



VolkerLaser is one of the UK's leading multi-functional contractors. Providing a wide breadth of specialist capabilities including waterproofing, strengthening, joint and bearing replacement, and extensive structural repair services across the built environment.



Photo courtesy of Transport Scotland

VolkerLaser serve all sectors of the industry, applying the same high standards whether leading a multi-million pound framework, or engaged in minor works. As a main contractor, we deliver vital refurbishment and strengthening works to key structures across the built environment, liaising closely with stakeholders across all levels to manage, and deliver projects of varied logistical challenges.

Our specialist capabilities are the heart of our business; as a supply chain partner we work nationally to solve complex problems in all kinds of diverse environments.

VolkerLaser's specialisms include:

- Bespoke access
- Brick stitching and repair
- Bridge bearing inspection, supply and replacement
- Bridge deck waterproofing
- Bridge jacking design and installation
- Cathodic protection
- Carbon fibre wrap
- Coatings and impregnations
- Concrete repair
- Crack injection
- Expansion joints repair and replacement
- Heavy duty propping
- Hydrodemolition
- Liquid applied roofing
- Multi-storey car park refurbishment
- Structural monitoring
- Temporary works design and installation
- Waterproofing



### Part of something bigger

VolkerLaser is part of VolkerWessels UK, a leading multidisciplinary contractor that delivers innovative engineering solutions across the civil engineering and construction sectors including marine, water, energy, rail, highways, airport and environmental infrastructure.

The company employs over 3,200 staff across the country, and brings together best practice through five business units: VolkerFitzpatrick, VolkerRail, VolkerStevin, VolkerHighways and VolkerLaser. These business units each have a long and successful heritage built on delivering quality and bespoke projects, as well as providing specialist skills, plant and equipment. Our success is founded on our ability to deliver in challenging environments and regularly winning repeat business from established clients.

Collaboration is also at the heart of what we do, as we share best practice and draw on the specialist skills of each business unit to deliver a truly integrated service to our clients. By utilising the specialist skills of each business unit within VolkerWessels UK, we are able to ensure our people provide unrivalled resources and expertise to our clients.



