



Lions Gate Hospital Implements Autoflame's Complete Boiler Control/Exhaust Monitoring Solution

"We installed the Autoflame System on the new Clayton Steam Generator for Lions Gate when it arrived from the Clayton Industries factory. It is a 350Bhp Clayton Steam Generator with a dual-fuel (Natural Gas and Diesel) Clayton Burner. We installed a Mk6 Controller and Mk6 EGA unit. From what I saw during commissioning the efficiency value shown on the Mk6 EGA during NG firing was 86%, and reached 89% during diesel firing, which was pretty impressive."

Neville Smith, CTech, Pacific Boiler Limited

Lions Gate Hospital sought a new boiler solution that would not only reduce fuel consumption, but also provide ongoing recording and analysis of emissions. A dual-fuel solution was selected, and Autoflame's boiler management system was selected to monitor and control the system.

The Mk6 Controller provides complete management of the system's fuel/air mix, flame safeguard, VSD and other key components. The Mk6 EGA samples exhaust flue and evaluates it for O₂, CO₂, and CO. This data provides the controller with information it uses to adjust fuel/air ratio (trim) for optimised combustion.

Existing Equipment:

One 350Bhp CB boiler and burner

Solution:

Autoflame Mk6 Controller and Mk6 EGA

Benefits:

- 8-10% fuel usage reduction
- Reduced maintenance costs

Implemented by:

Pacific Boiler Ltd, an Autoflame-Authorized Technology Center