Scope of Service

In addition to the stoker fired waste fuel boilers, JANSEN conducts evaluations on Bubbling Fluidized Bed (BFB) and Circulating Fluidized Bed (CFB) boilers. Our services include the following:

- Field testing to collect operating data and establish performance and baseline conditions.
- Engineering evaluation of critical design and operating parameters.
- Analysis of erosion factors.
- CFD modeling.
- Fuel conversion to biomass burning.
- Steam/water circulation analysis.
- Determination of conceptual boiler modifications.
- Budgetary cost estimates.
- Addition of in-bed heating surfaces.
- Over-bed combustion air delivery.
- Incineration of HVLC and LVHC NCG.

Selected References (see next page)
Selected References
Fluidized Bed Boilers - Bubbling / Circulating (BFB / CFB)

Boise Cascade - Rumford, ME
Bowater, Inc. - Calhoun, TN
Catalyst Papers - Port Alberni, BC
Catalyst Papers - Powell River, BC
Domtar, Inc. - Hawesville, KY
Domtar, Inc. - Kingsport, TN
Georgia-Pacific - Clatskanie, OR
Greenleaf Desert View Power - Mecca, CA
International Paper Company - Courtland, AL
Mondi SCP - Ružomberok, Slovakia
ReEnergy Holdings - Black River, NY
Sonoco Products Co. - Hartsville, SC
S.P. Fiber - Dublin, GA
Tacoma Public Utilities - Tacoma, WA
Thailand Biomass Boilers - Thailand