

Multi-million pound school complex benefits from wide range of Monodraught ventilation solutions

- **End customer:** Cambridge County Council
- **Sector:** Education
- **Contacts:**
 - » **Consultant:** [Morgan Sindall](#)
 - » **M&E Contractor:** [Imtech G&H \(Yorks\)](#)
- **Location:** Ely, Cambridgeshire
- **Feature Products installed:**
 - » 16 N° Monodraught WINDCATCHER X-Air 200 Natural Ventilation Systems
 - » 4 N° Monodraught WINDCATCHER X-Air 170 Natural Ventilation Systems
 - » 3 N° Monodraught WINDCATCHER X-Air 140 Natural Ventilation Systems
 - » 4 N° Monodraught WINDCATCHER X-Air 110 Natural Ventilation Systems
 - » 48 N° Monodraught HTM F Hybrid Ventilation Systems
 - » 1 N° Monodraught HTM FS Hybrid Ventilation Systems
 - » 74 N° Monodraught VENTS AIR Wall Mounted Natural Ventilation Systems



Case Study

Littleport Academy



A £37.5m pound school development was recently opened in Ely, Cambridgeshire. Morgan Sindall were appointed to build Littleport Academy in 2016. Littleport Academy includes a primary school, a 3 storey secondary school and a SEN School. It currently accommodates over 650 pupils with room for further growth.

Morgan Sindall and their M&E partner Imtech have successfully achieved their targeted BREEAM “very good” rating for the building, which includes structural insulated panels for thermal efficiency.



Monodraught were specified to provide hybrid and natural ventilation across all three schools and the onsite sport centre including our HTM F and FS systems. These systems were designed specifically to meet the needs of the Priority School Building Programme and EFA regulations.

In addition, our well-established Windcatcher solution provides low energy natural ventilation in spaces such as Sports Halls, dining rooms, staff rooms or reception areas.

We take great pride in the quality of our engineering. Our systems are designed in accordance with our company ethos: innovation, sustainability, reliability and performance. Systems are tested extensively in house and by third party academic and research organisations to ensure that our solutions deliver the best possible results in buildings where the Windcatchers are installed.

Case Study

Littleport Academy



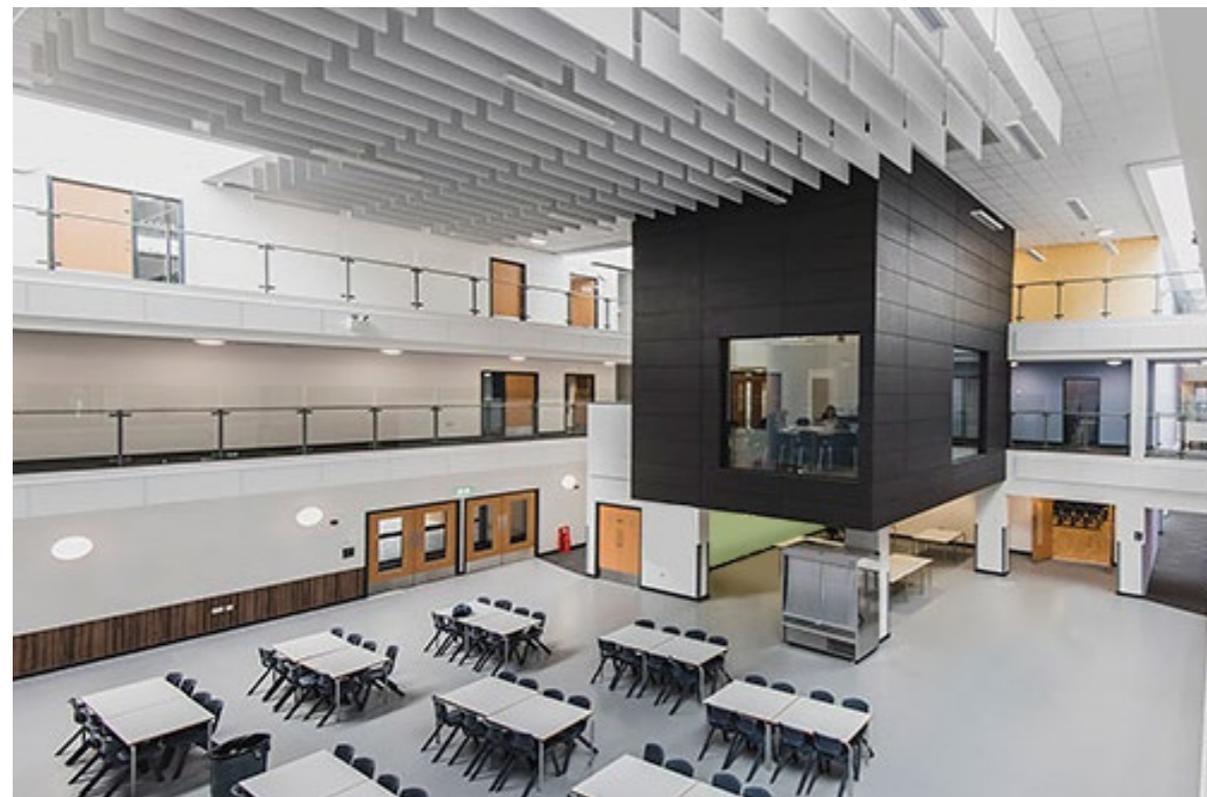
The HTM F and FS systems are designed to provide natural ventilation and hybrid ventilation (incorporating mixed tempered air for winter periods), with secure night time cooling and boosted levels of ventilation during summer.

