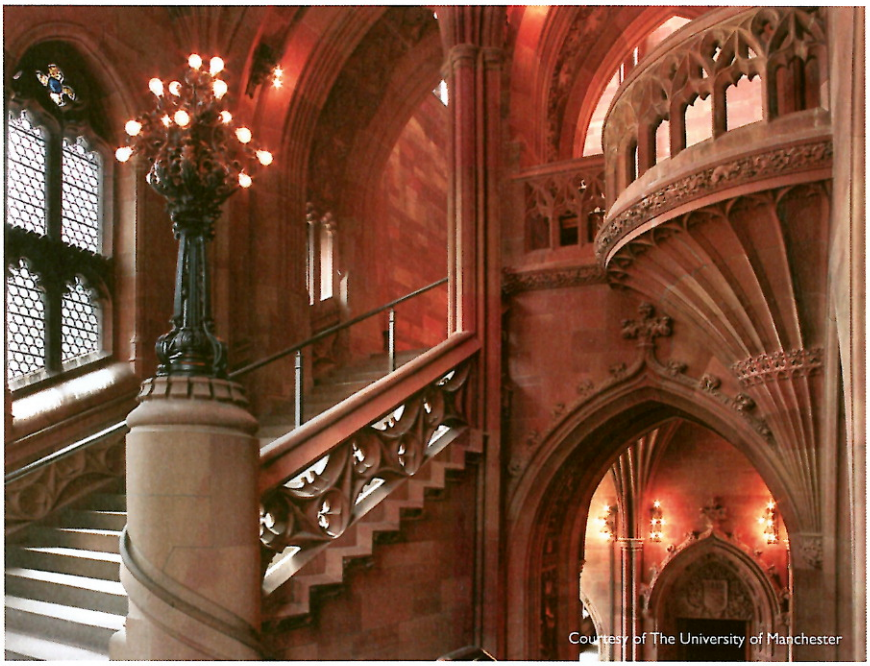
The University of Manchester used £2.2m funding from the HEFCE/Salix Revolving Green Fund (RGF) to implement energy efficient technologies. This is how they made improvements to one site.

Project overview

The University of Manchester needed to find a suitable and cost effective way to upgrade energy inefficient lighting in the John Rylands library. High energy use and heat generated were major issues, as valuable, antique manuscripts stored in the library must be kept within stringent humidity levels.


Courtesy of The University of Manchester

Salix will help you:

Learn about the range of lighting technologies financed by Salix

Use our range of case studies to help you write a strong business case

Learn about ways to start making long-term energy cost savings

Start to use our straightforward loan application process

The strong Salix business case

The University of Manchester needed to find a suitable and cost effective way to replace over 1,500 energy inefficient lamps in the John Rylands Library - Deansgate, which is a Grade I listed building.

The business case showed that the energy efficient lighting upgrades will save over £92,000 on annual energy costs and 451 tonnes of carbon dioxide per year.

Six Salix indicators

RGF funding value
£2,182,401

Annual £ savings
£879,101

Annual savings tonnes of CO_2
4,331

Lifetime £ savings
£11,183,905

Lifetime savings tonnes of CO_2
55,113

Average project payback
2.5 years

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Working with Salix

Why Salix?

The Salix RGF provides the University of Manchester with the finance to 'go the extra mile' by proactively upgrading energy inefficient equipment instead of waiting for it to be replaced due to failure. This enables savings to be made in manpower, time, replacement lamps and disposal costs. The RGF fund also helps the University maximise in-house project expertise from their six Carbon Reduction Technicians.

The Salix solution

The Salix solution provided the University of Manchester with a cost effective way to upgrade seven ineffcient lighting technologies with LEDs across the John Rylands Library. The Salix solution was phased with a batch test of 8W LED lamps in one of the library's rooms and was then rolled out across the entire library. The loan for these works paid back in an average 2.1 years.

How Salix worked

Salix client and technical managers collaborated with the University of Manchester's Fund Manager and CRT's to deliver a technically strong, financially solid and aesthetic energy efficent solution. Installing LEDs across the library will deliver a predicted £1.7m worth of lifetime savings.

Access Salix energy efficiency technical knowledge for your organisation by logging onto: www.salixfinance.co.uk/client-area

Available as a downloadable PDF at www.salixfinance.co.uk/case-studies

"Salix Finance have helped the University at all stages of the fund management, from advice and guidance on the initial application to ongoing project development. They have accommodated new and innovative technologies within the project management system. The sharing of knowledge and best practice by the clients is encouraged and is a very useful environment in which to develop other projects which might not have normally been considered"

Damian Oatway, Fund Manager, The University of Manchester

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