

Case Study

+ Mechanical & Renewables

+ Electrical

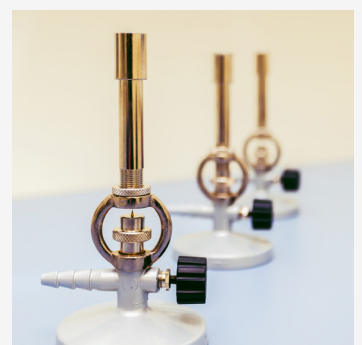
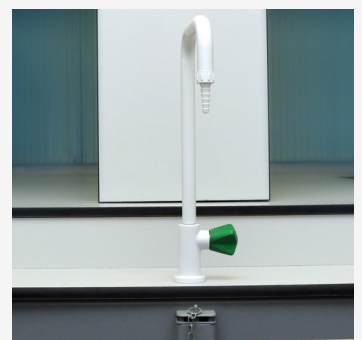
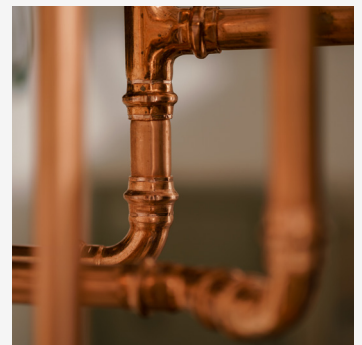
Saracens School

Following severe flood damage, our team was appointed to safely remove and fully reinstate the mechanical and electrical services within several science laboratories.

The project required extensive coordination, compliance with updated safety standards, and the installation of independent services across multiple classrooms.

Client Benefits

- + **Safety First:** All services were isolated, replaced, and tested to ensure complete safety and regulatory compliance.
- + **Upgraded Systems:** New point-of-use (POU) water heaters installed to meet G3 regulations and improve efficiency.
- + **Multi-Classroom Access:** Independent gas and water supplies reinstated to support flexible and uninterrupted lab usage.
- + **Compliance & Certification:** All gas works were certified by a registered Commercial Gas Safe engineer.
- + **Professional Delivery:** Seamless integration with the project team ensured the programme remained on track.



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Services Provided

- + Isolation and removal of flood-damaged mechanical and electrical systems
- + Installation of new domestic cold feeds to individual sink stations using press-fit copper pipe
- + Supply and installation of 10L POU water heaters (G3 compliant)
- + Chlorination, testing, commissioning, and balancing of hot water systems via TMVs
- + Installation of heating system pipework in screwed iron, including expansion bellows
- + Insulation of all new pipework with mineral insulation
- + Installation of new gas feeds in TracPipe to multiple gas taps across classrooms
- + Certification of gas works by a Commercial Gas Safe Engineer
- + Final handover with comprehensive Operation & Maintenance (O&M) manuals

Project Details

The scope involved the complete mechanical and electrical reinstatement of flood-damaged science laboratories across multiple classrooms. Press-fit copper pipe and TracPipe were used for water and gas supplies respectively, with heating systems installed in screwed iron and fitted with expansion bellows. Point-of-use 10L water heaters were installed to comply with G3 regulations, and all works were insulated with mineral pipe lagging. A registered Commercial Gas Safe engineer certified all gas-related installations. The project concluded with successful commissioning and full O&M documentation.

