

# CASE STUDY



## Power Plant Conversion - Wood Biomass

**Product:** Big Round Filter, Cyclones, Airlocks  
**Size:** (2) BRF 13-416-12 with High Entry Inlets  
(2) ISH-96 HE Cyclones  
(2) ALHD-24 Airlocks

### Challenge:

The customer was one of the first power plants in the United States to convert a coal-fired power plant to a wood-fired. By implementing our system, the coal usage has been reduced by 30%.

### Solution:

The customer contacted Jeremiah Wann, President, to design a system to handle their tough application of handling all of the wood dust from the hammermills. The engineer's at Imperial Systems, Inc. quickly got to work. They specified two ISH-96 cyclones to separate the heavy material. The fine material is filtered through two BRF units at a 6:1 air to cloth ratio.

Despite the customer maintaining a long standing relationship with our competitors, we were able to gain the customers' trust by specifying high quality equipment.

