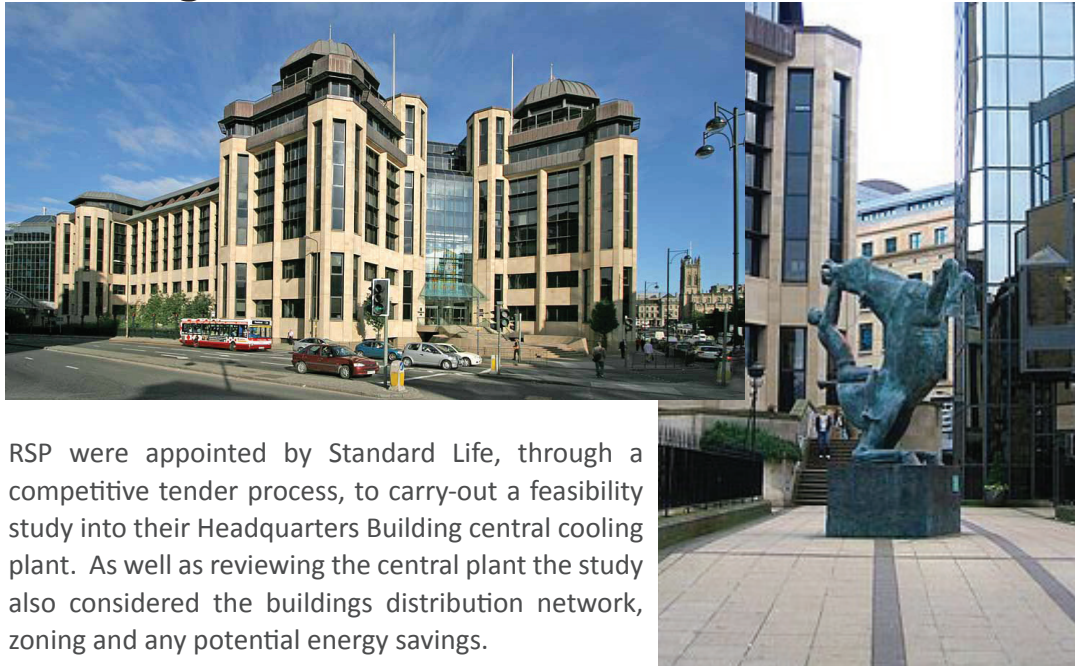


## Standard Life HQ, Lothian Road Edinburgh



RSP were appointed by Standard Life, through a competitive tender process, to carry-out a feasibility study into their Headquarters Building central cooling plant. As well as reviewing the central plant the study also considered the buildings distribution network, zoning and any potential energy savings.

The existing cooling plant comprised of 9 No roof mounted chiller serving 3 No independent distribution circuits throughout the building with a combined cooling load of 4.6MW.

Consideration was given to the sensitive location of the building and its roof plant rooms with regard to planning and noise restrictions due to the close proximity of Standard Life's Chief Executive Offices, meeting/conference facilities and the Sheraton and Caledonian Hotels.

RSP's feasibility study considered and identified the following design, cost and practical issues.

1. Schematic layouts identifying current and proposed chiller and cooling distribution layouts.
2. Spatial Analysis of Existing Space against New Requirements.
3. Review of Cooling Loads.
4. Budget Capital Costs.
5. Planning Commentary.
6. Review of Craneage Opportunities for Removal and Install of New Plant.
7. Estimated Energy and CO2 Savings.
8. Lifetime CO2 Analysis.
9. Simple Payback Analysis.
10. Review and Commentary of Impact or Existing Ancillary Cooling Equipment.

On completion of the report, RSP were commissioned to carry out the design for a chiller replacement programme which was successfully completed on 2014.