

Case Study





Network South Central maintenance sheds – Brighton and Selhurst, South London

Engine sheds are pretty big places. Long, large buildings the width of half a dozen tracks or so, and as long as a train.

When Amec were contracted to upgrade Network South Central's maintenance workshops at Brighton in Sussex and Selhurst (South London), they had a problem. How to heat around 200m (length) of workspace efficiently, economically and effectively. A problem which we solved.



The Brighton engine shed during refurbishment

Our designers looked at various options, and particularly in view of the large heat losses through the roof, developed a scheme utilising an Ambi-Rad Nor-Ray-Vac system. This enabled us to concentrate heat onto the work areas between the trains from roof hung radiant heaters.



Working on a Nor-Ray-Vac unit high in the roof

Installation was a demanding operation – not because of the height and positioning of the heaters and ancillary equipment, but mainly due to the scheduling of work to fit in with the host of other contractors on site. Our engineers had to be in and out, on the days and times allocated to us, with the minimum of disturbance and fuss. We brought in all our own equipment and worked around a tight timetable to meet the deadline.

That we did so with ease is testament to the quality of engineers. They had to cope, not just with a difficult working environment where different contractors had to work together, but also the stringent health and safety demands of a site that still had trains operating in close proximity.

From engine sheds to a small family chemist's shop. From a large industrial plant to a single office. No matter how big (or how small), we have the expertise to complete the job.



The business end of the Ambi-Rad Nor-Ray-Vac system installed at Brighton

Technical spec

Network South Central maintenance shed improvements

Selhurst workshop – 7 x 180 metre rows (1,260 metres) of Ambi-Rad Nor-Ray-Vac heating comprising 50 burners, plus approximately 550 metres associated gas main.

Brighton workshop – 754 metres of Ambi-Rad Nor-Ray-Vac heating comprising 24 burners, plus approximately 400 metres associated gas main.

A continuous direct gas-fired, condensing, vacuum fan flued, infrared space heating system to give radiant heat to the working area between the trains.



The Network South Central maintenance sheds at Brighton