



The single storey hall is predominantly timber frame construction. The external facade combines monocoche render, brickwork and cedar cladding.

The hall is naturally ventilated via 4 large passive stack ventilation devices with remote sensors and automated



The project was one of two multi-sport hall projects that were designed and constructed concurrently for Hertfordshire County Council. Both projects were completed on budget and four weeks ahead of programme to an extremely high standard.

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E-Stack = Naturally Cool Schools

E-stack low energy ventilation technology, developed at Cambridge University and marketed by Breathing Buildings Ltd, is fast gaining a reputation as one of the most innovative strategic solutions currently available for ventilating schools.

Recognised in the design, construction and building services industries for reducing total energy demand by up to 50% and maintaining low, stable carbon dioxide levels, the e-stack is increasingly specified by architects for schools projects.

Current installations include the new £22 million Monkseaton High School, near Whitley Bay, Tyneside, where 30 e-stacks have been installed; Swan Theatre refurbishment in Worcester; Unity College Secondary School, Northampton, and Port Regis School, Somerset. Each system is bespoke.

The e-stack difference lies in the way it mixes heat from the building with cool air from outside – the patented system captures the hot air generated by the combined effects of body heat, electrical equipment and lighting. It virtually eliminates cold draughts which means less radiator usage in cold weather and dramatically reduced heating bills.

“E-Stack prevents classroom windows being thrown open when a room is too hot and closed when it cools down again, making carbon dioxide levels yo-yo wildly and venting heat wastefully to the outside world. Every day, millions of pounds of paid-for energy are lost in this way,” says Breathing Buildings Director Dr Shaun Fitzgerald.

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Agripower Right on Track

With their continued success in the sportsturf and construction industries, Agripower Contractors are proud to announce their latest contract - Merchant Taylors Independent Boys School in Middlesex.

Agripower, based in Buckinghamshire, are one of the UK's leading sportsturf contractors and were selected to carry out the works against stiff competition from other companies.

The project consists of the construction of a 6 lane artificial running track, high jump and long jump facilities, 1st 15 rugby pitch, primary and secondary drainage systems, two full specification cricket squares, irrigation system and major earthwork re-modelling.



Work on site is due to commence in early April and is due to be completed within an 18 week programme.

The new project, which has been designed by Sportsturf Consulting will maximise and enhance the schools already great tradition of excellence in games and sport and form part of a much larger programme of other building and development projects.

Many former pupils have won international honours while at the School or later as members of the OMT Club and Agripower hope that with the help of their specialist and in-house team of experts that this will continue.

For further information, please contact Agripower Contractors on 01494 866776 or visit www.agripower.co.uk

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