

Remanufacturing Case Study

# Jesmond URC

Return, renew, reuse







We are a UK designer, manufacturer and remanufacturer, delivering quality and flexibility in lighting.



# 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.





# LightSaver - Sustainable lighting



Luminaires start returning from site



Each luminaire was disassembled and inspected



Old LEDs and drivers removed for recycling



Components cleaned...



... and polished...



...ready for reassembly

# Return, renew, reuse



Luminaires reassembled...



... with new LED components



Each luminaire tested...



... and inspected



Each luminaire individually packed...



... and returned to site within 4 days

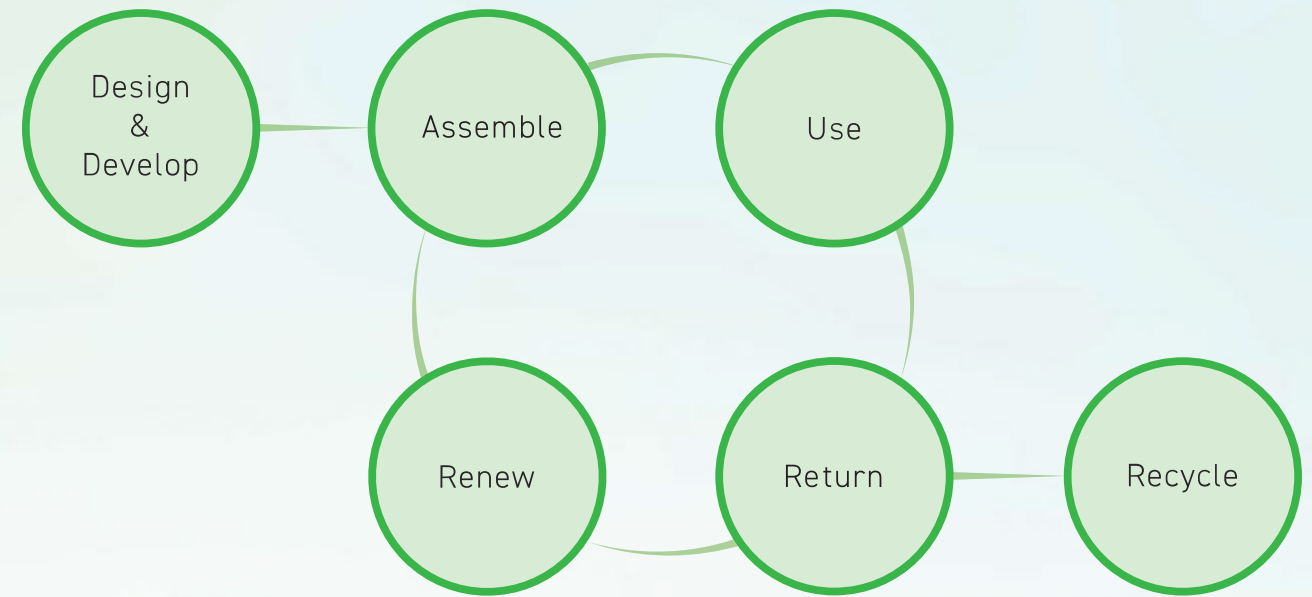


# Project results

- 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 CO<sub>2</sub> emissions



# Supporting the circular economy




Contact me for further information  
or to arrange a factory visit



**Faye Wherrett-Inman**

Marketing Executive

 01924 482777

 faye.wherrett@gamma-uk.com



Gamma Illumination

Thornhill Road Business Park  
Tenter Fields  
Dewsbury  
West Yorkshire  
WF12 9QT  
United Kingdom

 01924 482777

 sales@gamma-uk.com

 [www.gamma-uk.com](http://www.gamma-uk.com)

