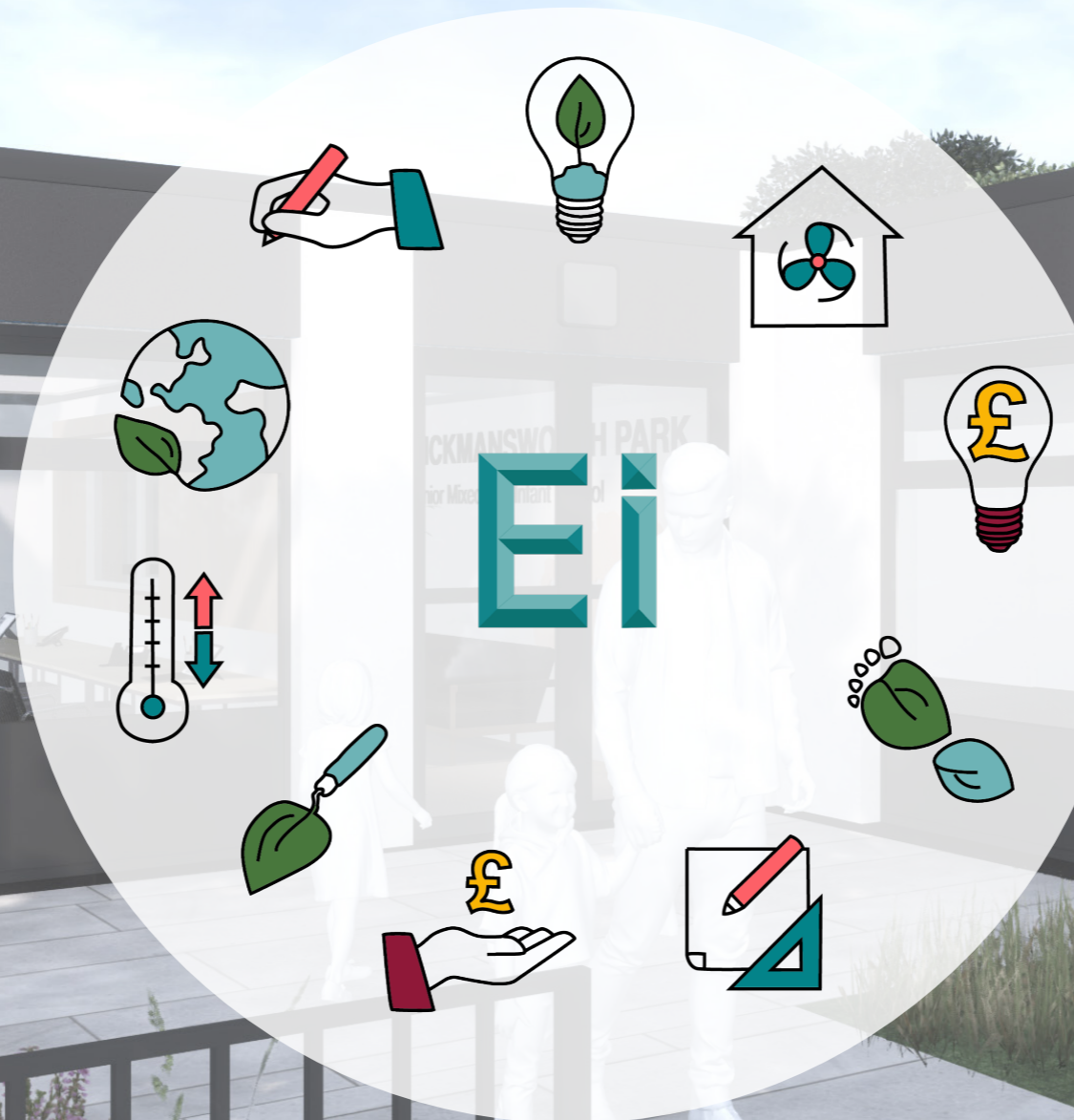


# Ei Projects

## Improving Building Performance & Sustainability



### Rickmansworth School Project Overview



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measure  
reduce  
contribute



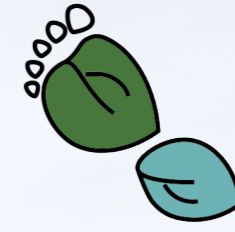
### Sustainability

By increasing the building's energy efficiency, the refurbishment project aligns with sustainability goals, reducing the environmental impact and promoting eco-friendly practices.



