### AUTOFLAME SERVICE & SUPPORT

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# CONCRETE MANUFACTURER SOUTH EAST, ENGLAND

- Upgrade of existing GP Unigas burners deemed end of their life cycle to Limpsfield Gas Fired burners complete with POD mounted Autoflame Mini Mk8 controls.
- Customer brief included syncing upgraded burners and controls with on-site BMS system to control heat demand.

### 🕀 PROBLEM

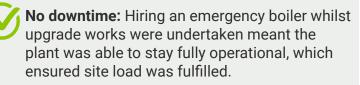
- · Our team was initially called to site to provide emergency support as one of the client's burners was in a state of disrepair. Therefore, with only 2/3 boilers operating, the site load was not being fulfilled.
- Low reliability of current burners meant a longer-term Following a site meeting, a boiler & burner upgrade solution was required to ensure reduced downtime.

### 💫 GOALS

1. To get the faulty burner/boiler up to an **operational** standard, whilst meeting efficiency goals as a lead boiler (in line with **BG01 arrangement 3**).

#### 2. **Reduce downtime** of the plant.

# **RESULTS**

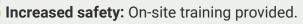




Increased reliability: Existing equipment was modernised to improve reliability and therefore unscheduled downtime.



Emissions monitoring & control: With the installation of a Mk8 EGA Evo, emissions can be monitored and adjustments can be made via the Mk8 MMs' 3-parameter trim to ensure efficient combustion.



## STRATEGY

- As a short-term solution, a temporary hire boiler was installed in order to keep the site fully operational. This enabled our engineers to perform urgent works on the existing boiler to bring all three boilers back to full operation, without the need for downtime.
- was agreed as per our team's recommendations. The old, non-operational burner, was replaced with a Limpsfield LCN123 burner with Autoflame controls & panel. This allowed for new features including: water level controls, TDS and bottom blowdown.
- The job was predicted to take 4-weeks, however it was completed ahead of schedule.
- Insurance inspection and NDT works were carried out as part of the project upgrade.
- · On-site training was given to operators to ensure a comprehensive and safe handover.

## **EQUIPMENT**

- **Pre-Existing**  1 x Cochran boiler
  - 1 x Cochran burner
  - 1 x Siemens controls panel
  - 2 x Cochran Thermax boiler
  - 2 x Hamworthy Electrotec burner (1 operational)





1 x Autoflame Mk8 MM



1 x Autoflame Mk8 EGA Evo