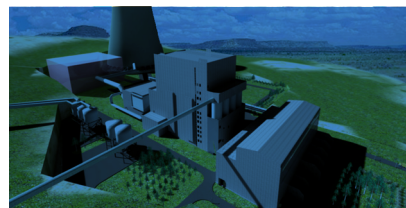


Oxy-300-CFB Demonstration Project

Development of Flexi-Burn CFB CCS technology



Project summary

Location: Ponnerrada, Spain
 Customer: CIUDEN and Endesa
 Duration: 2009-2014
 Scope: Design and supply of CFB for testing our Flexi-Burn™ carbon capture CFB technology

- ▶ We teamed with Endesa, Spain's largest utility, and the Spanish Foundation, Fundación Ciudad de la Energía (CIUDEN) to execute the technology development phase of this Spanish CCS demonstration project.
- ▶ The team built a 20 MWth CCS pilot plant demonstrating our advanced Flexi-Burn™ CFB technology and developed a design for a full-scale 300 MWe CCS plant.
- ▶ Flexi-Burn™ CFB technology is designed to easily transition between conventional and CCS modes while utilizing the CFB combustion platform to provide wide fuel flexibility.

Plant thermal capacity (Gross)	20 MWth	
Steam Flow (SH)	41.8 tph	92 kpph
Steam Pressure (SH)	30 barg	427 psig
Steam Temperature (SH)	460 °C	860°F
Fuel	Anthracite coal	

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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



Sumitomo
SHI **FW**