

# BIOMASS

## Biomass Boiler Renovation



**SMURFIT-STONE CONTAINER CORPORATION**  
**Biomass Boiler Renovation**  
Hodge, Louisiana USA

**Start Date: November 2005**  
**Completion: June 2006**  
**TIC: \$17.1 Million**  
**HGA: 12,000 Man-hours**

### Description

In the November of 2005, Smurfit-Stone Container Corporation (SSCC) contracted Hunt, Guillot & Associates, LLC (HGA) to assist in the renovation of a biomass boiler at their Hodge, LA paper manufacturing facility. The owners felt that as the use of biomass fuel increases, the ability to receive rougher or less-processed material will allow them to obtain fuel at competitive prices, thus making the renovation investment worthwhile.

### HGA Scope

The project included the complete replacement of the fuel receiving, storage, and retrieval systems for a wood-fired boiler. HGA was selected to perform the detailed engineering for the new fuel handling and delivery system. The design was for the system to be able to process and store 150 tons per hour of a wide variety of incoming wood material – ranging from finely ground sawdust to blocks 108 inches long. The major components of the system included a new truck dumper, screen and grinder, a circular stacker reclaimer, and all of the interconnecting conveyors to supply the biomass to a new fuel bin in the boiler building. HGA also supplied expertise in construction management to ensure no delays in the project schedule as well as a successful start-up.



**HUNT, GUILLOT AND ASSOCIATES, LLC**  
*Project Managers & Engineers*  
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