

Durham University

Natural ventilation at The Ogden Centre for Fundamental Physics



Project

Dyer Environmental Controls supplied and installed natural ventilation systems at The Ogden Centre for Fundamental Physics, Durham University.

The creation of the building strengthened Durham University's position as a world-leading centre of research in astronomy and cosmology.

The building, designed by Daniel Libeskind, is made up of offices, staff and student event space and a seminar room; all located around the central skylight atrium. The large skylights provide additional lighting for the central atrium, meeting areas and social gathering spaces below.

System

The central skylight is an integral part of the building and therefore needs to be properly ventilated. This is where Dyer's natural ventilation system comes in. Dyer worked with the window fabricator Topside Group to ensure the most efficient method of operation was achieved.

Dyer's synchronised rack and pinion drive sets provide the perfect balance of current consumption and power. This technology packaged in such a light, compact frame provided the perfect day-to-day natural ventilation solution.

Dyer also supplied and installed window chain drives, operated by a flush mounted wall switch to provide natural ventilation to the offices. The drives are RAL coloured to match the skylight and window frames.

It is possible to manage the supply and movement of fresh air within the Ogden Centre using Dyer's natural ventilation systems. Controlled opening of these windows generates an exchange of warm, stale indoor air and fresh outdoor air. The control provided by Dyer creates a healthy living, working and learning environment for all.

Location:

Durham

Products:

RAL coloured rack and pinion drives (ZA 85/1000-BSY-Set)

RAL coloured window chain drives (VCD 203/250-BSY-Set)

