The JEA Northside Repowering Plant is in service and producing power that will benefit its customers today and into the future. The 2 x 300 MW (net) power plant utilizes Sumitomo SHI FW’s circulating fluidized-bed technology that can accommodate multiple solid fuels to generate power. Petroleum coke, an oil refining byproduct, and bituminous coal fuels these units.

- Won 2002 “Power Plant of the Year”
- EPC contract for expended boiler islands
- New CFBs lowered site power cost by 50%, reduced site

### Project summary
- **Location:** Jacksonville, FL, USA
- **Customer:** Jacksonville Electric Authority
- **Duration:** 1997-2001
- **Scope:** Two CFB boilers, fuel feed systems, polishing scrubbers and stack

### Plant Electrical Output (Gross/Net)
- 2 x 330/2 x 300 MWe

### Steam Flow (SH/RH)
- 905/805 tph
- 1991/1771 kpph

### Steam Pressure (SH/RH)
- 181/40 barg
- 2620/580 psig

### Steam Temperature (SH/RH)
- 541/541°C
- 1005/1005°F

### Fuel
- Petroleum coke, bituminous coal
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