### Energy Efficiency

Upgrading the heating system, lighting, windows, doors, insulation and cladding has significantly improved the overall energy efficiency of the building, reducing energy consumption and associated costs.



### Reduced Carbon Footprint

Lower energy consumption translates to a decreased carbon footprint, supporting environmental responsibility and contributing to a greener community.



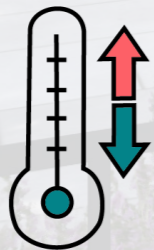
### Financial Savings

Over time, the initial investment in upgrading the building's systems can result in substantial financial savings through reduced energy costs and maintenance expenses.



### Lower Utility Bills

Improved insulation and energy-efficient systems contribute to lower utility bills, providing long-term economic benefits for the school.



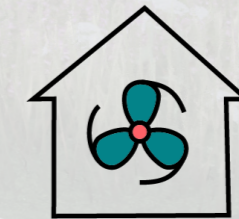
### Enhanced Comfort

Modernized heating systems and upgraded insulation contribute to a more comfortable and consistent indoor environment for occupants.



### Educational Opportunities

The refurbishment project itself can serve as an educational opportunity, allowing students to learn about sustainable practices and the importance of energy conservation.



### Improved Indoor Air Quality:

Modern windows and doors, along with proper heating systems, can contribute to better indoor quality, creating an improved learning environment.

**This project focuses on upgrading your building's performance, sustainability, and energy efficiency, ensuring a modern, efficient, and safe learning environment...**

### **General Works:**

- **Asbestos Removal:** Ensuring a safe and healthy environment.
- **Testing and Commissioning:** Rigorous assessments for optimal functionality.
- **Record Documentation:** Detailed documentation for future reference.
- **Demonstration to Users:** Guiding building users on new systems.
- **Builders Work:** Necessary adjustments and repairs. Including making good and repairs to walls and flooring.
- **Wall Linings:** Newly installed external plasterboard wall linings decorated in white to modernise and update the internal areas.
- **Ceilings and Fire Stopping:** Installing new elements for safety, acoustics, insulation & aesthetics.

### **Mechanical Works:**

- **Removal of Redundant Services:** Clearing outdated systems for efficiency.
- **Cold Water Service Extension:** Enhancing water infrastructure.
- **LTHW Heating Plant:** Introducing new heating pressurization for energy efficiency.
- **Domestic Hot Water Setup:** Installing a new system with a secondary pump.
- **LTHW Distribution System:** Upgrading pipework for improved performance.
- **Fan Convectors and Radiators:** Adding modern, energy-efficient heating elements.
- **Sanitary Ware Upgrade:** Introducing new fixtures for improved functionality.
- **Environmental Controls:** Implementing advanced systems for sustainable building management.
- **Electrical Enhancements:** Overhauling lighting, fire alarm, power, and security installations.

### **Glazing and Cladding:**

- **Window and Curtain Walling Replacement:** Upgrading to modern, energy-efficient systems.
- **New External Doors:** Enhancing security and insulation.
- **Fascias and Boards Renewal:** Improving aesthetics and functionality.
- **Cladding System Upgrade:** Modernizing for enhanced performance.
- **Interface with Roofing:** Ensuring seamless integration.



The new extension redefines your school entrance, cultivating a warm and inviting atmosphere. It goes beyond aesthetics, significantly expanding admin office areas to enhance functionality. Safety is paramount, and we've integrated a state-of-the-art access control system, ensuring a secure reception area for all to use.

This upgrade doesn't just enhance ambiance; it's a vital step towards improved safety and efficiency in your school. The extension aligns seamlessly with the broader refurbishment initiative. From windows to flooring, every element is thoughtfully renewed. New windows, doors, curtain walling, insulation, cladding, ceilings, lighting, and heating contribute to a modern, energy-efficient space.

Internal glass window hatches promote interaction and communication by opening up spaces between admin, reception, and dining areas. The glass partition in the admin room adds a fresh, open-door feel for staff, fostering a collaborative and dynamic work environment.