

## Specialist Press Release

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### **Bauer Spezialtiefbau involved in construction of the LVR building in Cologne-Deutz**

**Cologne, Germany** – After demolition of the existing building, a new administration building will be constructed on Otto square in Cologne’s Deutz district to house the central administration of the “Landschaftsverband Rheinland” association (LVR) on a total area of 7,357 m<sup>2</sup>. BAUER Spezialtiefbau GmbH was engaged by the LVR with construction of the excavation pit.

Work includes the construction of an excavation pit up to 8 m deep comprising a contiguous pile wall with wood and shotcrete paneling in the north as well as a secant pile wall in the west. In the east and south, the encompassment of the excavation pit is provided by existing walls of the underground garage. The retaining structure works are being carried out at the same time as demolition of the existing building.

The secant pile wall is being constructed on the temporarily supported ceilings of the basement floors. The piles have a diameter of 750 mm and 880 mm. “The tie back work, including walings for existing walls of the underground garage, is very labor-intensive. And archaeological digs in the course of excavation work in the northern area of the excavation are also anticipated,” says Bauer Project Manager Andreas Hertenberger. Further, the underground garage walls are underpinned with DSV bodies. In the southwest area of the excavation pit, pipe bracing with lengths of up to 30 m are installed. Bauer’s tasks also include the construction of wells and the dewatering system. For the latter, an approximately 500 m long drainage pipe to the Rhein river was installed that transports water at a rate of 4,800 m<sup>3</sup>/h.

A BAUER BG 24 H is in use as well as a KLEMM KR 704, KR 702 and a KR 806 rig for the anchor drilling work. Work began in early April this year and the completion of the entire new building, with a height of 69.5 m and 17 stories, 182 parking spaces for cars and 208 parking spaces for bicycles, is planned for August 2022.

**Image: 2021-10\_BAUER\_LVR house Cologne**



For the construction of the excavation pit, which is up to 8 m deep, three KLEMM rigs are being used in addition to a BAUER BG 24 H. © 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](http://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 2020, it employed about 11,000 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](http://www.bauer.de). Follow us on [Facebook](#), [LinkedIn](#) and [YouTube](#)!