DMS METERING SOLUTIONS



CASE STUDY: Heat Metering for a Historic Hospitality Venue in Essex

Sector: Hospitality & Events

Location: Essex, United Kingdom

Solution Provided: Sontex Supercal 5 Thermal Energy Meter

Overview

A historic hospitality and events venue in Essex required an accurate thermal energy metering solution to improve monitoring of its heating system.

Older and heritage buildings can present particular challenges when it comes to energy management. Large spaces, traditional building construction and changing occupancy levels can result in significant variations in heating demand throughout the year.

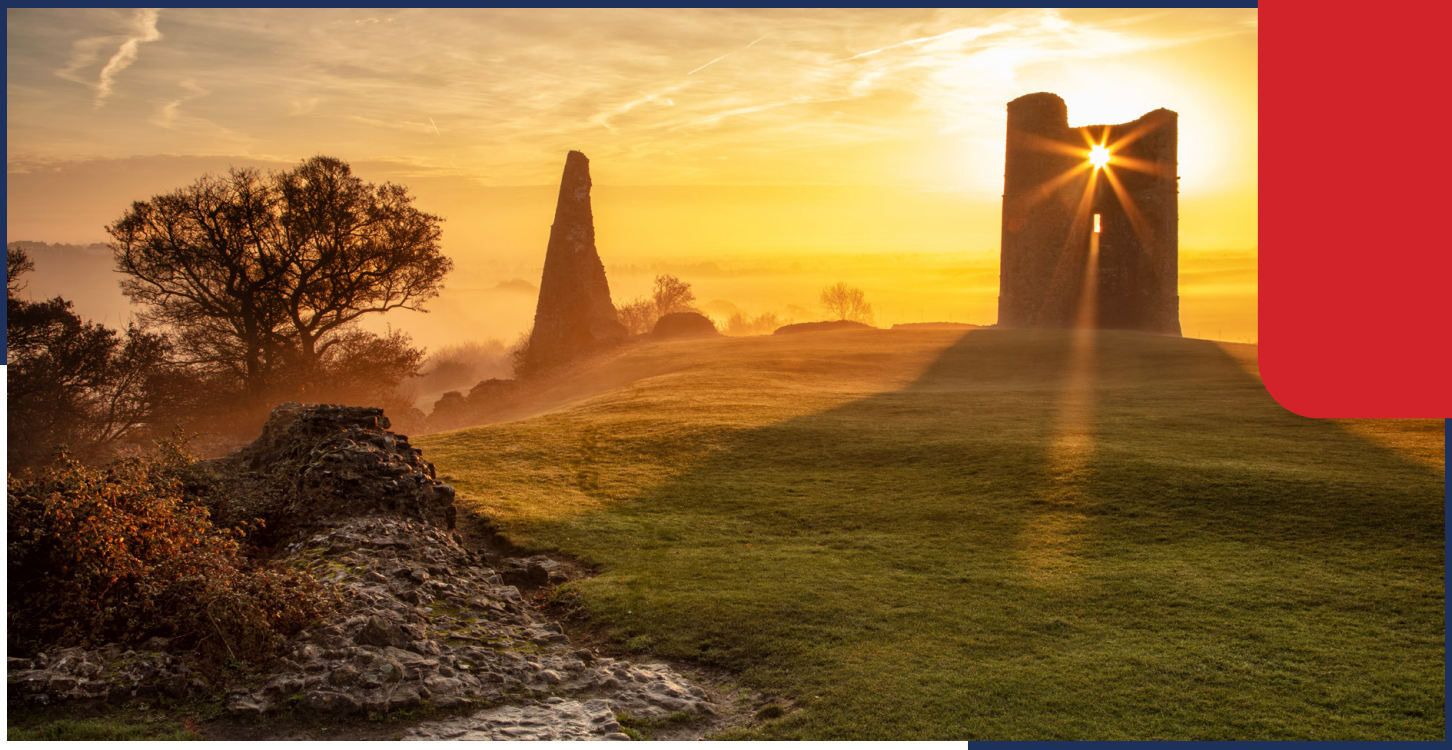
DMS supplied a **Sontex Supercal 5 Heat Meter**, providing the venue with an accurate and reliable way to measure the thermal energy being delivered through its heating system.

Project Requirements

- Accurate measurement of thermal energy consumption.
- Reliable monitoring of the venue's heating system.
- Suitable for a large, historic building
- Ability to monitor changing levels of heating demand.
- Improved visibility of energy consumption.
- Data to support ongoing energy-management initiatives.
- A dependable solution suitable for long-term operation.

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DMS Solution

Heat Metering – Sontex Supercal 5



DMS supplied a **Sontex Supercal 5 Thermal Energy Meter** for installation within the property's heating system.

The Supercal 5 calculates thermal energy consumption by measuring the volume of heating water flowing through the system alongside the temperature difference between the flow and return circuits.

This allows the building operator to see how much heat is actually being delivered to the property and provides a much clearer picture of heating demand over time.

For a hospitality and events venue, this can be particularly useful as occupancy and heating requirements can vary considerably. Busy events, functions and periods of increased visitor numbers may require significantly different heating levels compared with quieter periods.

Accurate heat-metering data therefore provides valuable insight into how the heating system performs under different operating conditions and can support more informed energy-management decisions.

The Sontex Supercal 5 also offers communication capabilities for integration with wider monitoring and Building Management Systems where required, helping make consumption data more accessible to facilities teams.

Results

The installation provided the venue with:

- Accurate measurement of thermal energy consumption
- Greater visibility of heating demand
- Improved understanding of changing energy-use patterns
- Reliable data for ongoing energy management
- The ability to monitor heating-system performance over time
- A robust metering solution suitable for a commercial property

By accurately measuring the heat delivered through the system, the venue can build a clearer understanding of its energy requirements and use real consumption data to support future efficiency and building-management decisions.

Why DMS?

With over 25 years of experience in heat and energy metering, DMS supports hospitality venues, heritage properties, commercial buildings and estates with reliable thermal-energy metering solutions.

As the **exclusive UK partner for Sontex**, DMS provides access to the complete Sontex heat-metering range alongside specialist technical support and product-selection advice.

From individual heat meters to larger commercial and multi-building applications, DMS can help specify the right metering solution for every project.

Discover the Sontex Supercal range and our complete heat-metering solutions at dmsltd.com or scan the QR code.

25 YEARS DMS METERING SOLUTIONS

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