

Flame Detection System Renovation on T-Fired Boiler

Ha Tinh Power Plant, Vietnam

1 x 150MW Tangential Coal-Fired Power Station

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

8 Oil igniters, 16 Main Coal burners



Before

- Existing flame detectors were regularly damaged by rain water ingress
- Existing Flame scanner's performance become erratic when exposed to higher temperatures
- Flame detector failure rate is high

After

- Safe Fire's integrated W-Flame detector was installed with minimal system change
- Although the W-Flame is IP-66 rated, the scanner orientations were adjusted to avoid collecting water
- W-Flame's Max operating temperature is +85°C

Results

- Increased overall flame detector performance and temperature resistance
- Decreased plant interruptions from erroneous flame status
- Decreased the need for frequent service due to water damage