



Woolworth House - London



*active chilled beams
delivering 100 w/m² at
1.1l/s/m²...*

Year 2003

This major refurbishment to a landmark building required multi-service chilled beams to an exacting technical specification. Minimal slab-to-slab heights and poor solar shading meant that the chosen solution had to deliver cooling duties with the minimum fresh air requirement. Active chilled beams were required that could deliver 100 w/m² of cooling at very low supply air volume (as low as 1.1 l/s/m²). Frenger's unique twin-battery technology was the only design solution that met both the technical and aesthetic criteria of the design team.

The installation is one of the largest multi-service chilled beam projects in the UK - with over 1400 chilled beams used on a total of seven floor levels. The off-site manufacture and assembly of the Multiservice units meant that the installation could take place whilst the building was still 80% occupied.

*client
architect
consulting engineer
main contractor
m&e contractor*

*Woolworth
CWHB
DSSR
Spectrum
RTT*