

## PROJECT CAPABILITIES



### PROJECTS OUTSIDE OF U.S. & CANADA



#### Projects Outside of U.S. & Canada

Since our inception in 1976, JANSEN has completed a variety of projects outside of the U.S. and Canada in Europe, Central and South America, Asia, Africa, and the South Pacific. The type of project and scope of work included:

- Biomass Boiler Evaluations (see Capabilities C-02)
- Biomass Boiler Combustion System Upgrades (see Capabilities C-03)
- Recovery Boiler Performance and Engineering Evaluations (see Capabilities C-04)
- Recovery Boiler Capacity Upgrades (see Capabilities C-05)
- Computational Fluid Dynamics (CFD) Modeling (see Capabilities C-06)
- Boiler Circulation Studies (see Capabilities C-07)
- Ultrasonic Flow Monitoring (UFM) of Boiler Circulation (see Capabilities C-08)
- Superheater Corrosion Prevention (see Capabilities C-14)
- Sulfite (SSL) and Soda Liquor Recovery Boilers (see Capabilities C-17)
- Fluidized Bed Boilers Bubbling/Circulating (BFB/CFB) (see Capabilities C-18)
- Recovery Boiler Audits
- Recovery Boiler Operations Training Seminars

**Selected References (see next page)**

## **Selected References Projects Outside of U.S. & Canada**



APRIL Group - Rizhao, China (2 boilers evaluated)  
Asia Pulp & Paper - Perawang and Lontar, Indonesia  
AssiDomän Sepap - Štetí, Czech Republic  
Australian Paper Maryvale Mill - Morwell, Australia  
Bahia Specialty Cellulose S.A. - Camaçari, Brazil  
Bracell Ltd. - Lençóis Paulista, Brazil  
BTG Slovensko (Chemes) - Hummene, Slovakia  
Bukocel - Hencovce, Slovakia  
Bunge - Lehliu, Romania  
CAIG, S.A., Ingenio Madre Tierra - Santa Lucia, COTZ, Guatemala  
Caracol Knits - San Pedro Sula, Honduras (2 units)  
Cargill - Mairinque, Brazil  
Cargill - Minga Guazú, Paraguay  
Cargill - Ponta Grossa, Brazil  
Cargill - Primavera do Leste, Brazil  
Cargill - Três Lagoas, Brazil  
Cargill - Uberlândia, Brazil  
Cargill - Yangjiang, China  
Carter Holt Harvey - Kawerau, New Zealand  
Carter Holt Harvey Pulp & Paper Ltd. - Tokoroa, New Zealand (2 units)  
Carvajal - Cali, Colombia  
Champion Papel e Celulose Ltda. - Mogi Guaçu, Brazil  
Cofely - GDF Suez - Saillat, France  
Grupo Cassa - Izalco, El Salvador  
Hyne Timber - Queensland, Australia (2 plants evaluated)  
International Paper Company - Luíz Antônio, Brazil (2 units)  
International Paper Company - Mogi Guaçu, Brazil  
International Paper Company - Saillat, France  
International Paper Company - Svetogorsk, Russia (2 units evaluated)  
Klabín - Ortigueira, Brazil  
Mondi Group - Richards Bay, South Africa  
Mondi Group - Ružomberok, Slovakia (3 units)  
Mondi Group - Syktyvkar, Russia  
Portucel - Cacia, Portugal  
Sappi - Ngodwana, South Africa  
SES - Tlmače, Slovakia  
Smurfit Cartón de Colombia - Cali, Colombia (2 units upgraded)  
Smurfit Mocarpel - San Felipe, Venezuela  
Suzano Papel e Celulose - Suzano, Brazil  
Tartas S.A. - Tartas, France  
Tasman Pulp and Paper Co. Ltd - Kawerau, New Zealand  
Thailand Biomass Boilers - Thailand  
Visy Pulp and Paper - Tumut, Australia