

Northumbrian Water Ltd Howdon Labs & Offices

Commercial and Retail



Client: Northumbrian Water Ltd

Value: £1.5 million

Completion: May 2012



Integrate



Innovate

Project Overview

Northumbrian Water provides water and sewerage services to 2.7 million people in the North East of England. To support with their expansion plans, Opus Building Services were commissioned by main contractor PF Burridge & Sons Ltd to undertake the refurbishment of mechanical and electrical services at Northumbrian Water's office and laboratory in Howdon, Tyne and Wear.

A large and important aspect of the contract involved the provision of individually controlled systems to supply separate laboratory areas via 5 separate plant rooms including the renewal of existing heating and chilled water mains systems. Works also included the design of ventilation systems and specialist fume extract ventilation systems to fume cabinets. Opus also designed and installed new VRF comfort cooling systems within the various laboratory areas.

All works were successfully carried out to meet the clients requirements and to an exceptionally high standard.

Services included:

- Dali Intelligent Lighting System
- Small Power and Dado Trunking
- Pathfinder EM System
- New Transformer and HV/LV Distribution System
- FA Installation
- Fire and Security Installation
- BMS Installation
- Data Wiring Installation
- Replacement of Major Plant and Services
- 6 Air Handling Units
- 1 Air-Cooled Chiller Unit
- 16 Roof Mounted Fume Extract Fans
- AHU Ventilation System and Controls
- Full A/C Installation
- 5 Indoor and 2 Outdoor Condensers
- Specialist Laboratory Fume Extract Fans
- AHU Ventilation System and Controls
- Full A/C Installation
- 5 Indoor and 2 Outdoor Condensers
- Specialist Laboratory Fume Extract System
- Domestic Services and Drainage