



# Education Sector Capability Statement

**Document Purpose:** To outline GreenTech Scotland's technical capabilities, safeguarding protocols, and project delivery methodologies for primary, secondary, and tertiary educational facilities.

## 1. The Challenge for Educational Estates

Scottish educational institutions face a unique set of infrastructural challenges. Estate Managers are tasked with achieving the Scottish Government's ambitious Net Zero 2045 targets, managing aging electrical infrastructure, and ensuring absolute student safety, all while navigating tightening operational budgets and strict academic calendars.

GreenTech Scotland serves as a Tier-1 electrical and renewable engineering partner, delivering compliance and decarbonization without disrupting the learning environment.

## 2. Core Educational Capabilities

### A. Decarbonization & Renewable Energy

Schools and universities possess large, underutilized roof spaces that are perfect for energy generation. We help institutions turn these liabilities into income-generating assets.

- **Commercial Solar PV:** End-to-end design, structural surveying, DNO (Distribution Network Operator) grid applications, and installation of high-yield solar arrays to offset campus energy consumption.
- **Smart LED Lighting Upgrades:** Replacing legacy fluorescent lighting with smart, daylight-harvesting LED systems. This not only reduces lighting energy costs by up to 70% but has been clinically proven to improve student concentration and reduce eye strain in classrooms.

### B. Statutory Compliance & Life Safety

Absolute safety is non-negotiable. We provide consolidated, fully accredited maintenance programs to keep your estate legally compliant.

- **BAFE-Accredited Fire Alarm Systems:** Design, installation, and bi-annual servicing of L1/L2 fire detection systems, integrated with access control and HVAC shutdown protocols.
- **Emergency Lighting (BS 5266-1):** Routine drop-testing and lux-level verification across lecture halls, corridors, and assembly areas.
- **EICR (Electrical Installation Condition Reports):** Rolling 5-year testing programs (e.g., 20% of the estate tested annually) to maintain compliance without massive, one-off budget spikes.

### 3. The GreenTech "Education-First" Delivery Model

We understand that an educational facility is not a standard construction site. Our operational protocols are built around the academic calendar.

- **Safeguarding & Vetting:** Every GreenTech engineer operating on an educational site holds a current, enhanced Disclosure Scotland (PVG Scheme) certificate.
- **Zero-Disruption Scheduling:** We program invasive works, power downs, and heavy installations exclusively during half-terms, summer holidays, or out-of-hours shifts.
- **Exam Period Embargoes:** Our project managers map out your academic calendar during the pre-construction phase to ensure zero noise or power disruptions during preliminary or final exam diets.

### 4. Procurement, Frameworks, & Funding

Navigating public sector procurement can be complex. GreenTech is structured to support smooth procurement pathways:

- **Grant & Funding Support:** We assist institutions in providing the rigorous technical data, carbon-reduction projections, and ROI calculations required to secure funding through initiatives like the Salix Energy Efficiency Loan Scheme or local Scottish Government grants.
- **Comprehensive PQQ Readiness:** We maintain a fully up-to-date Pre-Qualification Questionnaire (PQQ) pack, including £10m Public Liability Insurance, NICEIC Approved Contractor status, BAFE certification, and robust Health & Safety/Environmental policies, ensuring rapid vendor onboarding.