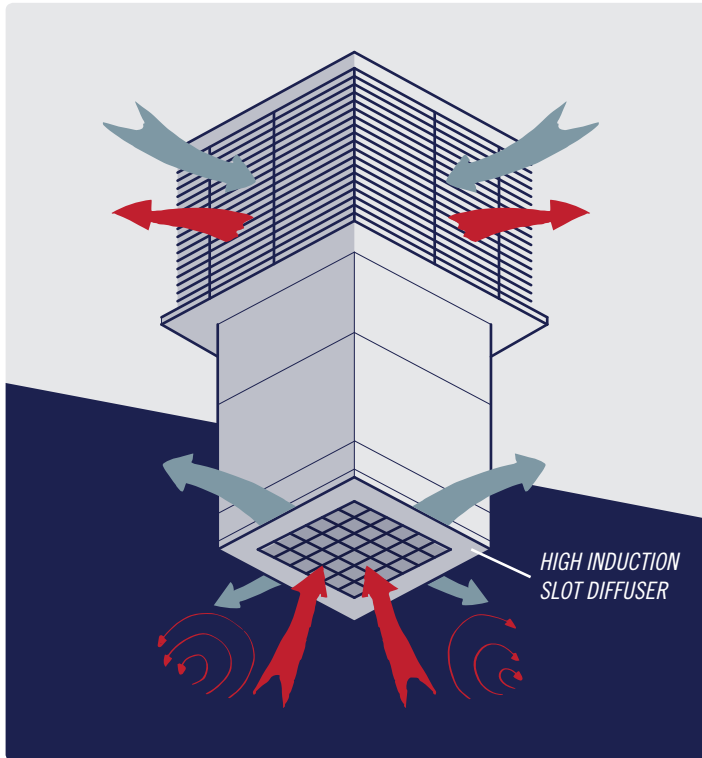


# HYBRID

## NATURAL VENTILATION HYBRID STRATEGY

Hybrid ventilation uses a boost fan system to assist natural ventilation. This strategy will come into use particularly during summer months and winter months to maintain comfortable conditions.

### PENTHOUSE LOUVRES TURRET (BOOST MODE)



The hybrid strategy offers extra support to the wind driven natural ventilation configuration. If wind pressure and temperature differences are not sufficient to drive airflow, a boost fan is fitted into the ducting to generate air movement usually for peak occupancy, but also to mix cool air in winter months when wind turbulence may not be enough, or cold draughts need to be avoided.

#### THE ADVANTAGES

- Can offer rapid cooling with higher levels of air movement
- Can quickly improve air quality
- Mixes cool air with warmer room air, reducing cold draughts
- Uses a highly efficient EC fan and high induction slot diffuser

### OUR HYBRID SYSTEM OFFERS CONTROLLED BOOST FAN VENTILATION SUPPORT



### SOUTH DEVON UTC

South Devon University Technical College was designed to accommodate up to 600 students as the first UTC in the area. A Hybrid natural ventilation strategy was used that supports a wind driven solution in their sports hall.

*The build included:*

- Wind driven hybrid vent turrets
- Weatherproofing
- BMS control integration

#### THE BENEFITS

- REDUCED ENERGY USE
- IMPROVED CARBON FOOTPRINT
- IMPROVED SPORTS HALL ENVIRONMENT
- COST EFFECTIVE SOLUTION