

Igniter System Upgrade on Wall-fired and T-fired Boilers

Carbon II, Mexico

2 x 350 MW Front-Fired and 2 x 350 MW Tangential Coal-fired Power Station

Boiler supplied by Mitsubishi/Foster Wheeler

20 x Heavy Oil igniters on each Boiler



Before

- OEM step-up transformers were outdated and no longer supported
- The existing power packs were rated at 12 Joules stored energy
- The cost for alternative power packs with 20 Joules of energy are very high

After

- Safe Fire's solid state S-80-02-A High Energy Spark Igniter was installed
- Close cooperation between the end user and Safe Fire's technical staff made the transition easy
- The stored energy rating for the S-80-02-A is 33 Joules

Results

- Increased stored energy and spark quality for heavy fuel oil ignition
- Significant cost savings to the end user.
- Low maintenance