KURVE TECHNOLOGIES

CASE STORY - HEAT NETWORK (111-UNIT)
The Green Quarter, Berkeley Homes

INNOVATIVE DIGITAL METERING SOLUTION, KURVE, MAKES FOR A SUCCESSFUL INTEGRATION AT THE GREEN QUARTER, LONDON

The Green Quarter, an 88-acre development, situated on the banks of the canal in West London stands as one of London's largest regeneration projects. Berkeley Homes have taken on the ambitious task of bringing a modern, connected hub to life.

Among the many revolutionary solutions implemented within the development, KURVE, a digital pay-as-you-go (PAYG) metering system, stands out for its innovation, seamlessly integrating into existing infrastructure and redefining standards for post-construction meter systems.

"We always ensure the installation of open wired M-Bus systems in our developments to maintain flexibility for future metering solutions. The successful retrofit of KURVE at The Green Quarter underscores the importance of this approach, proving that with the right team and technology even post-construction integrations can be executed efficiently."

- Berkeley Homes

KURVE IS A JOINT VENTURE BETWEEN INSITE AND SAV

A POST CONSTRUCTION METERING SOLUTION

As these homes, delivered in partnership with Southern Housing Group, neared completion, a critical challenge arose – the need for a reliable and efficient metering system to ensure residents were fairly billed based on their actual energy usage. Typically, metering systems are specified, depending on the building characteristics and clients' requirements, before construction commences for a straightforward installation before occupation.

With residents due to move in, a swift, reliable, and cost-effective solution was essential. Assessing the building's infrastructure, the decision to utilise the wired M-Bus communication system, pre-installed by Berkeley Homes, aligned perfectly with KURVE's requirements.

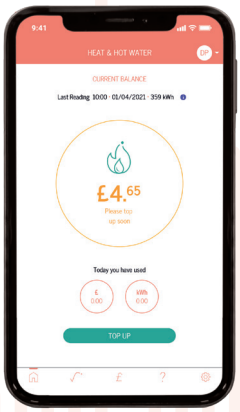
FROM CONTRACT TO COMPLETION IN UNDER A MONTH

After assessing the viability of various other systems, KURVE still came out on top due to its impressive 37% lower capital expenditure compared to other viable PAYG systems and ease of installation, with the system not only requiring just one site delivery compared to the industry standard of three, but also an hour and a half quicker installation for each PAYG device.

In under a month, KURVE was installed to the highest standards, facilitated by the existing wired M-Bus infrastructure and the ability to wire the additional hardware components into the already installed heat interface units (HIUs). The combination of these significantly streamlined the retrofitting process, ensuring an efficient and high-quality integration.

The implementation of KURVE post-construction serves as a testament to the effectiveness of following industry best practices and underscores the ease of installation associated with KURVE, even when retrofitted.

- **9th Feb.** Contract signed.
- **13th Feb.** A comprehensive wired M-Bus site survey was conducted to assess the existing infrastructure and devise a tailored retrofit strategy for KURVE's metering system.
- **15th - 19th Feb.** Preparations began, including the installation of necessary hardware components, such as wiring boxes and M-Bus disconnect modules.
- **19th Feb.** Insite Energy's IT installation engineers meticulously executed the retrofitting process, adjusting wiring configurations, isolating power sources, and integrating the KURVE system into the existing infrastructure.
- **1st Mar.** Following installation, rigorous testing as part of the commissioning process ensured optimal functionality. The system was successfully connected, taking automatic meter readings from each property to ensure residents would only be billed for their actual energy consumption.
- **1st Mar.** Customers set up on KURVE allowing them to start managing their heating & hot water accounts.



KURVE'S BENEFITS IN ACTION

Cost-effectiveness: Retrofitting KURVE proved to be the most economical option, offering a 37% reduction in capital expenditure compared to alternative solutions.

Efficiency: The retrofit and onboarding process was completed swiftly, meeting the client's tight deadlines and minimising disruption to residents.

Technological advancement: KURVE empowers residents with greater control over their energy usage and expenditures, offering the ability to reduce their consumption by as much as 24% compared to those on credit billing.

Industry best practice: The use of wired M-Bus infrastructure, a standard practice in Berkeley developments, provided flexibility in choosing the metering system. This foresight provided a wider breath of choice, and allowed for an easy integration to KURVE.

For further information about KURVE please call us on 020 3696 4977 or visit www.kurve-tech.com