

Flame Detection System Renovation on Arch-fired Boiler

Hai Phong, Vietnam

4 x 300MW Coal-Fired Power Station

Boiler supplied by Dongfang Boiler Group Co., Ltd. (China)

24 Oil Igniters, 24 main coal burners



Before

- The working temperature range of the existing flame detectors is -20 to +70°C
- Flame status is unreliable while the flame scanners were overheated
- Frequent replacement and service and was required on flame detection equipment

After

- Safe Fire's W-Flame detection system was installed and demonstrated its effectiveness in the demanding environment
- Temperature tolerance is +85°C
- Integrated scanner/amplifier design simplifies installation

Results

- Increased flame detector temperature resistance by 20%
- Decreased uncertainty in flame status
- Lowered equipment costs and the need for frequent maintenance