

Bermondsey Dive Under

A scaffolding solution that's keeping a Thameslink milestone on track.

The project at a glance

No health and safety incidents on a project where interface with live rail during construction presented severe risks, rapid creation of 3,000sqm of deck at a 7m high soffit within just six months, ability to adapt PERI UP throughout the project to change concrete pour sizes according to conditions, immediate supply of PERI UP material to site from PERI's European subsidiaries.

"The fact we were able to continue to evolve the scaffold system is testament to PERI's flexible design of the equipment."

Project Manager,
UK Reinforcements

IAN WISE



Client: Thameslink

Contractor: UK Reinforcement

Project type: Rail

Products and Services: PERI UP, Multiprop

What did the client need?

First opened in the 1980s, Thameslink delivers a north-south mainline rail link through the heart of London. Upgrading it is a mammoth engineering task – with work on the Bermondsey Dive Under involving a £6bn project, including the design of a new section of railway to ease congestion towards Kent. Skanska, the main contractor, together with UK Reinforcements, identified PERI UP as the best multi-deck scaffold solution for this high-risk, high-pressure project.

What was the challenge?

Not only did we have to complete work to tight timescales between each concrete pour, but we had to do so whilst utilising Brunel's existing viaduct foundations and piers, and with an operational Southern Rail line running into London Bridge Station. This presented several health and safety risks, in addition to the usual fall-from-height dangers associated with such projects. It also meant that we had to overcome major technical challenges regarding design, with the protection of the workforce and the existing structure of paramount importance.

How did we help?

secure installation, lightweight construction and adaptability, as well as its ability to take on these challenges. By providing incorporated safe access and fully decked out platforms during assembly, PERI UP minimised health and safety risks, and ensured extra peace of mind through its crash deck. Additionally, we adapted our scaffolding system geometrically to suit loading conditions, maximising space on site.

Set to be completed in spring 2017, the Bermondsey Dive Under is a unique project with very specific, demanding challenges.

Our system's ability to meet these challenges, while enabling work to progress swiftly and smoothly, meant that the operation could stay on track, safely and efficiently. It was also the proof of the adaptability of PERI UP, and we continue to evolve our shoring scaffold system to meet changing requirements on this and other projects.



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