

Case study

ROCKWOOL® helps office development achieve BREEAM Excellent rating

Aldgate Tower, London



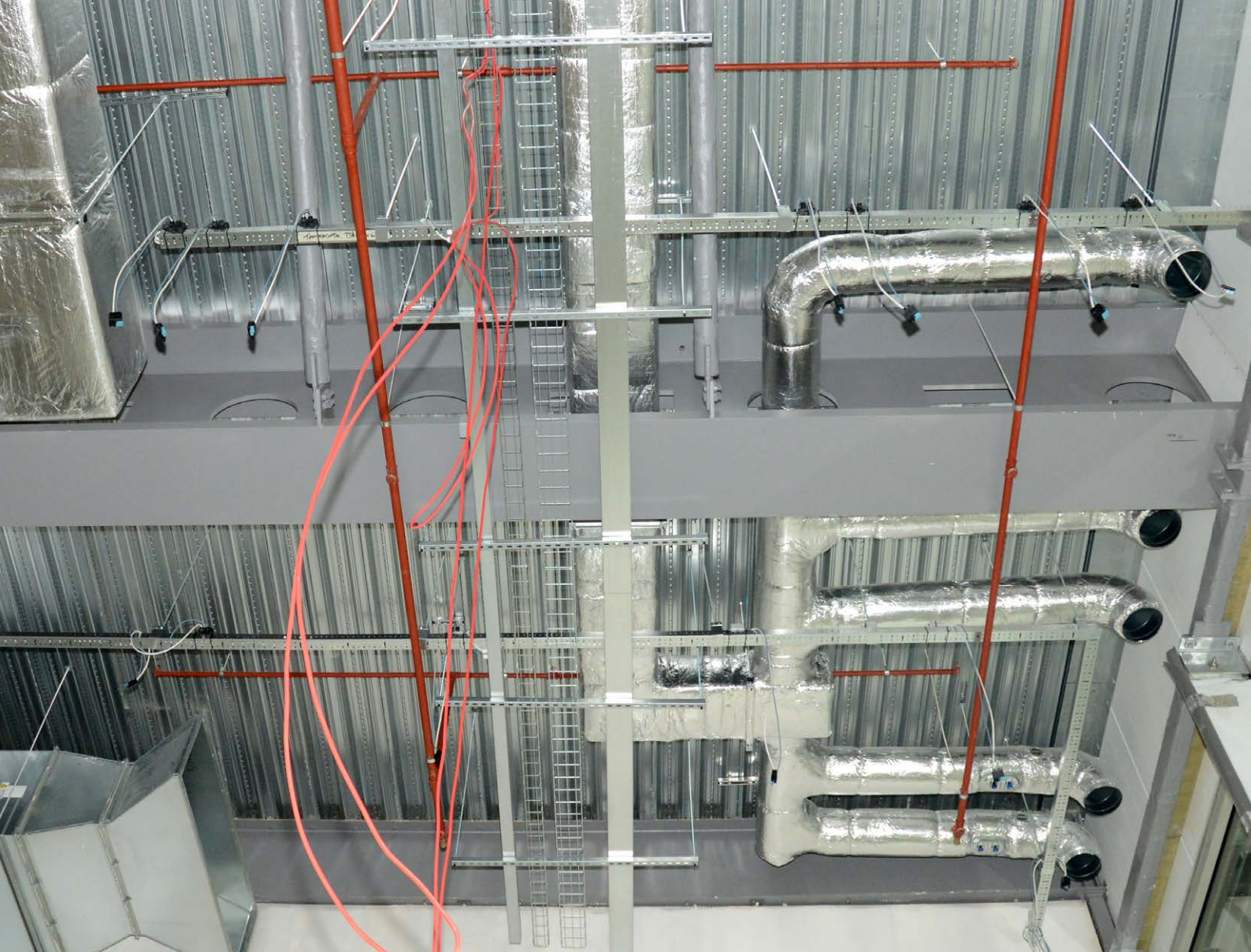


The project

Aldgate Tower, a state-of-the-art office development, was the first phase of a wider regeneration of the Aldgate area in London.

The impressive 317,000 sq. ft contemporary office block is comprised of 16 floors of Grade A revolutionary office space, designed to achieve environmental efficiency and low running costs for operators.





The challenge

Sustainable products were required that would perform for the lifetime of the building and meet the exact standards required for an BREEAM 'Excellent' rating.

In addition to a range of energy efficiency choices such as solar hot water, modern European cladding, and heat recovery systems, ROCKWOOL® products were specified for the insulation of pipework.

Thousands of metres of pipework, pre-fabricated offsite by MEP Solutions, were then transported to London where the final connections were insulated on site; the key challenge was ensuring the pipe insulation was in the right place at the right time.

"ROCKWOOL insulation is strong, but has a degree of flexibility which means it can be fitted neatly around pipework and ductwork without any gaps for optimum performance. It's an excellent, environmentally friendly product, which met all our criteria on this demanding project."