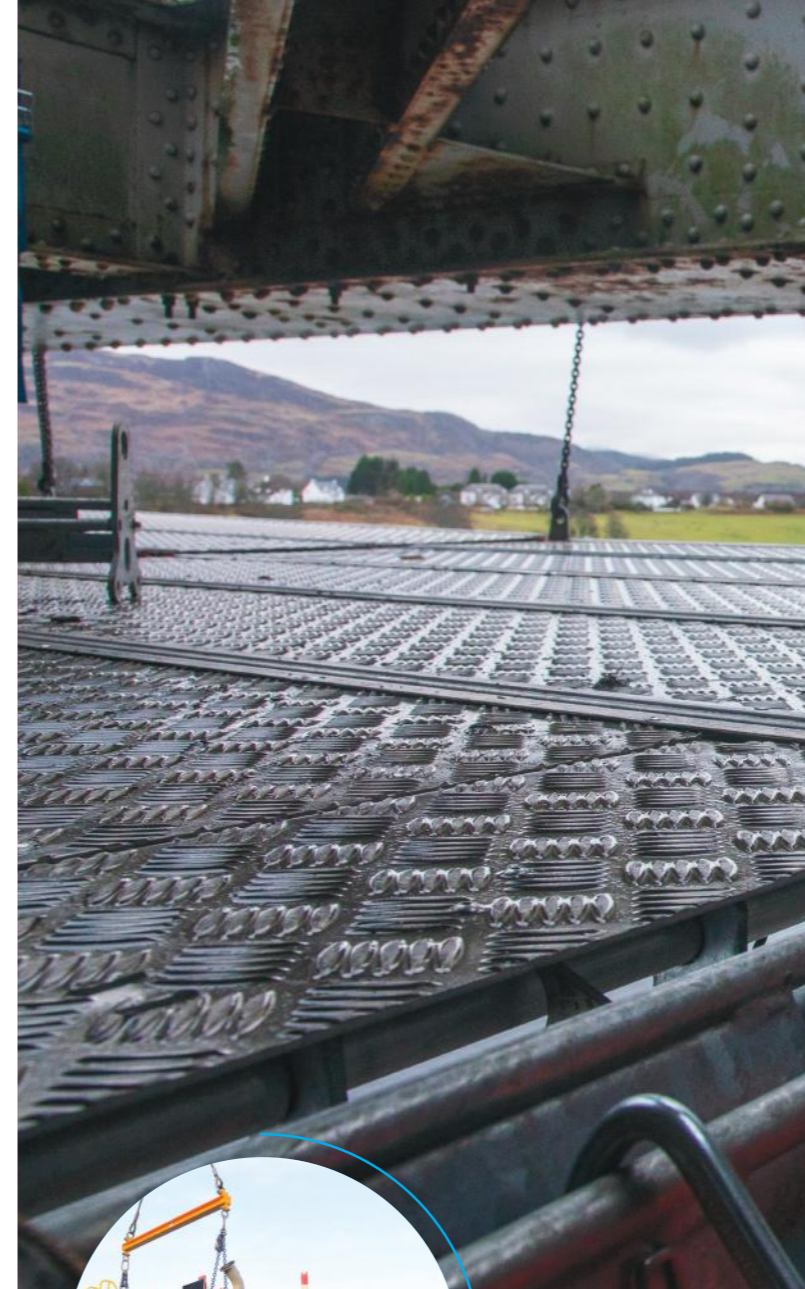
## Bespoke Access



VolkerLaser offer a range of bespoke access solutions and temporary works, to suit a wide range of applications.

Utilising in-house expertise, we can provide comprehensive technical advice, design, and installation of bespoke access solutions for structural repair/maintenance projects. Using a collaborative approach, we deliver safe, effective, and efficient means of access.

VolkerLaser has both UK exclusivity, and international agent agreements with Fast Beam, for the supply and installation of its innovative parapet access system.



We are also working in partnership with Velo Tech Systems, using their V-Deck™ product in the infrastructure market. V-Deck™ is an innovative under deck access system, which can provide a highly efficient solution in its own right, but can also work in tandem with Fast Beam to offer a unique system.

When infrastructure meets water, we can offer a safe and dry environment using a limpet cofferdam. Our strategic partnership and agreement with Acotec means we can also support marine works below the water level, be that on the coast or inland, on rivers or canals.

### Experience and capability:

- 3D design
- Cofferdams
- Fast Beam
- Platforms and gantries
- Scaffolding
- Specialist rope access
- V-Deck™

In addition, we can provide a complete bridge bearing replacement service either as a principal contractor or as a subcontractor, including, where needed, design of project specific temporary works, supply and operation of bridge jacking systems, and hydrodemolition.

As part of our extensive bridge refurbishment and repair specialisms, VolkerLaser also have the facility to provide bespoke access, and heavy duty propping systems to support bridge jacking operations, bridge sliding and lifting, and more complex bearing replacement projects.