Our experienced team were able to install these solutions and are on-hand to provide ongoing maintenance and support.

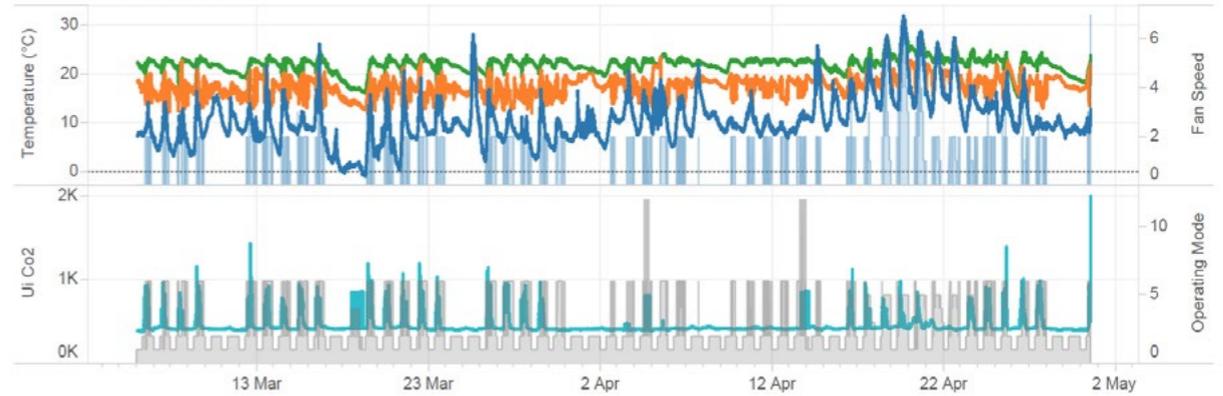
Our data monitoring over the initial period has showed that temperatures and CO₂ levels have remained consistent at an average of 584ppm during occupied hours, with an average mixed supply temperature of 17.7°C

Performance is continually monitored to allow for improvements in performance and product development.

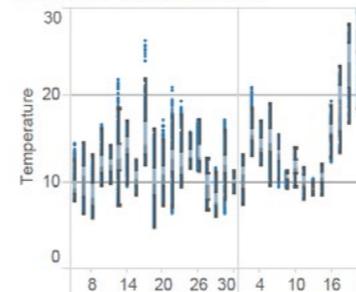
To find out more about how our systems could support your specific application, please get in touch with our [Technical Consultants](#) to discuss your needs.



Graphical Overview

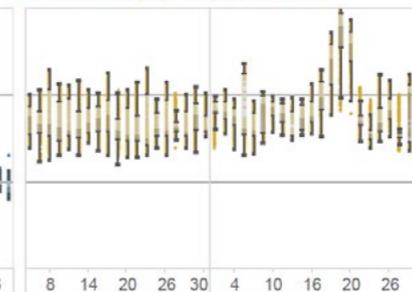


External Temperature



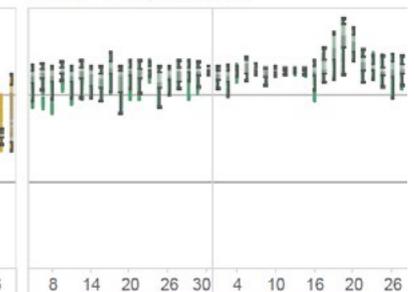
Avg. T5 (Ext)	13
Max. T5 (Ext)	32
Min. T5 (Ext)	5

Mixed Supply Temperature



Avg. T7 (Mixed)	17.7
Max. T7 (Mixed)	31.2
Min. T7 (Mixed)	12.0

Room Temperature



Avg. Uj Temp	22.7
Max. Uj Temp	28.7
Min. Uj Temp	17.8

Room Air Quality

