Project 434: New Windows for School Science Block

Client: Zenergi Limited

Programme: 4 Days

Construction Details: Double Glazed Windows, Safety Glass, UPVC Window Installation

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New Windows for School Science Block

We were awarded this new windows for School science block project via a school sustainable energy consultant.

As part of their ongoing commitment to providing sustainable energy solutions within the education sector, Zenergi Ltd was appointed to oversee an energy efficiency upgrade at Chancellors School. A key element of the project involved replacing outdated, single-glazed timber windows with modern, high-performance alternatives.

Zenergi approached our team to deliver this critical upgrade, focusing on improving thermal performance, safety, soundproofing and overall aesthetics. We were awarded the window tender package to complete the full replacement of windows in the school's science block.

Project Objectives

- Replace inefficient, single-glazed wooden windows with uPVC double-glazed units
- Enhance energy efficiency and support the school's net zero ambitions
- Improve internal soundproofing and external noise reduction
- Strengthen site security through modern window specifications
- Deliver a modernised aesthetic in keeping with the school's character
- Complete works within a limited timeframe to minimise disruption

Our Solution

Following a detailed assessment and liaison with the project team at Zenergi, we planned and executed a full window replacement across the science block. Our solution included:

- **Installation of Dual-Coloured uPVC Frames**
  We fitted energy-efficient, double-glazed uPVC windows featuring white internal frames to complement classroom interiors and brown external frames to blend with the building's façade.
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Rapid **Turn**

The entire removal and installation process was completed in just four days, allowing the school to continue operations with minimal disruption.

- **High Standards of Workmanship**
  Our experienced installation team ensured precision fitting, airtight sealing, and full site clean-up on completion.

Outcomes

Energy Efficiency: The new windows significantly improved insulation, reducing heat loss and lowering energy consumption—contributing directly to the school's net zero targets.

Enhanced Security: Modern locking mechanisms and robust frame construction enhanced on-site safety.

Improved Acoustics: Classrooms now benefit from better soundproofing, creating a quieter learning environment.

Aesthetic Improvement: The dual-colour frames provided a fresh, clean internal look and a consistent external appearance in line with existing architecture.

On-Time, On-Budget Delivery: The works were completed ahead of schedule and without exceeding the allocated budget.

Conclusion

This project showcases our capability to deliver high-quality, sustainable building solutions within the education sector—on time, to specification, and with minimal disruption to school operations. Our collaborative approach and attention to detail make us a trusted delivery partner within the education sector. The school love the new windows which look great. In addition, they will also lower energy costs meaning lower energy bills.

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The building services we provide include smaller refurbishments through to extensions and new builds. The services we provide include anything that a school would require. This includes, toilet and kitchen refurbishments. We also install fencing, flooring and carry out complete new builds. Check out our website case studies to view projects that we have recently completed.

Glazing Services We Provide In Schools

In addition to building works, we also carry out works from window and hinge repairs through to complete aluminium and uPVC window and door installations.

Contact Waller Building and Glazing Services

Based in Sittingbourne, we carry out works Kent as well as the south east of England. If you would like a quotation on any size of building or glazing project please contact us. Telephone – 01795 424435. Additionally email mark@wallerservices.com

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