

Fireye Provides Optimum Discrimination and Reliability

Petkim Refinery Aliaga -Izmir Turkey



Petkim Refinery in Aliagalzmir is one of the largest refineries in this western Turkey region.

The power plant alone consists of four 250MW tangentially fired boilers firing heavy fuel oil and refinery gases in addition, it also has many gas fired heaters.

The refinery had a specific application with difficult requirements. The application required high discrimination between the corner fired burners and the center fireball. The plants configuration of three levels of burners also added to the complicated background discrimination the project required.

Fireye engineers studied the project in detail and supplied a technical proposal specifically designed to meet the end users requirements.

Petkim reviewed various proposals and considered both technical and commercial issues. Fireye was chosen because of their technical expertise and their high level of local support via their distributor EPA based in Ankara.

Fireye installed two dozen 45RM4 multi bandpass, infrared, flame scanners coupled with an equal number of 25SU3-2000 amplifiers, allowing for precise selection of the optimum flame flicker frequency and sensitivity to achieve perfect discrimination for the target flame and optimum reliability and availability.

Key Application Requirement **Optimum Discrimination for Heavy Fuel Oil and Refinery gas in a Tangentially Fired Boiler Application**

SITE DETAILS:

Two 250MW tangentially fired boilers firing heavy fuel oil/ refinery gas

24 x 45RM4 flame scanners

24 fiber optic assemblies

24 25SU3-2000 flame amplifiers

Dual Control panel specially designed and built by Fireye



The Flame Safety Specialists

3 Manchester Road • Derry, NH 03038 • USA
603- 432-4100 • FAX: 603- 432-1570
www.fireye.com