Bubbling fluidized bed boilers

Our Bubbling Fluid Bed steam generators have a history of reliable operation and have brought value to many clients due to their ability to burn high moisture and high ash fuels. We have progressively advanced the state of BFB technology by incorporating design improvements like our rugged step grid, staged air mixing and gas recirculation systems.

- Stepped grid for most difficult fuels
- Conventional grid for cleaner fuels
- Fuel gas recirculation for bed temperature control avoids in-bed tubes
- High gas residence time to ensure lowest dioxin, CO, and fly ash carbon
- Multiple levels of secondary air to minimize NOx formation
- Retractable soot blowing to maintain high boiler efficiency and long tube life

**Bubbling Fluidized Bed boilers**

---

<table>
<thead>
<tr>
<th>Project</th>
<th>Location</th>
<th>Customer</th>
<th>Start-Up Year</th>
<th>Capacity</th>
<th>Fuel</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Biomass de cantabria at Reocin</strong></td>
<td>Reocín, Torrelavega, Spain</td>
<td>Ingeteam Power Plants, S.A.</td>
<td>2012</td>
<td>10 MWe</td>
<td>Biomass</td>
</tr>
<tr>
<td><strong>Wilton</strong></td>
<td>Middlesbrough, England</td>
<td>SembCorp Utilities (UK) Limited</td>
<td>2007</td>
<td>31 MWe</td>
<td>Short Rotation Coppice (SRC)</td>
</tr>
<tr>
<td><strong>Portucel Viana</strong></td>
<td>Viana do Castelo, Portugal</td>
<td>Stora Enso Hytyle AB</td>
<td>2006</td>
<td>11 MWe</td>
<td>Biomass</td>
</tr>
</tbody>
</table>
Our vision is to provide sustainable energy solutions through decarbonization, decentralization and digitalization of the energy industry. Our capabilities cover customer needs in the fields of power generation utilizing circulating fluidized bed (CFB) technologies, long term energy storage, and related network services. We continuously broaden our portfolio of products and services by advancing our in-house technologies and developing further alliances with new partners.

Our Values

- Respect for people.
  Valuing and inviting differing views and ideas

- Committed to customers.
  Exceeding expectations and providing value

- Safety, integrity and teamwork.
  Incorporating ethics in everything we do

- Ownership of results.
  Personally ensuring that success is achieved

- Passion to innovate and grow.
  Setting challenging goals for growth

www.shi-fw.com