

Full Boiler Replacement for a Company Headquarters in North Yorkshire



Project Details

Completed	2024
Sector	Commercial
Location	North Yorkshire
Type	Mechanical, HVAC

Project Scope

- ▶ Design, installation and commissioning of six condensing boilers
- ▶ Installation of new pipework and flues
- ▶ Stripout and removal of old boilers
- ▶ Pre-installation testing and resetting of commissioning valves
- ▶ Post-installation flushing, dosing and filtration of the new system

The project involved the complete overhaul and replacement of a Gas-Fired Boiler System with new state-of-the-art Condensing Boilers. We designed, installed, tested and commissioned six new gas-fired boilers, including stripping out and removing the old boilers and pipework, installing new gas pipework, flow and return pipework, and installed a dedicated flue system which vented to atmosphere.

Before commencement of this project, we were instructed to undertake readings from the commissioning valves installed throughout the system and compare this to the original installation plans. Any readings that were found to be incorrect were reset and retested for the client.

The gas-fired boiler installation consisted of replacing nine inefficient noncondensing boilers with six new energy-efficient condensing boilers. By using the existing footprint of the old boilers, we were able to keep pipework alterations to a minimum, keeping downtime for the client as low as possible.

The installation of a new flue system under Gas Regulations was required. This was installed using twin wall-insulated stainless steel flues. This pipework exits the boilerplant in the basement and rises internally through six floors before terminating to atmosphere.

After installation, a regime of flushing, dosing and filtration was undertaken in order to give the new boilers as much protection as possible.



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