

“Plat-Form Announcement”

To accommodate the increase in long high speed Intercity trains arriving into Stoke Central Station Railtrack authorised the 70-metre extension of Platform 1. The North Staffs Alliance, comprising of WS Atkins Rail and Carillion Rail, were appointed as project managers and the scheme was finalised after being introduced to the Platipus Anchoring System.



The extension was created using a pre-cast concrete wall formed in 1.5 metre sections. Once in position, each individual section had to be supported and stabilised using an anchor point. The Platipus S10 anchor was specified by WS Atkins Rail for its high load capacity, compatibility with stainless steel solid rod and unique profile requiring only a single 125mm-diameter corehole.

Forty-five anchor systems with a 120-year design life were installed at a 30-degree angle to a depth of 6 metres. Anchoring into the dense granular soil behind the wall

meant that the required proof load of 40kN's was easily achieved.

Another reason for choosing the Platipus system was that all forty-five anchor systems could be installed, proof loaded and fully operational within the 20 hour limited possession period available to the sub-contractor, Carillion Rail.

