

Pool ventilation systems for every type of pool

LEISURE CENTRE

CORRINGHAM LEISURE CENTRE, ESSEX

The existing system of ventilation did not include any form of energy conservation. Warm air was being blown into the pool hall along one wall and then being extracted via fans in the opposite wall.

ESG installed their patented combined pool hall and changing room ventilation unit. The air distribution system within the pool hall was also improved by installing high level supply combined with low level extract.

The pool environment is now comfortable and constant regardless of the outside weather.



SCHOOL POOL

KING EDWARD VII SPECIALIST SCIENCE & SPORTS COLLEGE, COALVILLE, LEICESTERSHIRE

The pool was originally heated with an indirect gas air heater and the heating in the changing rooms had long since stopped working.

ESG designed a variable fresh air ventilation system to serve the pool hall and changing rooms. The pool hall is ventilated using a loop air distribution system providing even temperatures around the pool hall, ensuring bathers feel no drafts.

HOTEL POOL

THE CARNEGIE CLUB, SKIBO CASTLE, DORNOCH

The pool is contained in a solid stone walled, glass roofed listed building. ESG designed and installed an energy efficient system complying with design constraints. The system meets the demands of high fabric loss combined with limited boiler capacity and low sound levels.

ESG configured their control system to provide the best conditions in the pool hall and avoiding condensation forming on the glazing even when the outside temperatures drop to -7°C without exceeding the boiler capacity available.



LEISURE POOL

SANDCASTLE WATERPARK, BLACKPOOL

The challenge was to provide enough dehumidification for this large leisure pool from the limited plant room space. This was achieved with two desiccant dehumidifiers. Both include 2.2 metre diameter desiccant rotors.

ESG were also asked to design and install the ventilation system for an additional attraction of a flume tower added in 2011.



PRIVATE HOUSE POOL

WESTFIELDBURY

The existing refrigeration dehumidifier was beyond repair and an ESG Variable Fresh Air system was installed. The pool has a large amount of summer solar gain. ESG's system provides 100% controllable fresh air cooling with three times as much air as the old system. The pool hall is now comfortable in summer conditions.

HYDROTHERAPY POOL

BRYNCOCH, SOUTH WALES

The high water temperature of a hydrotherapy pool requires a higher dehumidification rate than a normal pool. This pool is a part of the new Bryncoch Special School replacing Briton Ferry Special School. ESG previously installed a replacement pool ventilation system at Briton Ferry Special School in 1996.



ESG

Pool Ventilation



ESG - The Leading Pool Ventilation Specialist

ESG designs and builds pool ventilation systems, completing over 100 in the last 5 years.

An independent specialist since 1979, ESG aims to provide all its customers throughout the UK with best conditions, quality products and a complete system.

- Design to meet individual customers requirements
- Provide systems for all types and sizes of pool
- Deliver lowest running cost and long life
- Embrace new technologies, to improve products

Contact us for a free appraisal of your requirements.

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