



## PROJECT CASE STUDY

# THOMAS ALLEYNE'S HIGH SCHOOL

Thomas Alleyne's High School is a coeducational upper school and sixth form located in Uttoxeter, Staffordshire. The founder Clergyman, Thomas Alleyne, who passed away in 1558, left provisions in his will to establish three schools including Thomas Alleyne's High School. All three are still in existence and remaining as educational facilities for over 460 years. Although the school has grown over the decades and now has over 27 building, the original listed school building still exists.

Most recently, the school has undergone a major refurbishment of the swimming pool along with the construction of a gym, changing rooms and 3 classrooms.

AirCraft Air Handling worked with the school's nominated contractor, with regards to the specification of a replacement fresh air displacement AHU. The new AHU was required to provide tempered fresh air into the Pool area and drive the humid/stale air out to atmosphere via roof mounted extract louvers, using the most energy-efficient manner.



To assist in reducing running costs, AirCraft Air Handling manufactured an efficiency heat recovery AHU incorporating a plate recuperator that offers c.75% reduction in heating costs vs the original AHU, along with high-efficiency EC fans that save on electrical running costs and lowering maintenance costs by omitting the traditional belt driven fans of the old unit.

All of AirCraft Air Handlings' pool compliant AHU's are built with a high level of anti-corrosion to ensure longevity on capital investment.