

COOKRIDGE FIRE STATION

Boiler Replacement



KEY FACTS

- Project: Boiler replacement, Cookridge Fire Station
- Services: Boiler replacement, BMS installation
- Client: West Yorkshire Fire & Rescue Service
- Duration: 4 weeks
- Division: Mechanical

CASE STUDY



In commercial buildings, providing heating and hot water can account for up to 60% of the total energy footprint, so efficiency and environmental considerations are often key drivers for upgrading HVAC building services. When West Yorkshire Fire & Rescue Service (WYFRS) were looking to upgrade facilities at their fire station in Cookridge, Leeds, they turned to Mitton Group to provide a cost effective and efficient solution.

The Mitton team began by stripping out the old heating system and water heater, replacing this with a gas fired cascade condensing system which successfully combines advanced technology with controls to maintain maximum operating efficiency, delivering cost benefits and operational reliability.

The immersion heater for hot water was replaced with an indirect cylinder, which means the hot water is fed by the heating system, providing added efficiency. All radiator valves were replaced, and a new building management control system installed.

The Mitton team faced a number of challenges with this project, which included a tight time window to handover as well as operational issues; Cookridge Fire

Station is a 24 hour manned base, so all working gear and equipment had to be kept clear and out of the way at all times so as not to impede personnel and vehicles in the event of an emergency call-out.

The work was completed on time and to budget, and Mitton Group has now also replaced the boiler at WYFRS Meltham Fire Station to benefit from similar operational efficiencies.



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