

TCRC Case Study: Newport Transporter Bridge Visitor Centre



Inverted Roof Waterproofing Protection for Busy Visitor Centre

Newport Transporter Bridge opened in 1906 and is one of only six operational transporter bridges left world wide from a total of twenty constructed. It is a Grade 1 listed structure and is an impressive monument to Edwardian engineering.

Alongside the Bridge a new and improved Visitor Centre has been built to accommodate the growing number of visitors and this is run by volunteers at The Friends of Newport Transporter Bridge.

Helping Provide an Enhanced Visitor Experience

On this unique project, TCRC were engaged to provide a complete roof waterproofing solution for the new Visitor Centre. Funded by charity money, the building features an inverted roof construction onto which TCRC installed a number of high performance systems.

On the main roof and plant roof areas, a Bauder Bakor ballasted hot melt waterproofing system was specified. This incorporated 160mm XPS insulation along with BauderRock non-combustible insulation on the two metre high upstands. Elsewhere on the external terrace areas, a Bauder Total Roof bituminous membrane system was specified, including tapered BauderRock thermal insulation.

This was a challenging project to complete, particularly due to its exposed location next to the River Severn. However, a first-class result was achieved thanks to quality products and expert workmanship from TCRC.

It is hoped that the new Centre will more than double visitor numbers to the site, which are currently 16-20,000 a year. The Friends of the Newport Transporter Bridge can also now enjoy and share the history and heritage of the bridge in a much more modern building that reflects the area's industrial history and architecture.

Project: Newport Transporter Bridge Visitor Centre

Location: Newport, South Wales

Products: Bauder Hot Melt & Bituminous Membrane Inverted Roof Systems

