

Case Study

Jesmond URC

Newcastle-upon-Tyne





JESMOND UNITED REFORMED CHURCH NEWCASTLE UPON TYNE



This imposing Grade II listed Victorian church has been a familiar landmark in Jesmond since the 1880s. In recent years, the building had been considered to be dark and gloomy so, in 2014, it underwent a major internal refurbishment, designed to brighten up the decor and flood the space with light, making it much more inviting and welcoming. Gamma's Lingo LED track spot lights were installed throughout the building to provide ambient and accent lighting.

Recently, Gritstone Project Management Ltd undertook a further refurbishment. The spot lights were approaching their rated end of life but, because the existing scheme had been so successful, it was decided that refurbishing the Lingo spots would provide the ideal cost-effective and sustainable solution.



SUSTAINABLE LIGHTING SOLUTION



Luminaires start returning from site



Each luminaire was disassembled and inspected

RENEW & REUSE



Luminaires reassembled...



... with new LED components



Old LEDs and drivers removed for recycling



Components cleaned...



Each luminaire tested...



... and inspected



... and polished...



...ready for reassembly



Each luminaire individually packed...



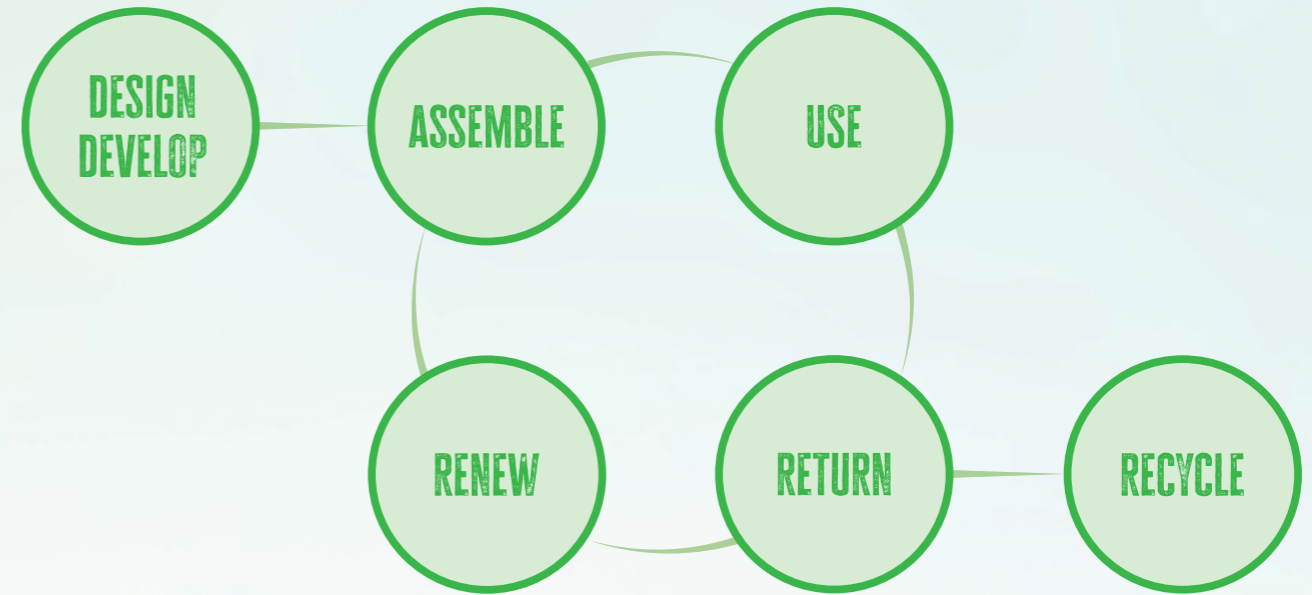
... and returned to site within 4 days

PROJECT RESULTS

- Luminaires refurbished and back on site within 4 days
- 90% of components salvaged and reused
- 30% saving in energy usage with advances in LED technology
- 12% increase in lumen output
- Colour rendering increased from Ra80 to Ra90
- 10% cost saving compared with buying new luminaires
- 120 kg aluminium reused instead of being scrapped or recycled, resulting in a 936 kg reduction in CO₂ emissions



SUPPORTING THE CIRCULAR ECONOMY





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