

STRAND EAST, STRATFORD, LONDON

CASE STUDY

Strand East is a 26-acre development located in Stratford, London, re-purposing existing and virtually derelict buildings and bringing them back to life in a creatively designed and energy efficient form.



CLIENT: VASTINT

CONTRACT VALUE: £35K

VASTINT

PROJECT OVERVIEW

The existing buildings that form part of this project are paired with 1,200 new build residential dwellings, 58,000m² of space for businesses, restaurants, community facilities and a 350-bed hotel so that a cohesive multiuse scheme is provided.

KEY PROJECT INFORMATION

Scope

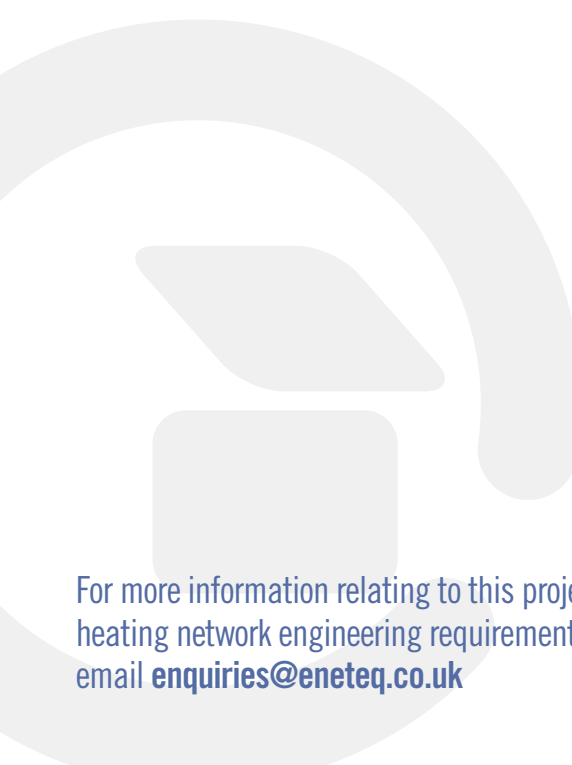
Appointed as part of the client's professional team, Eneteq's scope included network diversity modelling, pipe sizing, pipe 3d modelling and routing, utility coordination, civils trench and chamber detailing, thermal expansion, heat loss calculations for the district heating network which is to serve the development as a whole. The design incorporates a primary network connection to a local offsite network operated by others and a full on-site network serving the existing buildings being refurbished and the new build plots. Due to the space constraints within the existing roads and highways close co-ordination with the other utilities was essential.

 **eneteq**

THE DISTRICT HEATING NETWORK SPECIALISTS

Outputs

- Review and comment of appointed utilities consultants' documents & drawings
- Review and comment of the on-site CHP performance specification & operating parameters
- Review and comment of Engie (formally Cofely) performance specification & operating parameters.
- Assessment of the proposed DHM routing and development of a detailed design in line with the CIBSE Code of Practice CP-1 and the design rules to EN13941 and, in conjunction with others, produce a coordinated route taking into account other infrastructure/public realm elements (for example; drainage, services, trees).
- Produce working and tender drawings and performance specification in both AutoCAD and pdf format (to an enhanced RIBA stage 3) to allow a Design and Build Tender.
- Undertake expansion calculations to ensure compliance with EN13941.
- Provide heat loss calculations so that annual heat losses can be estimated.
- Provide firm budget costs for the mechanical installation works.



For more information relating to this project or to discuss your own district heating network engineering requirements, please call **01327 770170** or email **enquiries@eneteq.co.uk**



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