



Doka formwork and scaffolding to renovate Voest Bridge

Austrian Voest Bridge showcases Doka's strength as a single supplier for supporting essential renovation projects with versatile formworks and Ringlock scaffolding solutions

Amstetten, Austria | Mai 06th 2024 – Doka, a global leader in formwork and scaffolding, is adding value to renovation projects by enabling construction companies to intelligently apply its Ringlock scaffolding system to support renovation projects of all sizes. The recent repairs and refurbishment of the important Voest Bridge showcase how the modular scaffold system played a significant part in supporting the repairs of one of Austria's busiest road sections on the A7 highway.

When constructed in 1972, the bridge that spans the Danube was the longest bridge in Austria and the first cable-stayed bridge built in the country. With, on average, more than 100,000 motorists travelling along this section of the A7 Mühlkreis motorway each day, the bridge required maintenance to carry the constant stream of vehicles.

One element of the project required the construction company Strabag SE to support a 65-meter-high steel pylon without tension anchoring. Doka's solution enveloped the pylon with Ringlock scaffolding, providing a safe, secure working platform at all the levels that allowed for onsite maintenance of the supporting structure. The high degree of flexibility of Ringlock delivers facilitated the creation of an integrated stairway and connection options to enable the installation of a material lift. Ring-shaped compression struts supported the load, and thanks to the versatility of the proven modular system, the scaffolding was easily adapted to meet the needs of the floor plan. Site workers could operate safely knowing that the Deutsches Institut für Bautechnik (DIBt) had certified the scaffolding system. The streamlined services of Doka, working in collaboration with Pecan GmbH, the scaffolding contractor, contributed significantly to the smooth success of the project within the planned three-month timescale.

Winner's duo: Formwork and scaffolding from a single source

Doka has also played a vital role since the initial stages of the bridge renovation project, providing the formwork for the creation of the temporary bypass bridges taking traffic into Linz city centre, reducing disruption for the businesses operating in, residents living in, and visitors travelling to the city. For Strabag and scaffolding company Pecan, having a single point of contact for convenient, efficient, reliable scaffolding and formwork, streamlined operations. Doka enabled the retention of many existing components within the bridge structure, reducing the need for new construction and, hence, reducing costs and carbon emissions.

Partnering with Doka ensured that renovation could occur safely and seamlessly, adding value to the project and the construction industry's commitment to carbon reduction. According to the World Economic Forum, retrofitting and renovating buildings and structures can result in 50% to 75% less carbon emitted than building an entirely new structure. Doka is committed to reducing carbon emissions in the construction industry and is ramping up its support for renovation projects.



“The successful application of our Ringlock scaffold system to a renovation project as important as the Voest Bridge demonstrates our innovative spirit, which focuses on augmenting construction industry standards, improving safety and delivering products that reduce the industry’s carbon footprint,” says Robert Hauser, CEO of Doka. “We are proud to support renovation projects, as well as thoughtful construction of new structures.”

Decarbonising construction sites

Doka is committed to achieving net-zero emissions by 2040. By focusing on decarbonisation, the company has already calculated the carbon footprints for more than 7,000 of its products. Hauser says: “Doka strives to support a sustainable future through environmental transparency. In early 2024, we introduced carbon footprint data for our scaffolding products, marking another milestone alongside our formwork portfolio. We are proud to be the first in our industry to do so.” In this way, Doka offers transparent data on GHG emissions, empowering customers to make environmentally responsible purchasing decisions in renovation as well redevelopment projects.

“We believe that renovation projects will comprise a growing part of our business in Europe, and we look forward to working with construction companies to rejuvenate ancient buildings, revitalize existing structures and repair civil structures that connect communities, just like the Voest Bridge in Austria”, Hauser concludes.

In short:

Project: General refurbishment of Voest Bridge

Location: Linz, Austria

Scope of work: Maintenance work on the existing pylon

Project duration: 3 months

Completion: June 2023

Client for general refurbishment: ASFINAG

General contractor: Strabag SE

Scaffolding contractor: Pecan GmbH

Systems used: Ringlock modular scaffolding



Photos:

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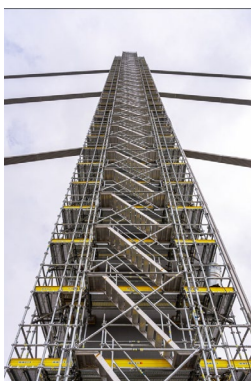
Robert Hauser, CEO Doka GmbH

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Ringlock was used to scaffold the 65-metre-high pylon of the Voest Bridge in Austria.

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An integrated stairway and connection options for a material lift without direct tension anchoring ensure maximum safety for the construction site team.

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Ringlock scaffolding system in use for the renovation of the cable-stayed bridge on the River Danube.
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About Doka:

Doka is a world leader in providing innovative formwork, solutions and services in all areas of construction. The company is also a global supplier of well-thought-out scaffolding solutions for a varied spectrum of applications. With more than 178 sales and logistics facilities in over 60 countries, Doka has a high-performing distribution network for advice, customer service and technical support on the spot and ensures that equipment is swiftly provided – no matter how big and complex the project. Doka employs 7,000 people worldwide and is a company of the Umdasch Group, which has stood for reliability, experience and trustworthiness for more than 150 years.

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