

Press Release

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As if in fast motion: Bauer Resources constructed six geothermal probe fields for Bayreuth rehabilitation clinic

Bayreuth, Germany – The new rehabilitation clinic of the Deutschen Rentenversicherung Nordbayern in Bayreuth's Seulbitz district is setting new standards for sustainability. A key element of this construction project, along with renewable energy and environmentally friendly materials, is the architecture itself: The building's loose pavilion structure with a number of smaller divisions blends harmoniously into its surroundings. And it's here, right across from the Lohengrin Therme spa, that the Bauer Resources team installed a geothermal probe system for the ultra-modern rehabilitation clinic, so quickly it seemed to happen in fast motion.

128 geothermal probes in 8 weeks

The project, and therefore also the preparatory work, was launched in February 2024. Afterwards three drilling teams came in to execute a total of six geothermal probe fields. In the process, 128 drillings were carried out step by step and the boreholes were executed up to a depth of 80 m. Then the experienced team installed the double-U geothermal probes from GWE GmbH and injected the boreholes with backfill material. After the completion of drilling work, the pipelines were laid – a crucial step, since these lines will ultimately transport heat to the building. “As always, the utmost caution was essential. After all, this project involved a total of 8 km of pipelines. This work alone took an additional seven weeks,” reports Site Manager Stephan Mueller from BAUER Resources GmbH.

Strong team, rapid progress

Due to the strict schedule, everything had to proceed quickly on site. “But we are capable of managing challenging drilling work in record time,” explains Marcel Moesslang, Operations Manager at BAUER Resources GmbH. During the peak phase, a total of 15 colleagues were at work on the site: an impressive number for a geothermal heat project. At times, there were even three drilling teams working at the same time, each consisting of one equipment operator, two drilling specialists and a geothermal drilling rig from KLEMM Bohrtechnik GmbH. “This allowed us to save lots of time and ensured rapid progress,” explains the operations manager. Another trick for managing the time pressure: planning with painstaking detail and excellent site management. The team led by Marcel Moesslang had everything under control in the last three months. “The project went like clockwork,” remarks the operations manager.

A shining example

Finally, the geothermal heat specialists took care of the “finishing touches” including the connection lines. Works were concluded in late May, so everything is now in place for the construction of the rehabilitation clinic. Starting in 2027, this will offer space for 240 in-

patient and 60 partial in-patient occupancies and strives to be a shining example far beyond the region: as one of the most modern rehabilitation facilities in Germany. “Thanks to our experience and manpower, we were able to complete the project on time despite the strict schedule,” sums up Site Manager Stephan Mueller, who is already looking forward to his next project.

Images: pressebild-press-image-geothermie-bayreuth-bauer-resources...



(1) Bauer Resources constructs geothermal probe fields in record time for a new rehabilitation clinic in Bayreuth.



(2) Step by step, 128 geothermal probes were drilled up to 80 m deep.



(3) Three drilling teams worked on the site.

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About BAUER Resources Group

The regionally organized BAUER Resources GmbH is aligned to projects around the world with its subsidiaries in Germany, Africa, the Middle East and South America and has extensive expertise in the areas of drilling services and water wells, environmental services, constructed wetlands, mining and rehabilitation. With more than 30 years of experience, BAUER Resources GmbH's Bauer Umwelt business division is one of the leading specialists in site remediation, soil remediation and waste disposal, both in the domestic market and internationally. As an expert in pollution reduction, Bauer Umwelt offers a diverse range of services for all environmental issues. Other companies of the BAUER Resources Group are GERMAN WATER and ENERGY GROUP (GWE), SCHACHTBAU NORDHAUSEN GmbH and SPESA Spezialbau und Sanierung GmbH. More at <https://resources.bauer.de/en>.

About Bauer

The BAUER Group is a leading provider of services, equipment and products dealing with ground and groundwater. The Group can rely on a worldwide network on all continents. The Group's operations are divided into three forward-looking segments with high synergy potential: Geotechnical Solutions, 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. The BAUER Group was founded in 1790 and is based in Schrobenhausen, Bavaria. In 2023, it employed about 12,000 people and achieved total Group revenues of EUR 1.8 billion worldwide. More information can be found at <https://www.bauer.de/en>. Follow us on [Facebook](#), [LinkedIn](#), [Instagram](#) and [YouTube](#)!