



Capability Statement

Delivering innovative, efficient, and sustainable Building Services Engineering solutions

Who We Are

We are a leading specialist in Building Services Engineering, offering over 60 years of expertise in delivering mechanical, electrical, low-carbon and building-performance solutions.

Operating from five strategically placed offices, our integrated teams manage projects of all sizes across the UK.

Our Approach

- Take time to build a good working relationship
- Be clear from the start about what we think you need
- Be open, honest, and work in partnership with you
- Keep you up to date with our findings
- Deliver your project successfully

Our Sectors

- Commercial
- Education
- Healthcare
- Heritage
- Industrial
- Leisure
- Multi Residential
- Public Sector

Our Services

Mechanical, Electrical and Public Health

Comprehensive design and consultancy services covering heating, ventilation, air conditioning, power distribution, lighting, and water systems.

Specialist Lighting

Tailored lighting design solutions that enhance architectural aesthetics, functionality, and energy efficiency.

Building Performance

Analysis and optimisation of a building's energy use, carbon output, thermal comfort, and operational efficiency through advanced modelling and performance-led design strategies.

Building Information Modelling

The use of digital modelling to enhance collaboration and coordination, delivering intelligent BIM models that streamline design, reduce on-site issues, and support efficient project delivery.



MEP



SL



BP



BIM

Example Projects

Salford Cathedral *Salford, Greater Manchester*

TGA were commissioned by the Diocese of Salford to provide M&E and Building Performance services on the reordering of Salford Cathedral, including energy and carbon studies.



Monkwearmouth Hospital *Sunderland*

TGA provided the M&E design for Monkwearmouth Hospital, as well as the BREEAM Design Stage Assessment which achieved a targeted Excellent rating.

The Royal Horticultural Society *Surrey, Essex & London*

TGA were commissioned by the RHS to provide professional services associated with surveying and proposing energy efficiency and low carbon heating and renewable power solutions at three RHS sites.



Callerton Academy *Newcastle*

TGA provided M&E and Building Performance services for a new multi-use, three-storey secondary school – including teaching facilities, a flexible space for dining, assemblies and an administration area.

Hull Maritime Museum

Hull

TGA Consulting Engineers provided traditional M&E and Building Performance services associated with the refurbishment of the Grade 1 listed Hull Maritime Museum as part of the £26m Heritage Lottery Funded Maritime City Project for Hull City Council.



Freeman Hospital

Newcastle

TGA provided the design for M&E services in the £23m newbuild Institute of Transplantation at Freeman Hospital.



Mathematical Sciences and Computer Science (DU)

Durham

TGA completed the M&E design for the BREEAM Excellent newbuild project at Durham University, including the use of low/zero carbon technologies such as hybrid VRF condensers and a PV array.



Wyldewoods Retirement Village

Chester

TGA were appointed M&E engineers, Building Performance and Specialist Lighting Designers on a newbuild, self-contained retirement village, featuring significant landscaped and streetscape areas.

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