

NEW BUILD CASE STUDY

£18.5m Spen Valley Leisure Centre

Full-Site Trend BEMS Design, Manufacture, Installation & Commissioning



"We were especially impressed with their work on the recent Spen Valley Leisure Centre new-build project. This was a large and complex development, delivered to a very high standard, with clear attention to detail, strong project management, and seamless integration of the BEMS from the outset."

Lee Holmes

Energy, Mechanical & Electrical Manager, Kirklees Active Leisure

The Site

Spen Valley Leisure Centre, located in Liversedge, West Yorkshire, is a high-demand, energy-intensive facility where heating, ventilation, and pool environments drive significant operational costs.

£18.5m Project value	New Build Leisure centre	Trend BEMS platform	25+ Years of experience
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The Challenge

- High and variable occupancy levels, resulting in variable energy consumption
- Visibility and capability to manage facilities and maximise energy efficiency
- Efficient control strategies to interface and synchronise a multitude of complex building services plant and equipment
- Increasing cost of energy and carbon reduction requirements

Key Capabilities

Centralised BEMS platform with dynamic Trend IQVision graphics

Full BACnet & Modbus integration with HVAC and other plant systems

Sophisticated, energy-efficient pool hall humidity and ventilation control

Smart scheduling based on site usage, with real-time monitoring, metering, and remote access

Experience you can trust. **Expertise** you can rely on. **Support** you can count on

Kinetic Systems Support (UK) Ltd | Ebenezer House, 605 Bradford Rd, Brighouse, West Yorkshire, HD6 4DN
T: 01484 907070 E: info@kineticgroup.co.uk W: kineticgroup.co.uk

The Plant

Boilers, Chillers, Combined Heating & Power Unit, Air Handling Units, Fan Coil Units, MVHRs, Lighting Interfacing, Energy Metering, Under Floor Heating, Swimming Pool Temperature Control, Air Quality and Humidity Control.

The Solution

A fully integrated Trend Building Energy Management System (BEMS), designed, manufactured, installed, and commissioned by **Kinetic Systems** — delivering real-time control, optimisation, and insight across the entire site.

Smart Control in Action

- Adjusts system parameters based on occupancy & demand
- Optimises heating and ventilation automatically
- Reduces energy waste during off-peak hours
- Maintains consistent comfort for users



The Results

✓	Reduced energy consumption
✓	Lower carbon emissions
✓	Improved plant efficiency
✓	Enhanced user comfort
✓	Increased operational visibility

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Why It Matters

Leisure centres are among the most energy-intensive building types. With the right BEMS in place — designed, manufactured, installed, and commissioned by experienced, trained experts — they can become more efficient, more sustainable, and more cost-effective to operate.

About Kinetic Systems

With 25+ years of experience, Kinetic Systems delivers innovative, independent, and tailored energy control solutions for building services, plant, and equipment across new and existing buildings — supporting the world's leading Building Energy Management Systems from design through to ongoing support.



**25+ Years
Experience**

**delivering innovative, independent,
and tailored energy control solutions,**
for building services, plant and
equipment in both new and existing
buildings

Accreditations & Partners



Planning a new build or BEMS controls project?

Get in touch with Kinetic Systems to discuss how a tailored BEMS strategy can cut energy costs, reduce carbon, and give you full visibility and control of your site.

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