

CASE STUDY

Isle of Anglesey County Council Holyhead & Plas Arthur



Holyhead



Plas Arthur

As part of an essential maintenance programme at both of these leisure centres, ESG was pleased to be approached by Isle of Anglesey County Council to design replacement ventilation systems for the swimming pools.

In both cases ESG was employed by the main contractor, DU Construction, who provided ESG with all the building modifications required in addition to their own works as part of the larger contract.

ESG has the ability and resources to design, build, install and commission the complete ventilation system. Each site had its own individual issues to overcome.



Public swimmers have commented on how more comfortable the pool temperatures are and that they feel warmer when standing in the swimming pool. Overall the pool conditions at both leisure centres have increased tenfold and we would like to thank ESG for their working standards.



Gwyndaf Jones
Senior Mechanical Engineer
Isle of Anglesey County Council



Holyhead



Plas Arthur



Holyhead



Plas Arthur

Holyhead was the more straight forward project as the Air Handling Unit was constructed in our factory and shipped to site in large pieces. The replacement ductwork was installed externally on the roof and entered the pool hall through modified windows.

Plas Arthur was more difficult as the Air Handling Unit was constructed in our factory and shipped to site in one piece to be craned into position, on a roof between the pool hall and sports hall. The existing supply ductwork within the pool ceiling void was retained but everything else was replaced.

System Specification - Holyhead

Pool - 25 x 11m & 11 x 5.7m

Water temperature - 29.5°C

Air temperature - 30.0°C

Ventilation rate - 6.5m³/s

System Specification - Plas Arthur

Pool - 25 x 8.5m & 11.8 x 7m

Water temperature - 29.5°C

Air temperature - 30.0°C

Changing room volume - 708m³

Ventilation rate (pool) - 5.6m³/s

Ventilation rate (changing rooms) - 2.0m³/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.