

CASE STUDY

Corringham Leisure Centre Essex



Corringham Leisure Centre

Corringham Leisure Centre, Essex, is owned by Thurrock Council and operated by Impulse Leisure. The pool hall contains a 25m main pool and a 10m x 6m learner pool.

As part of major renovations to the pool hall, the roof and the Glulam beams supporting the roof required replacing, as they were in poor condition.

To ensure the building structure is maintained in the best condition, Thurrock Council made the decision to replace the existing pool hall and changing room ventilation equipment.

Thurrock Council chose ESG to supply and install their patented combined pool hall and changing room ventilation unit. The air distribution system within the pool hall was also modified to improve its efficiency by installing high level supply combined with low level extract. The ESG unit controls the environment in the pool hall maintaining the relative humidity below 60%.



The leisure centre staff have found the new system a great improvement over the old system. The pool environment is constant and comfortable regardless of the outside weather conditions. This has been a great benefit to all our customers using the pool facility.



Duty Manager
Corringham Leisure Centre





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.

The ESG variable fresh air system controls the amount of fresh air and recirculated air. Fresh air being used to control the relative humidity in the pool hall.

ESG was employed directly by Thurrock Council to provide a turnkey project. ESG employed local companies to provide additional services required for the installation.

System Specification

Pools - 25m x 8.5m & 10m x 6m

Water Temperature - 29.0°C & 31.0°C

Air Temperature - 30.0°C

Changing Room Volume - 354 m³

Pool Ventilation Rate - 4.8m³/s

Changing Room Ventilation Rate - 1.0m³/s

Total Ventilation Rate - 5.8m³/s

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.