

Specialist Press Release

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A first in Liechtenstein: Bauer Spezialtiefbau successfully completes dam rehabilitation

Schaan, Liechtenstein – With its internationally operating subsidiaries, BAUER Spezialtiefbau GmbH is known as an expert in the field of specialist foundation engineering and global construction projects. Now a specialist foundation engineering project has been completed in the Principality of Liechtenstein for the first time – a premiere in the heart of Europe. For the project, BAUER Spezialtiefbau Schweiz AG was tasked with remedial measures to secure a dam in Schaan, Liechtenstein. Here, in the immediate vicinity of the capital Vaduz, the Rhine river forms a natural border with Switzerland.

As local site investigations determined that the dam body on the Rhine was in danger of leakage, a 370 mm wide cut-off wall was constructed as a safeguarding measure over a total length of 530 m using the mixed-in-place method up to a depth of 10 m. In addition, an intervention track with relief ditches was constructed at the dam base by the client, the Liechtenstein Office of Civil Defense. Because the project was implemented in a water protection area of categories S1 and S2 and in the immediate vicinity of a water pumping station, the underlying Rhine gravel had to be retained as a water-bearing layer. In the process, the depth of the wall was determined beforehand by consulting engineers to prevent the slurry used from penetrating into the water-bearing Rhine gravel. To protect the meadow on the slope – both on the land side and on the Rhine side – it was covered with geotextiles.

“We are very proud to be able to work in Liechtenstein for the first time,” explains Benjamin Martin, project manager at BAUER Spezialtiefbau Schweiz AG. “The work was successfully completed in March 2022 to the client’s full satisfaction.”

Photos: 2022-06_BAUER_Dam+rehabilitation+Liechtenstein...



(1) BAUER Spezialtiefbau Schweiz AG carried out its first project in Liechtenstein, a dam rehabilitation on the Rhine.



(2) As a safeguarding measure, a 530 m long and 10 m deep cut-off wall was constructed using the mixed-in-place method.

All images: © BAUER Group

About BAUER Spezialtiefbau Group

BAUER Spezialtiefbau GmbH, the original parent company of the BAUER Group, has been a major driving force in the development of specialist foundation engineering. It carries out all of the customary processes of foundation engineering, primarily for excavation pits, foundations, cut-off walls and ground improvements on a worldwide basis. In doing so, BAUER Spezialtiefbau GmbH works closely together with their over 50 subsidiaries and branches across the globe. Regional networks around the world allow for the quick and flexible application of machines, teams and expertise. Bauer Spezialtiefbau offers their customers individual, creative and economical specialist foundation engineering solutions for demanding construction projects, from planning through to execution. More at bst.bauer.de

About Bauer

The BAUER Group is a leading provider of services, equipment and products dealing with ground and groundwater. With over 110 subsidiaries, Bauer can rely on a worldwide network on all continents. The



Group's operations are divided into three forward-looking segments with high synergy potential: Construction, Equipment and Resources. Bauer profits enormously from the collaboration of its three business segments, enabling the Group to position itself as an innovative, highly specialized provider of products and services for demanding projects in specialist foundation engineering and related markets. Bauer therefore offers suitable solutions to the world's greatest challenges, such as urbanization, the growing infrastructure needs, the environment, as well as water, oil and gas. The BAUER Group was founded in 1790 and is based in Schrobenhausen, Bavaria. In 2021, it employed about 12,000 people in around 70 countries and achieved total Group revenues of EUR 1.5 billion. BAUER Aktiengesellschaft is listed in the Prime Standard of the German Stock Exchange. More information can be found at www.bauer.de. Follow us on [Facebook](#), [LinkedIn](#) and [YouTube!](#)