### Experience and capability:

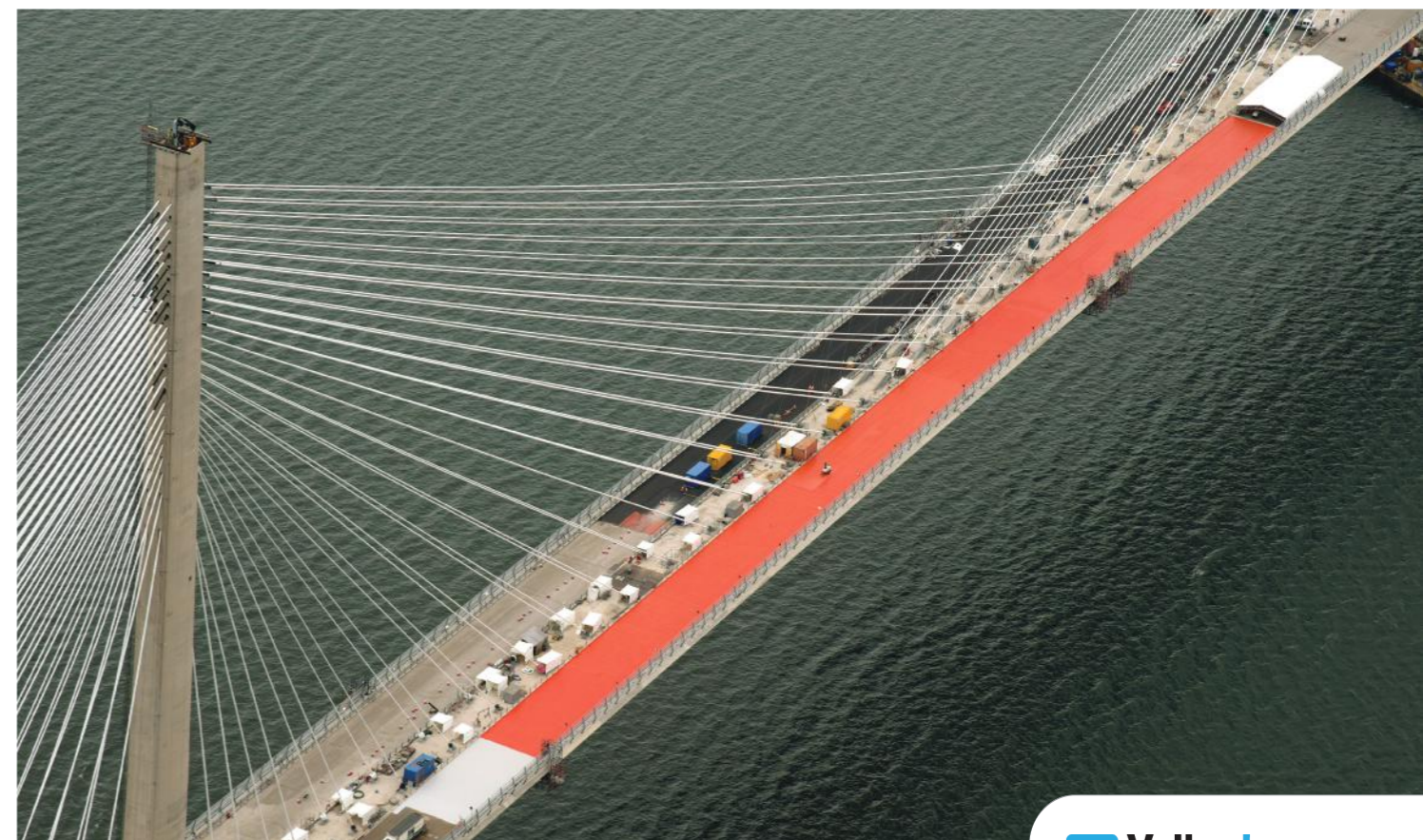
- Bearing inspection, supply and installation
- Bespoke access
- Bridge deck waterproofing
- Carbon fibre wrap
- Concrete surveys and repairs
- Early Contractor Involvement (ECI)
- Expansion joint repair and replacement
- Heavy duty propping
- Jacking design and installation
- Structural monitoring



Utilising in-house resources, we can deliver a comprehensive suite of structural strengthening services, including bridge deck waterproofing, joint repair, concrete repair, and carbon fibre reinforcement.

As a civil engineering specialist, we can provide technical advice to the management of complex structural repairs, as well as major bridge refurbishment projects.

We are regularly involved in the construction planning stages of projects, identifying and providing innovative solutions to complex structural problems during the development stages of a project. We conduct bridge surveys, including structural monitoring and bridge bearing inspections to gauge what works are needed, and how best to carry these out.





VolkerLaser can ensure the durability of your building for years to come, by using a comprehensive suite of structural strengthening techniques.

From modern developments of new build housing, to sensitive refurbishments of listed structures, we have the capability to waterproof, strengthen, and repair any building. We provide a comprehensive specialist service, using traditional skills, as well as cutting edge building technology.

Listed buildings can often succumb to steel frame corrosion, leading to failing parts, our team are able to apply appropriate cathodic protection systems, whilst repairing or replacing cracked and broken brickwork to match the existing structure. We have extensive experience working on Grade II listed buildings.



Held in high regard across the industry, our experienced team are able to provide professional advice to ensure customer satisfaction, working in line with our ethos of providing clients with nothing but the highest quality of stable and secure structures.



