



Alliance Leisure



Pool refurbishment
& thermal
improvements



March 2026



20 weeks

Project Overview

The major refurbishment of the Historic swimming facility and incumbent filtration plantroom, with the challenges of 50+ year old pool presents. With multiple stakeholders, local charity funding trustees and live shared facilities including the secondary school adjacent requiring careful co-ordination. Included within our scope was decarbonisation works which required substantial shell upgrades and implementation of modern solar thermal pool heating solution.

Careful management of trustee murals within the pool hall and wrapped landscaping had to be managed throughout.

Within the pool major structural repairs and alterations, full removal and replacement of filtration system inclusive of enhancement of system. Upgrades of electrics, earthing and drainage were brought in as the repairs were concluded.

Roof required repair, strengthening and replacement of lining to a modern composite alternative, with the inclusion of a solar thermal heating to compliment the upgraded filtration.

External walls were repaired and upgraded with insulated render

The pool was reconfigured and modernised to be more inclusive and cement its future business model, whilst being given a fresh appeal it retained some of its original character with the murals and artwork being enhanced by the pool surround finish.

The completed development now provides visitors with a modern, energy efficient and accessible leisure water environment whilst maintaining the distinctive markers of the original facility.

The Challenge

The existing facility required substantial investment to address:

- Life expired Filtration (above and below ground) system and electrical systems
- Deteriorating and dilapidated pool finishes and structure/infrastructure, limited accessibility, current limitation configuration



Universal Group

1st Floor, Ashbrook House
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- Aging, Damaged, dilapidated and energy deficient roof structures
- Energy deficient cavity walls
- Significant maintenance requirements and energy consumption
- Compliance challenges associated with modern building standards
- Delivering refurbishment works within a live leisure building, current school grounds, surrounding externals open to the public. Logistics being challenging with minimal access availability.

The complex nature of the project required careful coordination between designers, specialist pool contractors, leisure stakeholders and school.

Scope of Works

Structural & Building Fabric

- Major structural repairs and strengthening works to pool shell
- Easy Access stairs constructed
- Complete reroofing works and strengthening works to frame
- Refurbishment of existing pool hall structures
- Building envelope improvements and building fabric enhancement including insulated render

Pool Refurbishment & Water Treatment

- Complete refurbishment and relining of pools and pool surround
- Replacement filtration equipment and water treatment systems including all underground pipework
- New circulation pipework and associated infrastructure
- New earthing system and upgraded electrical supplies
- Upgraded pool plant systems including new UV, water top up and controls



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Mechanical & Electrical Services

- Replacement sub mains and power supplies
- Upgraded water top up system
- Wiring replacement to lighting and new pool earthing
- Solar thermal heating to roof amalgamated into existing heating system
- New pool cover

Customer Experience Improvements

- New accessibly friendly stairs and more inclusive depths.
- Completely new flooring and pool lining
- Enhanced filtration allowing better bathing quality, improvement in temperature control
- New clean and crisp finishes

Legacy and Impact

Social value and creating a legacy were paramount during the project.

Some of the Key items delivered:

- Early interaction with all stakeholders, trustees, surrounding public and school.
- Engage in and deliver technology lessons to YR 9 students, including a build a bridge project with our CITB approved inhouse lecturer
- Provide careers advice and carry out presentation to YR10 students on careers and opportunities in construction. Mock interview volunteering with YR10 students.
- Provide formal CITB health and safety awareness training to school leavers to assist in site access and apprenticeship/training. This course enables the delegate to apply for a cscs card a minimum requirement to work on a building site.



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- Multiple works with local volunteer gardening groups which includes fence repairs, stream embankment repairs, new gravel footpaths, new footbridge over stream, donation of plants and materials, free skips, installation of bird boxes to name a few

The successful delivery demonstrates that despite the modest project size we can have a big impact.

Key Challenges

Programme Delivery

- Delivering £1.5m of works within a 20-week programme
- Logistics within existing school grounds and live leisure Centre
- Managing multiple specialist contractors simultaneously
- Coordinating complex structural repairs

Technical Complexity

- Level of shell dilapidation and high-water table
- Complex pool refurbishment interfaces
- Working within existing structural constraints
- Significant temporary works requirements

Operational & Safety Requirements

- Working within a live leisure environment, shared with the adjacent school on school grounds
- Maintaining rigorous health and safety standards especially with the interface with school and public, and limited space
- Managing high-risk wet environment construction activities
- Managing works as lead PC with separate PC on site undertaking other works

Project Outcomes

Infrastructure Renewal

Complete replacement of roof and critical pool shell structure remediation. Thermal performance upgrade to the building. Filtration plant infrastructure replacement and upgrade.



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Pool and surround relined providing long-term operational resilience.

Enhanced Visitor Experience

Modern visuals, improved design and access will significantly improve the user experience.

Improved Accessibility

New easy access steps, revised inclusive levels for a wider audience and swimming level

Futureproofed Asset

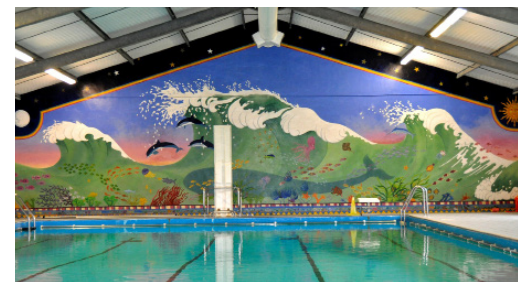
The project has secured the long-term future of a well-used cherished leisure destination through extensive modernisation and investment.

Project Results

- £1.5M Investment Delivered, the catalyst for a further 1.5m in carbon improvement works we are assisting in
- 20-week Programme Completed
- Complete Renewal of Critical Infrastructure, tanking and plant
- Modern inclusive Leisure Experience Created
- Original building features retained and enhanced
- Futureproofed for Long-Term Operation

Client Benefits

- Increased operational efficiency and reduced operating costs
- Reduced maintenance, down time, shutdowns and reactive maintenance
- Improved energy performance
- Enhanced customer experience
- Increased asset lifespan
- Preservation of a cherished leisure facility



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