



Newcastle Central Station Newcastle, UK

Completion May 2014

Project Type Infrastructure

Client Network Rail

Main Contractor Galliford Try Construction Ltd

Value £4.9m

Area 1,700sqm

The brief was to declutter and revitalise the beautiful grade I listed structure and provide new and improved passenger facilities incorporating ticket, information and retail accommodation. To meet funding criteria, a challenging timescale was imposed.

Retrofit Strategy

The scope involved extensive works on the main concourse with the sensitive issue of internalising the existing entrance portico. The portico was transformed from a vehicle drop off space into a pedestrianised gateway to the city.

The new portico includes ticket and information services as well as a number of retail outlets to maximise revenue generation from the 20,500 passengers that use the station each day.

The old 1980s ticket office on the main concourse was removed and replaced with new retail units.

Retrofit Type

Critical Infrastructure - Transport
Heritage





All of the original building structure from 1850 was retained. The contemporary construction was placed inside, with care given to ensure minimal contact with the existing structure.

The main challenges were related to protecting the grade I listed structure while keeping the station open through almost the entire works.

The design also needed to be carefully considered to ensure the contemporary design sat comfortably alongside the listed building. This was achieved through the use of very simple, clear and carefully detailed structures that complemented the existing spaces.

The pedestrianisation of the portico has significantly increased the accessibility of the station. The improved, open arrival space with additional retail options has also resulted in economic benefits to the station and the local area.



Lessons Learnt

A 3D Matterport survey was carried out on the areas hosting the retrofit works. As a result, it was discovered that there was a considerable fall of 500mm across the width of the portico which was not apparent at the outset. This had a significant impact on the new glazing and how it was set out against the existing stonework.

“Working closely with Network Rail and English Heritage, Ryder achieved listed building consent effectively and efficiently in a very short period of time. Work has been carried out on the live site with minimal disruption to the station and its users.”

Jeremy Wayman, Town Planner, Network Rail