Paul Wittam
Project Manager
MEP Solutions



The solution

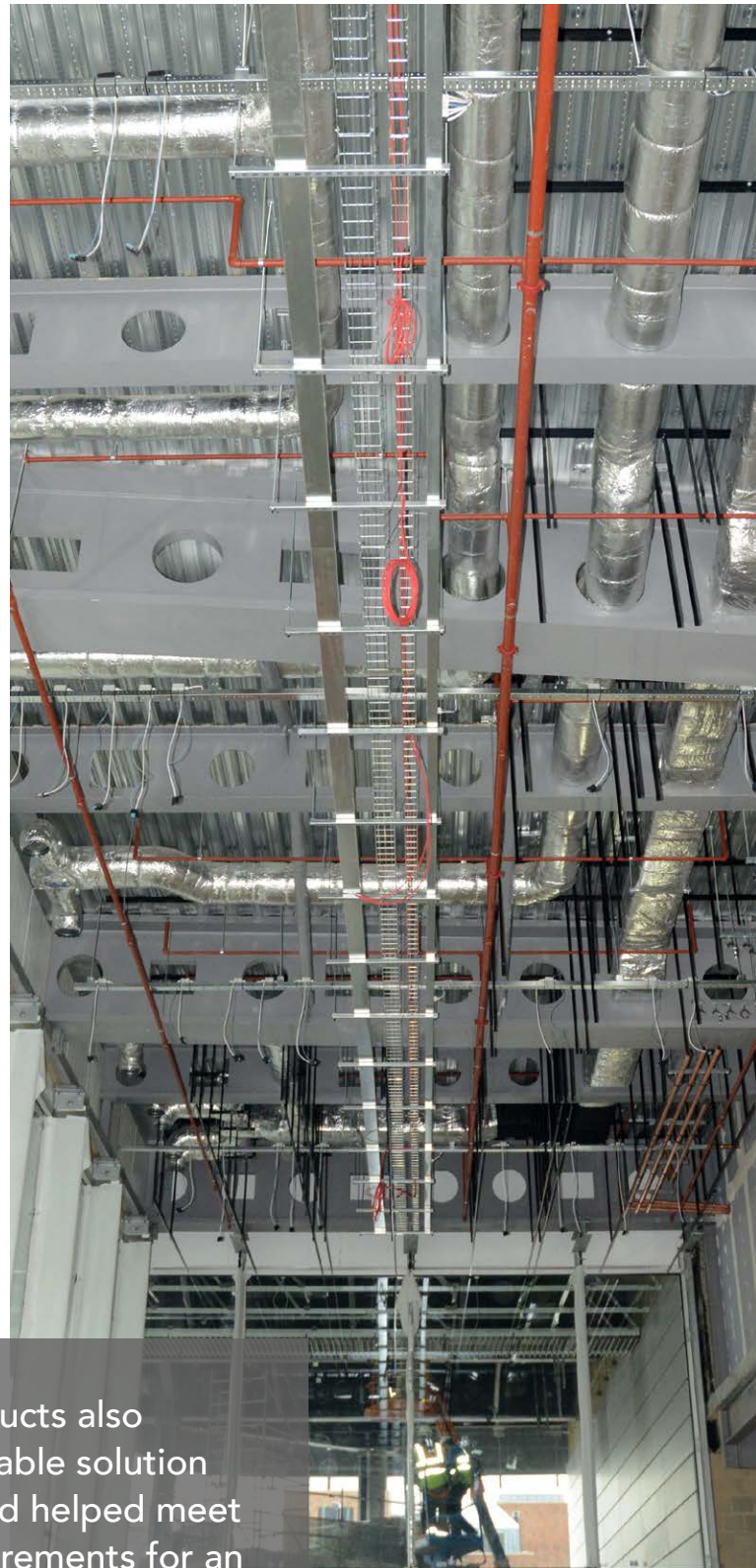
The Aldgate Tower project required ROCKWOOL to meet a range of challenging product performance and service criteria.

Over 15,000 linear metres of RockLap H&V Pipe Sections, 5,000m² of DuctWrap and Fire Duct Systems were specified. RockLap H&V Pipe Sections, DuctWrap and DuctSlab provide thermal and acoustic insulation for heating, ventilation, and air conditioning services. The Fire Duct Systems are certified to BS 476-24 (duct types A and B) and tested and assessed by BRE Global Loss Prevention Certification Board (LPCB).

ROCKWOOL stone wool achieves a Euroclass rating of A1 and can withstand temperatures in excess of 1000°C, providing essential fire protection in buildings, keeping people safe as well as helping to minimise damage to valuable assets.

ROCKWOOL products also provided a sustainable solution for the building and helped meet the BREEAM requirements for an 'Excellent' rating. ROCKWOOL stone wool insulation is recyclable, and helps achieve BREEAM credits in: health and wellbeing, acoustic performance, energy (reduction in carbon emissions), materials specification, insulation, and waste management.

Excellent communication and a coordinated approach ensured that all products were readily available. Working with SIG Technical Insulation, a ROCKWOOL distributor, MEP Solutions and thermal insulation contractor, Denco Thermal Ltd, had efficient access to product and throughout the entirety of the project, 100% of all delivery targets were met.



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