

# Project Profile



**CONCRETE  
REPAIRS**

**Project:** Birmingham New St Station - Cathodic Protection

**Client:** Network Rail



Birmingham New Street Station is said to facilitate the daily movements of around 140,000 passengers, over double the number the previous station redevelopment was designed to take. This was good enough reason alone to invest some £700m redeveloping the station to meet current demands.

On a site of this scale there are many challenges faced by the construction team, phasing and careful planning of the works allowed the station to remain functional throughout construction phase, to ensure minimal disruption to services.

**APA Concrete Repairs Ltd** were employed to design & install large scale cathodic protection (CP) to preserve the condition of the reinforced concrete frame supporting large sections of the station, spanning the railway lines and 12 platforms below.

Installing Cathodic Protection was 'value engineering' that meant the original structure could be retained rather than replacing it, a route that would have otherwise extended the programme, involved significantly greater expense and have a greater complexity. All this was avoided through engaging with the specialists, **APA Concrete Repairs Ltd** through Early Contractor Involvement (E.C.I).



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