Case Study

East Riding College

- **Customer:** East Riding College, East Riding of Yorkshire
- **Technology:** LED lighting
- **Funding:** Salix Finance - College Energy Fund
- **Outcomes:**
  – Improved illumination
  – £34k annual energy savings
  – Return on investment of 4.2 years

Energys Group LED upgrade set to deliver £34K annual savings for East Riding FE College at its Bridlington campus

PROJECT BACKGROUND

East Riding College is delighted with improvements to the lighting at its Bridlington campus and will significantly reduce annual running costs following a successful upgrade to LED technology - financed by Salix Finance.

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East Riding College is a multi-site Further Education College with more than 1500 learners using its facilities at campuses in Beverley, Bridlington and Hull.

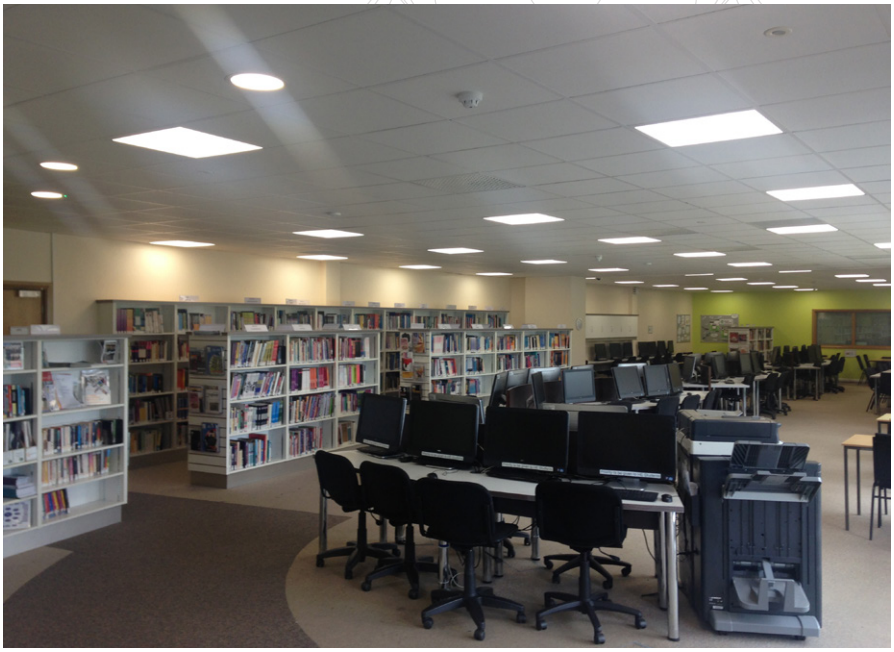
The building at the Bridlington site is relatively new. However, the estates team noticed a rise in maintenance issues associated with the existing lighting system as well as problems with the quality of light. The college had already begun the process of looking into upgrade options when, fortuitously, they were approached by Energys Group.

Elaine Hall, Facilities Manager and SHE Manager at East Riding College says: "Energys Group's approach to us was well-timed. They explained that we could finance an upgrade by applying for funding through Salix Finance. We made the decision to take action and once the Energys team had confirmed that the work could be undertaken with minimal disruption to college activities we were ready to proceed."

SALIX COLLEGE ENERGY FUND

Salix Finance provides 100% interest-free capital funding to the public sector to improve its energy efficiency. The College Energy Fund was established using money from BEIS to provide a mechanism by which FE colleges can lower energy bills and create a more comfortable learning environment.
A key requirement of the funding is that the college must provide evidence that the project will pay for itself from energy savings within a 5 year period and that the cost of Carbon Dioxide will be less than £172 per tonne over the lifetime of the project.

Energys Group has a wealth of experience in supporting education establishments through the relevant Salix funding applications. Using its proven process for projecting lighting-related energy savings, Business Development Manager Raj Gunasekaran was able to show Elaine Hall and her team that the project would pay for itself in just over 4 years. He also assisted the college in using the Salix Compliance Tool to evidence that their project was significantly under the £172 per tonne Carbon Dioxide saving requirement.



THE SOLUTION

A complete suite of internal and external LED lighting and supporting technologies from Energys Group's own extensive New Vision LED lighting range was provided within this upgrade. This included a self-learning intelligent iDim LED Panel, LED Tri-Proof fittings, LED downlights, LED wall lights, LED street lights, LED suspended POLO Architectural lights, LED Retrofit Integrated Driver tubes and Emergency light fittings.

The whole interior of the building and exterior walkways of the college were included in the project.

Work took place over a three month period to suit college requirements. The most disruptive part of the project was scheduled to take place during the 2018 summer break. Elaine Hall praises the installation process: "Energys Group promised that disruption would be minimal and they were true to their word. This was a big project and having their team working through the summer holidays was a great benefit to us."

RESULTS AND OUTCOME

Following project completion, Elaine Hall and her colleagues have noted the improved quality of light: "The improvement in the quality of the light was evident from day one. We understood that there would be a bedding-in period once the technology was installed but the team from Energys Group supported us as promised. We are through that part of the process now and looking forward to reaping the benefits of a reduction in maintenance time and a significant decrease in our electricity bill."

Raj Gunasekaran is not surprised by the positive feedback: "Our products have been designed with wellbeing in mind. Flicker and glare are commonly associated problems with older lighting technologies and our LED products eliminate both. The health benefits of LED lighting should never be under-estimated, we know that it boosts alertness and significantly reduces reported incidence of eye strain and headaches. "

The long lifecycle of Energys' LED products will deliver cost-savings from reductions in maintenance at the Bridlington campus as well as significant energy savings. For added peace of mind, Energys Group confidently offers a five-year guarantee on its products and in the unlikely event of any failures within that time its engineers will promptly visit site and provide replacements.

East Riding College also anticipates an improvement in their Display Energy Certificate rating as a result of this project.

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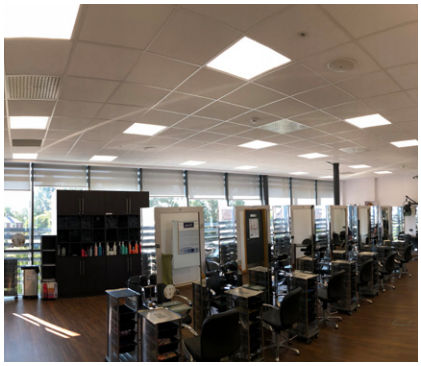

PROJECT PAYBACKS

The project cost £144K and is estimated to achieve annual savings in the region of £34k.

Return on investment is predicted to be just over four years and CO_2 savings are calculated to be as high as 116 tonnes per annum.

Raj Gunasekaran concludes:

"There is really no reason for any college that hasn't yet made the switch to LED lighting to delay. Energys Group has a huge amount of experience for colleges to access and we know how to make the whole process, from applying for funding through to project installation, work smoothly. These projects make no demands from college funds and will directly benefit college budgets within a maximum of five years."

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