

TELEVISION CENTRE HEAT NETWORK



THE CUSTOMER

The Television Centre is the reinvention of a well-loved landmark into a thriving and exciting place to work, live and play. People working & living on the Television Centre development can enjoy excellent restaurants, an abundance of green spaces, enriching cultural events, and live screenings from the adjacent state-of-the-art television studios.

With 400,000 sq ft of office accommodation and 800 hundred homes, and a 45-bedroom hotel. The site also hosts 1200 staff from BBC Worldwide, and studios for ITV's This Morning and BBC's Graham Norton show. The Television Centre remains a media hub of which SSE were awarded the contract to operate the Energy Centre and Heat Network for 25 years.

THE CHALLENGE

We were approached to mobilise the heat network whilst it was still a substantial construction project. With multiple construction companies working on-site, each with multiple suppliers, it was a challenge to bring everything together before the first tenants and residents moved in.

Key aspects of the design specification such as gas pressures to the boilers and the controls integration which made it difficult to initially commission. In addition to this there were a limited initial load available to test the energy centre before the homes, offices and hotel were occupied. With strict time constraints there was very limited time made available on site for us to carry out the scope of works to ensure a successful project that would run smoothly.

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BIRDSALL HAVE DELIVERED AN EXCELLENT SERVICE...

"

HEAD OF OPERATIONS & MAINTENANCE AT SSE ENTERPRISE

"BIRDSALL HAVE DELIVERED AN EXCELLENT SERVICE BY IMPLEMENTING INNOVATION AND QUALITY PROCEDURES. TOGETHER WE PROACTIVELY MAINTAIN AND MONITOR TELEVISION CENTRE, ENSURING CONSISTANT SERVICE AND ENERGY SAVINGS"

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THE SOLUTION

SSE brought on board their Operation & Maintenance partner within Birdsall at the early stages of the project planning and prior to commissioning to help understand and trouble shoot the challenges experianced. We worked closely with SSE to implement an effective action plan to bring the Energy Centre on-line to the tight timetable.



Birdsall engineer views the ClimaCheck data via a tablet

THE OUTCOME

The Energy Centre & Heat Network operates effectively deliver heat & power to all the tenants with the addition of cooling to the commercial tenants.

Birdsall work with SSE to maintain & monitor the network to ensure it continues to operate efficiently & reliably.

A ClimaCheck remote monitoring system was installed by Birdsall to each of the central chillers enabling 24/7 monitoring and further efficiencies to be achieved.



Air Handling System on the roof of the hotel



Birdsall remote monitoring the network



Birdsall engineer's monitor TV Centre BeMS remotely



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