

## CASE STUDY

# Heartsease Primary School, Norwich



*Heartsease Primary School, Norwich*

**NPS Property Consultants Ltd a national organisation, employed by Norfolk County Council, approached ESG Pool Ventilation with a project to design, install and commission a pool ventilation system.**

The new system was part of a major refurbishment project of the swimming pool at Heartsease Primary School. ESG have previously completed a similar project with NPS at Swanton Morley Primary School.

The majority of the building refurbishment was carried out by the main contractor, Draper & Nichols Ltd. ESG worked closely with NPS and Draper and Nichols to provide the complete ventilation system for both pool hall and changing rooms.

Due to very limited plant space the ventilation plant was installed on the roof between the male and female changing rooms above the existing plant room. Therefore sound levels from the plant had to be kept to a minimum with houses backing onto the school site.



No condensation, warm, temperature stays the same all day. System working well.



Vivien Beaumont  
Swimming Instructor





ESG provided and installed the complete system within budget and time scale, the pool is now a nice warm environment for children to learn to swim.

ESG's variable fresh air system combined with ESG's control system provides a cost effective answer. The control system constantly adjusts the air flows within the air handling unit to control humidity and temperature within the pool hall whilst taking into account external weather conditions. Thus providing excellent conditions combined with the lowest running costs.

#### **System Specification**

*Pool - 15.2m x 6.1m*

*Water Temperature - 28.0°C*

*Air Temperature - 29.5°C*

*Changing Room Volume - 149m<sup>3</sup>*

*Ventilation Rate*

*Pool - 1.6m<sup>3</sup>/s*

*Changing Rooms - 0.4m<sup>3</sup>/s*

*Total - 2.0m<sup>3</sup>/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.