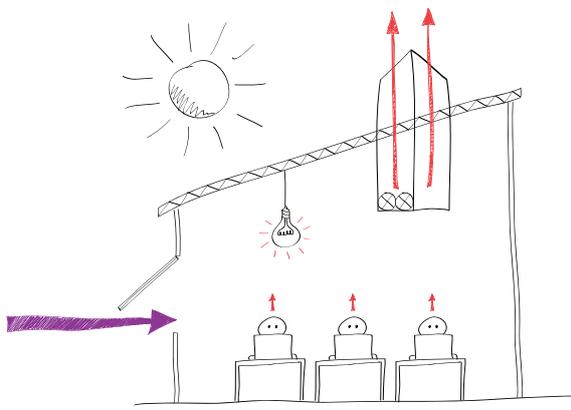


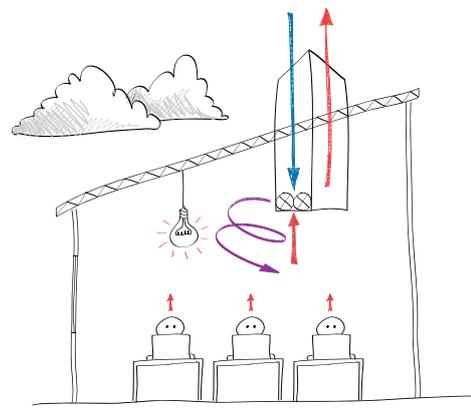
Breathing Buildings is the UK's leading low energy ventilation company – a spinout from Cambridge University that is changing the world of natural ventilation.

A research programme at the university created a new concept for ventilation that combines the principles of natural mixing ventilation in winter and natural upward displacement ventilation in summer. This was patented in 2005 and the company was set up to develop an easy-to-install system derived from the patent, and to provide the resulting e-stack product range to the industry.

The e-stack Roof System



Summer Strategy
Upwards Displacement Ventilation



Winter Strategy
Mixing Ventilation

What We Do for Our Clients

Our mission is simple

We aim to help clients create the lowest energy building possible with minimum associated CO₂ emissions and capital cost, whilst providing appropriate levels of ventilation and thermal comfort at all times of the year.

Design consulting

We have a wealth of experience and unique airflow modelling capabilities which enables us to devise the most appropriate natural ventilation strategies for any building.

Natural Ventilation products

The natural ventilation product range includes the e-stack system as well as standard dampers and louvres. The Systems are ideally suited to a variety of building types including school classrooms, halls, offices, theatres, healthcare and retail buildings.

Breathing Buildings not only provides intelligent products and services but also a design offering (which is supported by Professional Indemnity Insurance)

Our Customers and Partners

Breathing Buildings' customer base is varied: already e-stack ventilation systems are operating in over 80 different schools in the UK, as well as theatres, halls and supermarkets. The team also has design experience in more than 50 buildings across auditoria, shopping centres, multi-storey offices and apartment buildings.

We work closely with partners which enables us to offer complementary sustainable building technologies and hybrid solutions where necessary. Our partners include Modcell (carbon negative straw bale construction panels), Mitsubishi (provider of air conditioning systems) and Price Industries who are providing e-stack products in North America.



Use Our Services

If you are interested in creating a low energy building then we are ideally placed to assist you with the ventilation strategy of your project. Our website provides an array of information including a design tool which can be used to get started on the design of the ventilation system for certain room types.

Our engineers also provide assistance and our first consultation visit is free of charge.

If the project is relatively straightforward then we may suggest a range of options during the meeting and then work with the project team to develop the scheme further based around the e-stack product range. We also offer site visits to existing installations so that clients can see our systems in operation and talk to the end-users.

If the building is more complex then we might suggest that in-depth modelling is required, in which case we

will discuss how to work as part of the design team to develop the optimal low energy ventilation strategy.

Innovation

Our research and development doesn't stop here.

Whilst the e-stack system is ideal for certain building types in the UK climate, there are further opportunities to reduce the energy consumption of the built environment by integrating our system with other building technologies and extending the range of building types and climate zones in which our product can operate.

We have developed an intergrated heating control system which is now installed in a number of buildings. We also collaborate with the University of Cambridge's Undergraduate Research projects. Our research and development team continue to work on a number of fascinating projects with new product launches planned.



Awards



For More Information

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