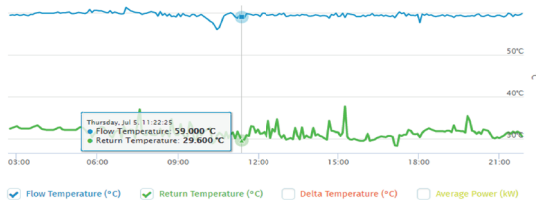




A Recipe for Efficient, Low Carbon Heat Networks in Social Housing

Building Level Flow & Return Temperatures - Quayside Totes (The Guinness Partnership) 5 July 2018



Design = 60/35

High performing heat networks with great resident outcomes are effective platforms for providing affordable and low carbon heat. Their successful delivery is also readily achievable if the right process is followed. FairHeat has developed a rigorous but transparent and attainable process for heat networks, the essence of which is outlined below.

Specification

In many ways, the decisions made at the beginning of a project are the most crucial. What type of low carbon technologies do you want to consider? What are the metrics that define success?

Energy Strategy Supplement - working with the housing association we develop an agreed organisation approach to feasibility, technology and energy strategy at planning stage. This ensures risk is minimised.

Independent Energy Strategy Review - we ensure that your consultants are proposing a system that meets your expectations, is deliverable and fully assesses the lifecycle risks.

Design

Take a proactive approach with design to ensure that it meets your requirements. Decisions made at design stay with the project for life, so understanding their impact is essential.

Design Supplement - we provide input into your Employer's Requirements documents to set specific core heat network design principles with clear performance criteria and associated measurement to enable verification of design proposals.

Design Review Process - though a structured independent peer review, we can ensure that the design will result in a heat network that meets you and your resident's needs.

Installation

To ensure that the heat network design is delivered onsite, specialist heat network supervision is required; traditional M&E consultants may not possess the correct skillset or experience.

Contractor Supplement - We provide clear guidance to the Contractor regarding both your technical expectations, quality assurance methods and the processes required to deliver an efficient heat network.

Specialist Site Support - As specialists in the industry, we can provide onsite support and carry out onsite inspections at critical times during the installation.

Commissioning & Testing

Commissioning and independent testing is vital for efficient heat networks that work well for your residents.

Commissioning Support - playing a supporting role to the Contractor, we carry out independent water testing, load testing and performance checks on key equipment to ensure that the heat network operates as designed.

Acceptance Testing - one poorly commissioned dwelling can result in an inefficient heat network, which is why we recommend 100% of dwellings are tested.

Handover & Operation

Due to project pressures, the handover process is often left incomplete and insufficient documentation and evidence is provided that proves all parties have carried out their obligations. This can result in lengthy and expensive disputes between parties with residents caught in the crossfire.

Independent Review of Handover Documentation - in order to ensure good records, we collate and review commissioning certificates, water tests and the O&M manuals.

Defects and Liability Period Support - we provide support at key periods during the Defects and Liability Period to ensure that the Contractor carries out the required maintenance and that an evidence pack is produced at the end of the period.

Get in touch today and see how we can make a difference.

