MITSUBISHI HEAVY INDUSTRIES
AIR CONDITIONING & WATER HEATING

MITSUBISHI HEAVY INDUSTRIES

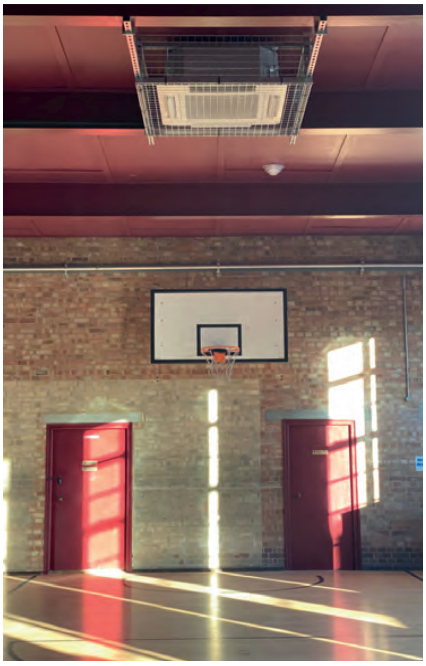
Case Study: Gymnasium Installation

Grammar School creates active environment with renewable technology

CASE STUDY:
GYMNASIUM INSTALLATION,
LEWES OLD GRAMMAR SCHOOL

Lewes Old Grammar School, established in 1512, is one of the oldest schools in the UK and its historic buildings present a unique and complex challenge with regards to heating, cooling and ventilation.

Across the schools portfolio of buildings, they had several inefficient electric storage heaters and recognised that the units in the sports hall were long overdue to be replaced, having been damaged by years of impact from footballs and other sporting equipment.



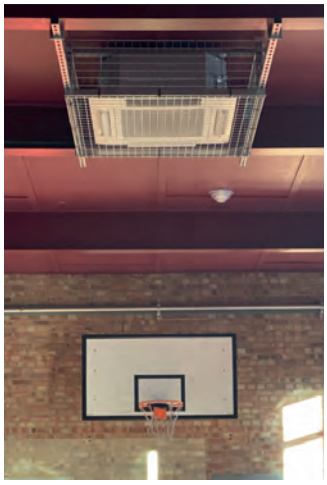
The school wanted to find a more energy-efficient solution for the sports hall, which not only saved in running costs but was also out of the way of the sports activities. Providing a comfortable environment whilst performing highly during a game is vital to the success of a team or individual. It was also important to maintain comfortable temperatures all year round.

MITSUBISHI HEAVY INDUSTRIES
AIR CONDITIONING & WATER HEATING

"The new systems have made a significant difference to the room environment and have reduced our running costs for heating the space, which has also helped us reduce our overall carbon footprint. We are delighted with the result from Climachill and MHI"

LEWES OLD GRAMMAR SCHOOL

Once air conditioning was identified as the best option, the school contacted Sussex-based specialist Climachill, which has worked with them on HVAC solutions since 2008. After an in-depth survey, Climachill decided to use two 12.5kW standard ceiling cassette - hyper inverter systems to provide heating and cooling. By selecting cassettes, the units could be mounted at ceiling height to offer protection from the sports activities in the hall.



After researching manufacturers, Climachill opted to use Mitsubishi Heavy Industries' R32-based twin split cassette system. MHI was chosen for the project due to its advanced control options on the units, which would save on energy and running costs. The wall-mounted controller features a warm-up function which monitors the outdoor temperature, and will intelligently adapt to changing conditions to ensure that the hall is at the correct temperature at the right time. Using this optimised start approach saves on energy and allows for more accurate control of the system.

Since installation, the systems have not only provided a year-round comfortable environment for the sports hall, but also have reduced energy consumption and carbon emissions by over two thirds.

A representative of Lewes Old Grammar School, said: "We have used Climachill for several years now. They have installed various MHI air conditioning and heating systems throughout the school as an energy efficient method of heating classrooms, whilst being able to cool them in the summer."

"When we needed to decide how to efficiently heat our gymnasium we relied on the expertise of Climachill to come up with a solution and we were very happy with their suggestion of utilising more MHI systems as they have proven to be so reliable for us."

Paul Goldstein of Climachill said: "We partnered with MHI back in 2007 as our 'go-to' manufacturer of choice for air conditioning and heating systems. Several thousand systems later and they remain our 'go-to' partner."

"MHI systems are simple to install, easy to work on and so inherently reliable that over the years the term 'bullet-proof' is a phrase we would use to describe the kit"

"It was a very easy choice to recommend MHI systems to Lewes Old Grammar School as we know they will be benefiting from the latest energy-efficient systems with the latest technology."
"Importantly for us, we can fit the systems and forget about them until the next planned maintenance visit and know that the school will benefit from many years of hassle-free heating and cooling."

If you would like more details about our range of R32 split air conditioning systems, then please contact MHI Direct or your local Beijer Ref branch today.