Experience and capability:

- Carbon fibre wrap
- Cathodic protection
- Concrete repairs
- Crack injection
- Liquid applied roofing
- Masonry repairs
- Temporary works design and installation
- Waterproofing





VolkerLaser's innovative engineering solutions can ensure the long-lasting structural stability of any transport link.

Working on roads, highways and motorways nationwide, our quality delivery makes us the contractor of choice when strengthening any key network link.

Our professional team is well-versed in minimising disruption to the public, and ensuring appropriate stakeholder liaison remains a priority throughout the project.



We are regularly involved in Early Contractor Involvement (ECI) works within various frameworks across the UK and are experienced in programming, supplier co-ordination, cost compilation and risk analysis, ahead of undertaking any major highways works.

As a result of this involvement, we understand the intricacies of delivering works to major highways.



**Experience and capability:**

- Bridge bearing inspection and installation
- Bridge bearing supply
- Concrete repairs
- Early Contractor Involvement (ECI)
- Expansion joint repair and replacement
- Hydrodemolition
- Waterproofing



VolkerLaser is able to combat corrosion to considerably extend the lifespan of marine structures.

Due to the corrosive nature of the sea, structural strengthening to ports, docks and piers is essential. Working alongside various port authorities, as well as government bodies such as the Environment Agency, we have amassed valuable experience within the marine sector.

Marine structures can often pose more challenges due to the site location, and the additional environmental considerations. We have experience in providing innovative solutions to ensure the works are carried out safely within the complex parameters of the project.



VolkerLaser are continuously developing bespoke solutions to ensure that the needs of our clients are met. Our experts go the extra mile to provide a quality service. As an industry leader, our Ryde Pier project was commended with a Structural Concrete Alliance award due to its innovative delivery within a tidal environment.



**Experience and capability:**

- Bespoke engineering solutions
- Cathodic protection
- Coatings and impregnations
- Cofferdams
- Concrete repairs
- Pier bearing replacement
- Structural monitoring and surveys
- Waterproofing





VolkerLaser is an award winning specialist contractor providing multi-layered solutions for multi-storey car parks.

From isolated repairs, to total refurbishment, our team of directly employed specialists offer a wide spectrum of services to improve, revitalise and protect car parks, including structural repairs, floor coatings, access enhancements, waterproofing and upgrading fire and security systems.



A lack of maintenance and general dilapidation often creates an unattractive and threatening environment for car park users. A feeling of insecurity encourages theft, vandalism, and ultimately results in a loss of income for the operator.

By using in-house capabilities, VolkerLaser can transform these car parks; creating a safe, clean, and respected environment, where customers will be happy to park their vehicles, improving revenues for the client.

### Experience and capability:

- Carbon fibre wrap
- Cathodic protection
- Coatings and impregnations
- Concrete repairs
- Crack injection
- Hydrodemolition
- Waterproofing





Accredited by RISQS, VolkerLaser can deliver key repairs and strengthening works across the rail sector, with extensive experience managing possessions alongside various stakeholders.



The maintenance of rail infrastructure is essential in order to ensure train travel across the UK remains as safe, and uninterrupted as possible.

Using valuable experience and expertise from other sectors, we have the capability to undertake sensitive refurbishments on prestigious rail sites. Our relentless focus on health and safety is paramount when working within the rail sector as there is an increased exposure to the travelling public and pedestrians whilst undertaking major works.

