

CASE STUDY

HARROGATE CIVIC HQ

HARROGATE CIVIC HQ SHORTLISTED FOR PRESTIGIOUS CIVIC DESIGN AWARDS

- **Sector:** Government/Council
- **Contacts:**
 - **Architects:** [Farrell & Clark](#)
 - **Consultants:** [Ramboll](#)
 - **Construction:** [Harry Fairclough Ltd](#)
 - **End-customer:** [Harrogate Borough Council](#)
 - **Location:** Harrogate, Yorkshire
- **Products Installed:**
 - 30 No. Monodraught COOL-PHASE systems
 - 2 No. 1800mm WINDCATCHER Classic Bespoke Circular GRP Systems
 - 1 No. iNvent Control system.

The new civic headquarters for Harrogate Borough Council have been credited as a [regional finalist](#) in the 2019 Selwyn Goldsmith Awards for Universal Design and Civic Trust Awards. The new council offices were designed by Yorkshire based architects [Farrell & Clark](#).

Operating from a 1930's headquarters building and four administration offices, Harrogate Borough Councils' brief was to provide a single site for staff, councillors and the public facilitating a 'One Council' culture with reduced running costs and improved operational efficiency.



CASE STUDY

HARROGATE CIVIC HQ



Built over five stories, the design maximises internal daylight and natural ventilation with the majority of the building integrating intelligent Cool-phase units with manually opening windows and controlled louvered ventilation for managed occupant comfort. Pre-cast concrete floors and roof provide thermal mass whilst curved external walls are Structural Steel Framed with traditionally built local Yorkshire stone panels or curtain walling with profiled aluminium cladding.

The curved roof is a radial zinc standing seam, except at low level, where a green roof sits under the tree canopy and at high level where a flat roof accommodates photovoltaic panels.

Monodraught were specified to provide natural cooling and ventilation to all areas in an open plan office arrangement, whilst a central atrium space is ventilated by our bespoke ventilation system. Monodraught provided 30 N° Cool-phase systems and 2 N° Windcatcher Classic bespoke circular GRP systems.

Monodraught's Cool-phase systems contribute credits towards BREEAM standards for sustainability across a variety of factors, including credits for lifecycle costs, indoor air quality and for the use of low and zero carbon technologies. In 2018 Monodraught won the [Queen's Award for Enterprise, Innovation](#) for its Cool-phase systems.

Cool-phase is a low-energy cooling and ventilation system that creates a thermally comfortable, supply of fresh air. The Cool-phase system is energy and carbon saving, it uses an energy efficient variable speed fan with no compressors, pumps or other energy intensive components. A 5A single phase mains supply is all that is required.

CASE STUDY

HARROGATE CIVIC HQ

Natural ventilation brings a steady supply of fresh air into the civic headquarters, maintaining CO₂ levels and expelling stale air to the atmosphere using the natural buoyancy of thermal forces.

Monodraught natural ventilation and cooling systems have proved to be consistently effective and reliable over many years. The constant reporting and feedback to Monodraught's dedicated R&D team enables our products to be improved in their manufacture, aesthetics and performance.

Find out more about the [Cool-phase](#) solution on our product pages or visit our [Projects](#) pages to view other case studies.



Low Running Costs



Healthy & Productive



Energy & Carbon Saving



No External Units



No Refrigerants



Modular Design

