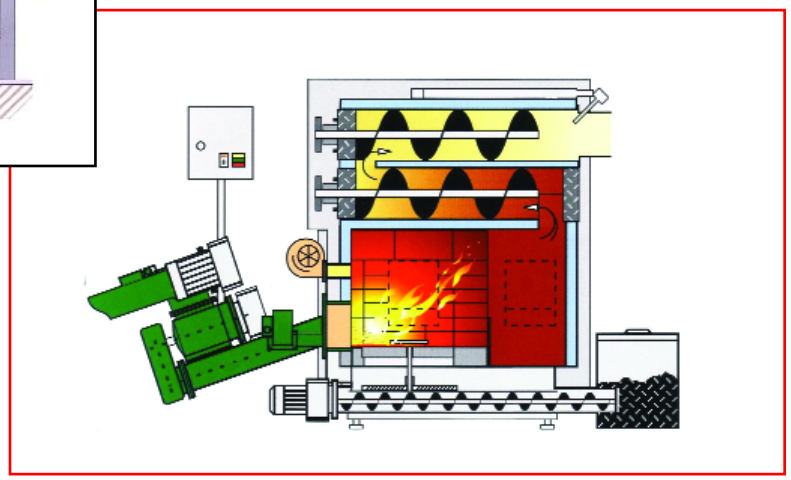
Seeking the most efficient and economical method for heating several school buildings, municipal facilities, and a future housing development, the City of Grossostheim in Bavaria, Germany turned to Buchart Horn for help.

Energy experts in Buchart Horn's Germany office performed an energy utilization study comparing costs for alternative heating sources such as wood chip boilers, solar systems, heat pumps, and biomass fuel (cultivating and burning of chipped elephant grass). The City selected a heating system that combined a wood chip fueled boiler and solar energy components.

Buchart Horn designed and managed the construction of a district heating system for the City which connected the heating systems of five municipal buildings in the community with a local gymnasium and municipal swimming pool system.

Two chipped wood-fired burners retrofitted with a high efficiency plate heat exchange system generate the steam, which is distributed through underground piping. Fiber optic cable was also installed with the piping for data transmission to a centrally located control and monitoring system designed by Buchart Horn.





BUCHART HORN,INC.