

HVAC & Mechanical Upgrades at a Medical Facility in Bradford



The project focused on installing energy-efficient ventilation, flexible air conditioning, and new welfare facilities to support the operational needs of the new occupants while maintaining a clean, aesthetically minimal installation within the workspace.

Through carefully planned mechanical services integration, the units now benefit from improved indoor air quality, user-controlled climate systems, and upgraded welfare facilities, helping support staff wellbeing and day-to-day productivity.

Watsons Building Services supplied and installed a complete package of mechanical services, including heat recovery ventilation, single-split air conditioning systems for heating and cooling, ventilation and air conditioning controls with new BMS integration, new WC installations and sanitaryware.

The primary technical challenge involved space allocation for sanitaryware and ventilation ductwork within the existing unit layout. Watsons Building Services worked closely with the ventilation and air conditioning manufacturers, and project partners on site to develop a layout that ensured:

- Efficient routing of ventilation ductwork
- Practical placement of sanitaryware
- Long-term accessibility for maintenance engineers
- Minimal disruption to the building layout

This collaborative approach ensured both system performance and serviceability were prioritised during installation, delivering a practical, energy-efficient mechanical solution that improves comfort, air quality and usability for patients and staff, without unnecessary complexity.



Project Details

Completed	2025
Sector	Healthcare
Location	Bradford
Type	HVAC, Plumbing, BMS

Project Scope

- ▶ 2 heat recovery ventilation units
- ▶ Bell-mouth extraction systems and side duct air diffusers
- ▶ Single split air conditioning systems
- ▶ BMS controls allowing occupants to adjust fan speeds, temperature and operating modes
- ▶ New WC installation to support the staffing levels within the unit
- ▶ Mixer tap installations to ensure safe water delivery
- ▶ Coordination and installation of sanitaryware, ductwork and associated mechanical services



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