



CASE STUDY: Utility Metering for a Leading UK Chocolate Manufacturing Facility

Sector: Food Manufacturing

Location: United Kingdom

Solution Provided: Heat, Water & Gas Meters

Overview

A major UK-based chocolate production site required a reliable and accurate metering solution to monitor energy and utility consumption across its extensive manufacturing operation. The solution needed to withstand high-demand conditions while providing long-term performance and data accuracy.

Project Requirements

- Comprehensive metering for heat, water, and gas
- Durable equipment suitable for food-grade production areas
- Compatibility with existing data acquisition systems
- Scalable deployment across multiple zones
- Reliable data to support operational efficiency & compliance

DMS Solution

To meet the facility's energy monitoring goals, DMS supplied a full suite of premium metering technologies from trusted European manufacturers:

Heat Metering - Sontex

High-precision heat meters were installed throughout the site to monitor thermal energy use across both process equipment and building services. Known for their long-term accuracy and stability, Sontex meters are ideal for energy-intensive environments like food production.

Water Metering - Apator PoWogaz

Robust water meters were selected to monitor both hot and cold water supplies across the facility, supporting hygiene-critical systems essential in chocolate manufacturing. Apator PoWogaz meters are well suited to continuous industrial operation.

Gas Metering - Honeywell

Honeywell gas meters were integrated into the plant's infrastructure to monitor usage for heating and key production processes. Their compact design and proven reliability made them ideal for the demands of the factory environment. All metering components were supplied with installation accessories and communication-ready outputs for connection to the central monitoring system.

Results

- Accurate utility consumption data across the entire production site
- Improved energy insight supporting sustainability and cost control
- Reliable equipment performance under constant operational load
- Full compliance with utility reporting and audit requirements

Why Choose DMS?

With more than 25 years of industry experience and as the exclusive UK partner for Sontex, DMS is trusted to deliver reliable metering solutions that meet both performance and compliance standards- especially for critical infrastructure such as industrial food production.

