



**READING STATION (RSAR)
DEVELOPMENT PROJECT**

**HYDRAULIC JACKING AND
TEMPORARY PROPPING**

CONTRACT SERVICES - HIRE - SALES

PROJECTS

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PROJECT DESCRIPTION

Reading Station is undergoing a transformation programme as part of the wider £895m Reading Improvement scheme. to 105 and 82 meters in height.

The redevelopment project consisted of complete installation of transfer decking to access all platforms and improvements to the surroundings, of the station



Hydra Capsule were also appointed to assist with the complete demolition works of a 50 metre footbridge over 2 phases.

Completely supporting the footbridge deck at 4-points over 8 platforms, whilst the works were carried.

In addition to the above works, Hydra Capsule installed diagonal propping for strengthening works, with a capacity of 30,000 kNs and existing temporary supports throughout an majority of liftshafts. While installation and repair works we carried out for the structural steelworks.



PROJECT WORKS

Hydra Capsule were appointed to design, Install and hydraulically jack existing supports throughout the RSAR Project.

The works consisted of installing approx 25 tonnes of propping through the complete sub-way, supporting "live" platforms and tracks. With a capacity upto 36,000 kNs.

In addition a jacking system was installed, pre-loaded and jacked excess displacements of the main structural steelwork staircases, using a 600 tonnes synchronised jacking system. Whilst all the remedial works were completed, prior to de-energising the system



Client

Network Rail

Type of Works

Synchronised Hydraulic Jacking
Temporary Propping Works
(Heavy Duty System)
Design and Manufacturing of
Bespoke Steelwork

Commence Date

September 2012

Completion Date

February 2013



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