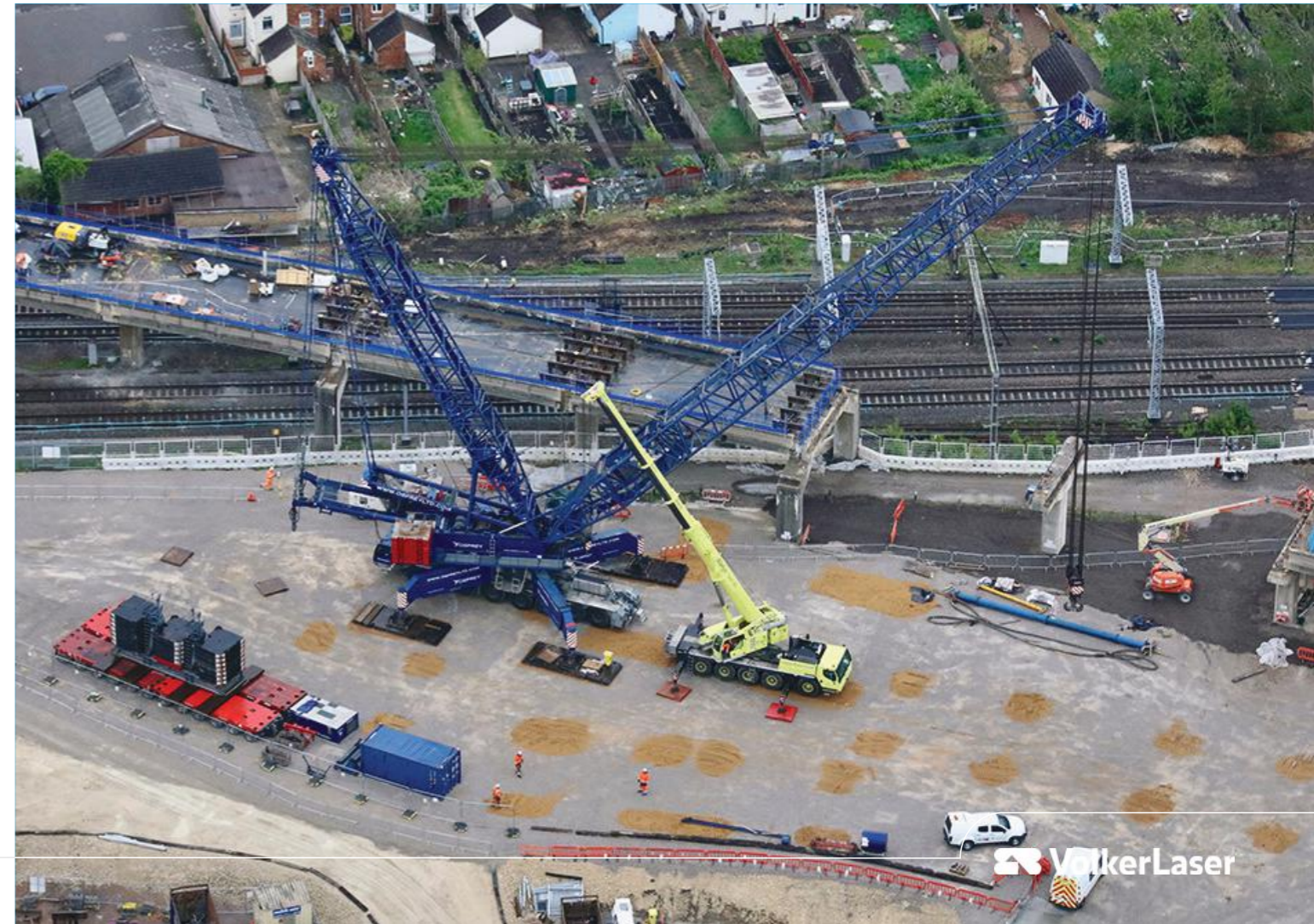
VolkerLaser is able to provide bespoke access solutions for rail bridge bearing replacement, or wheel timber replacement, using our innovative access systems, and 3D design capabilities.

