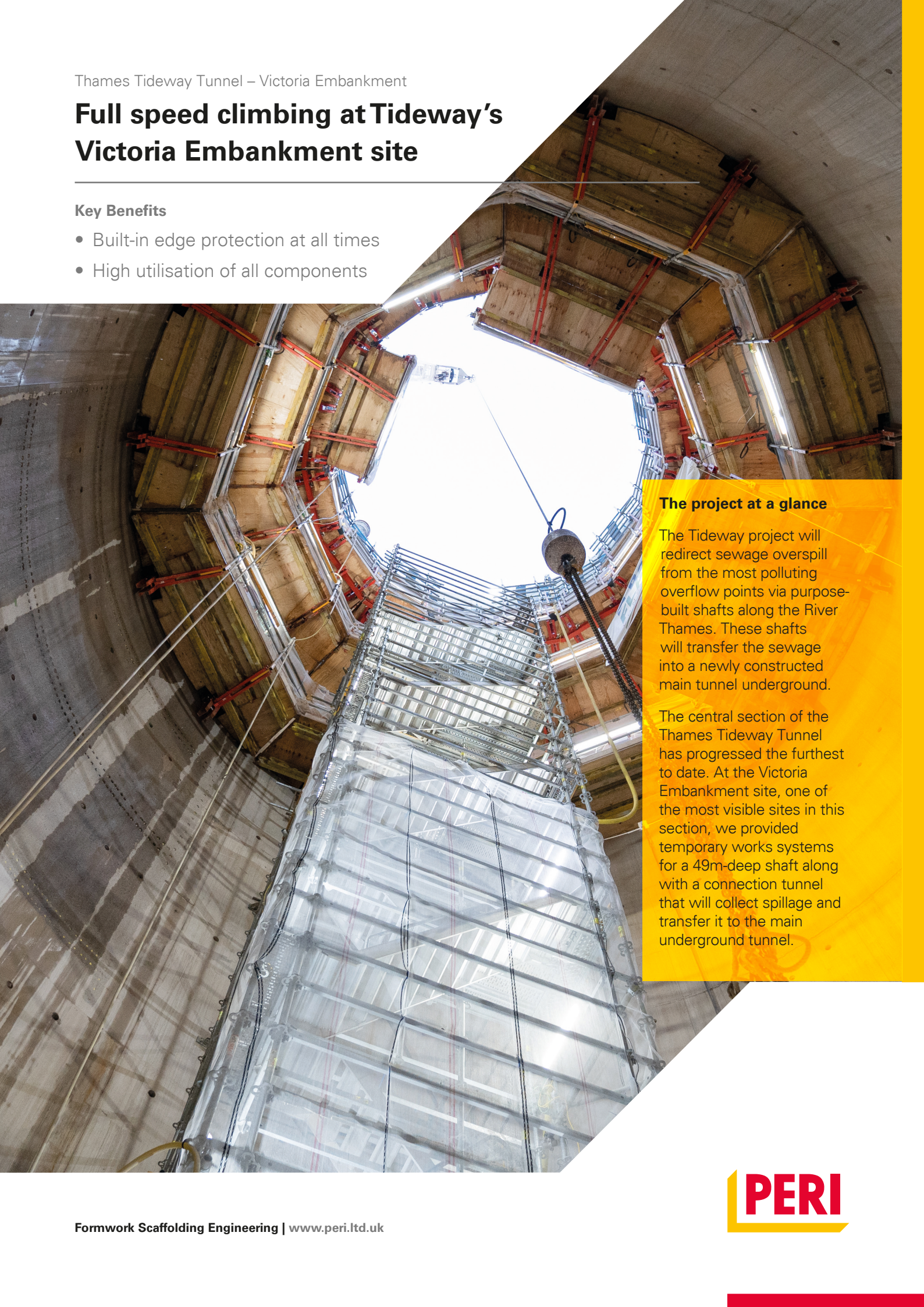


Full speed climbing at Tideway's Victoria Embankment site

Key Benefits

- Built-in edge protection at all times
- High utilisation of all components



The project at a glance

The Tideway project will redirect sewage overflow from the most polluting overflow points via purpose-built shafts along the River Thames. These shafts will transfer the sewage into a newly constructed main tunnel underground.

The central section of the Thames Tideway Tunnel has progressed the furthest to date. At the Victoria Embankment site, one of the most visible sites in this section, we provided temporary works systems for a 49m-deep shaft along with a connection tunnel that will collect spillage and transfer it to the main underground tunnel.



Customer: Flatley Construction

Main Contractor: Barhale

Project type:
Infrastructure, Water Treatment

Products & Services:
SCS Climbing System, RCS MAX Rail Climbing System, VARIO GT 24 Column Formwork, PERI UP Flex Stair 100/125



What did the customer need?

Flatley Construction required a climbing formwork system that would enable 360-degree access from the bottom to the top of the shaft in order to complete the secondary lining works.

What was the challenge?

The climbing formwork design had to support the load requirements, including all working platforms while minimising material usage and accommodating the shape of the shaft.

How did we help?

We designed and provided a hybrid climbing solution to enable secondary lining works. The design incorporated our SCS climbing (single-sided climbing) system with RCS MAX pumps.

One of the main reasons for integrating the RCS MAX pumps is its significant safety benefit. The pumps' capacity to push the entire shaft formwork up as one ring meant leading edges could be avoided with each cycle and edge protection costs were minimised.

Cost efficiency has been one of the main drivers of the solution, where the utilisation of each component has been carefully considered. An example of this is how the minimal number of climbing brackets were used to provide optimal support for the system's lifting capacity and speed.

Spreader beams provided additional lifting support as we used them to distribute the lifting load. Without these beams, the solution would have been difficult to achieve given the shaft's geometry.

Contact us by email
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