



CASE STUDY

GARSINGTON OPERA – DEMOUNTABLE PAVILION

Garsington Opera's move to Wormsley, a lush English pastoral estate between London and Oxford, has significantly upgraded their facilities in line with the expectations of 21st Century opera goers. The new pavilion offers superb acoustics and a perfect setting in which to experience opera performances of the very highest quality. The 600-seat summer pavilion is designed to be demounted annually within 3-4 weeks and will leave no permanent trace when removed.

The pavilion was constructed using pre-fabrication techniques which minimised material waste, ensured a consistent level of workmanship, reduced the construction time spent on site and allowed the galvanized steel building to be assembled/disassembled as quickly and economically as possible.

The whole steel structure was prefabricated and galvanized, providing a maintenance-free, corrosion resistant protective finish.

The galvanized coating was selected for its long-term protection – Garsington have a 15 year lease on the site and the building has been designed for a working life of at least this period – and for its durability, a key aspect considering that the building is designed to be annually installed and demounted. The longer-term environmental aspects of a maintenance free coating were also of paramount importance to the design team.

Above and Below

Galvanized steel facilitates annual construction and deconstruction of the pavilion



Innovative acoustic research facilitated the use of a lightweight galvanized steel and fabric construction that is not normally associated with auditorium construction – all capable of being repeatedly erected and dismantled without damage to the components.

Below

The opera pavilion hosts performances throughout each summer



Image credits: Stephen Wright/Dennis Gilbert

Learn more about galvanized steel and the circular economy

The galvanizing industry is moving forwards - keeping galvanized steel at the forefront of solutions for tackling climate change and delivering the circular economy.

Galvanized steel can provide innovative solutions that optimise durability and facilitate circularity of steel structures and components. These solutions can be easily implemented using this well-established and simple method of protecting steel.

Learn more at www.galvanizingeurope.org