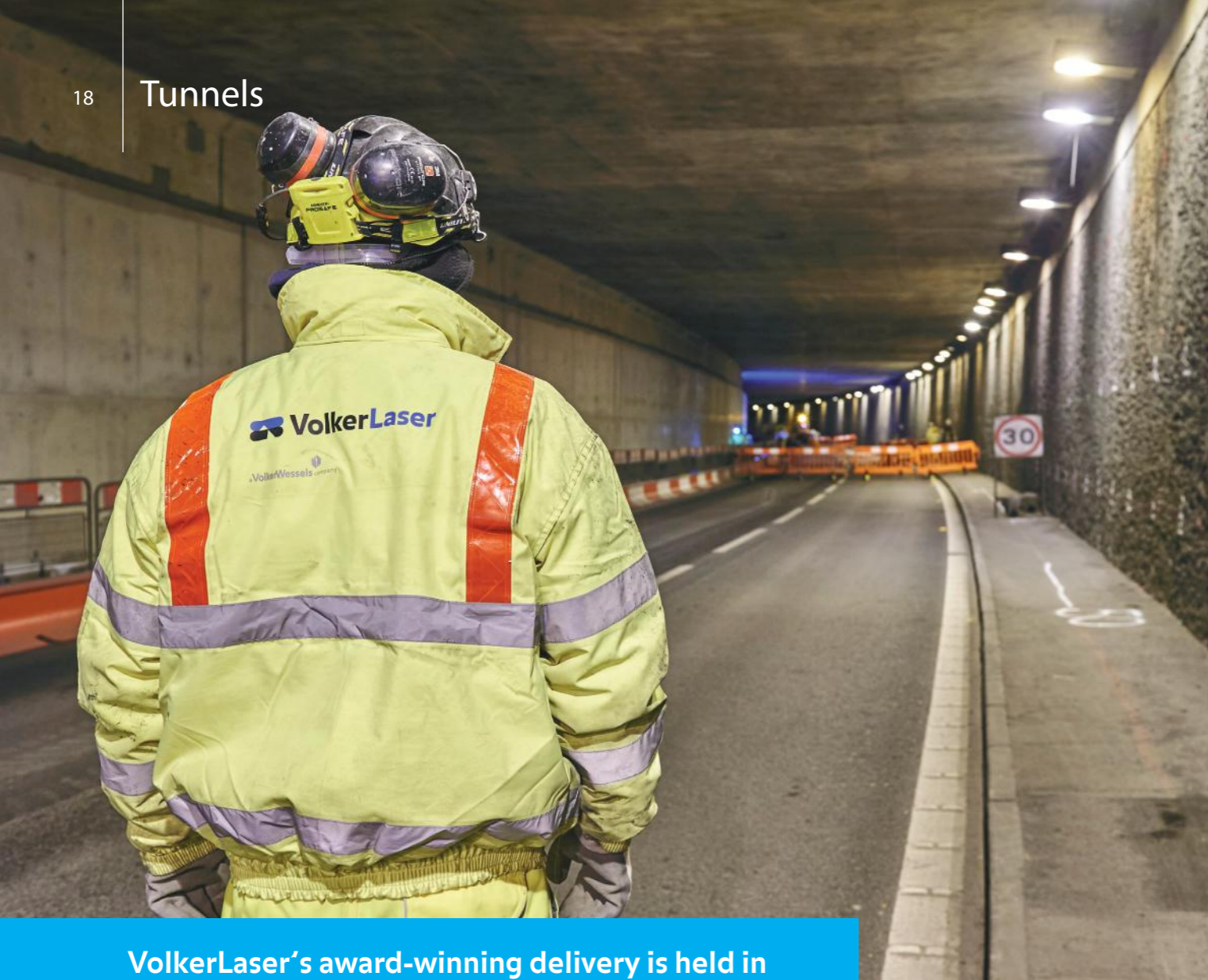
Working across the industry, VolkerLaser's vast client portfolio includes Network Rail, and London Underground.



Experience and capability:

- Bespoke access
- Cathodic protection
- Coatings and impregnations
- Concrete repairs
- Masonry repairs
- Rail bridge bearing replacement
- Stitching and repair of brickwork
- Waterproofing





**VolkerLaser's award-winning delivery is held in high regard within the tunnel sector. By using in house expertise and experience, we are able to bring strategically significant tunnels in line with safety standards.**

Often subject to heavy loads both above and throughout the structure, tunnel maintenance is essential to ensure the safety of all road users.

Tunnels tend to be an essential part of a city's roadways, seeing a huge amount of traffic on a daily basis, meaning traffic management is crucial and working at night is often a necessity.

We understand the complexities the tunnel environment brings; including working in constraints of space and limited light.



A key contract for VolkerLaser, in terms of efficient project management and logistical expertise, the Woodhouse Tunnel project saw us take home Project of the Year at the Construction News Specialist Awards.

**Experience and capability:**

- Cathodic protection
- Coatings and impregnations
- Concrete repairs
- Hydrodemolition
- Masonry repairs
- Stitching and repair of brickwork
- Temporary works design and installation



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