

Press release

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When every meter counts: Tafelmeier achieves potentially record-breaking drilling depth with Bauer's expertise

- Dismantling and new building of drinking water well for Cham public utilities carried out by TTB Tafelmeier Tiefbrunnen-Bau GmbH
- Work relied on customized drilling tools, Kelly systems and assistance functions from BAUER Maschinen GmbH
- Highly cost-effective thanks to efficient and powerful equipment, customized drilling tools and comprehensive service

Cham, Germany – Water is one of the most valuable resources in modern times: reliable drinking water supply is the foundation for everyday life. To secure this supply for the future, the Stadtwerke Cham public utility commissioned the rehabilitation of an old existing well. For this project, the company TTB Tafelmeier Tiefbrunnen-Bau GmbH relied on state-of-the-art drilling equipment from BAUER Maschinen GmbH and customized solutions provided by Parts & Service. Despite tight spatial conditions and soil strata with varying levels of hardness, the project was concluded successfully – involving drilling depths up to a potentially record-breaking 160 m and extremely strict verticality requirements.

Dismantling and new building

The work involved dismantling an existing well and constructing a new, deeper well. Excellent technical and economic efficiency was achieved by combining a Bauer BG 42 drilling rig with a selection of Bauer equipment specially tailored for the project. The equipment used included a Kelly BK 210/470/5/110 with Kelly guide, a Kelly BK 210/470/5/90 and a Kelly BK 420/470/4/60 with extensions in different lengths. Alongside the Kelly systems, a KBF-K drilling bucket with conductor pipes specially designed by Bauer Parts & Service was also used. "This enabled us to develop a customized solution for the project," explains Lucas Tafelmeier, Managing Director at Tafelmeier Tiefbrunnen-Bau.

Individual solutions

The challenge: precise work in varying soil strata including rock, down to an unparalleled depth of 160 m. The decisive factor: the drilling bucket with guide casing designed specially by Bauer Parts & Service. This led to a significant improvement in verticality. Intelligent equipment control with features like B-Tronic with Kelly visualization, automatic crowd control, the Kelly drilling assistant, automatic torque adjustment or slack rope switch-off enabled the team to work efficiently and safely while also conserving resources.

Quality meets quantity

With the help of high-quality and robust components, drilling work was highly efficient and precise. Energy-efficient EEP motor management also contributed to a sustainable, resource-efficient workflow. “Thanks to special tools, we can achieve uncased deep borehole drilling in near vertical conditions well beyond 100 m – a huge advantage compared to conventional technology,” highlights Lucas Tafelmeier. “In my opinion, there’s no one better than Bauer in the current market for drilling rigs and drilling tools.”

Reaching the goal together

Apart from the technical performance of equipment and drilling tools, close cooperation was a decisive factor for Tafelmeier: “Bauer is genuinely interested in working together to develop solutions for special tasks. Our talks were always constructive, and we were on equal footing. Even in difficult situations, they help you as quickly as possible.” The stability and durability of the equipment and machinery, comprehensive service and individual site assistance made the project a success. Tafelmeier concludes: “Where other companies would throw in the towel, Bauer is just getting started.”

Go to video: <https://www.youtube.com/watch?v=fDnFtqtGATQ>

Images: [pressefotos-press-images-parts-service-trinkwasserbrunnen-tafelmeier-bauer-maschinen...](#)



(1) TTB Tafelmeier Tiefbrunnen-Bau GmbH relied on Bauer’s expertise for dismantling and building a new drinking water well in Cham.



(2) A specially developed KBF-K drilling bucket with guide casing was used for the project.



(3) Lucas Tafelmeier, Managing Director at Tafelmeier Tiefbrunnen-Bau, relied on high-performance Bauer equipment and customized drilling tools from Bauer Parts & Service.



(4) The particular challenge on this project: precise work in varying soil strata including rock, down to an unparalleled depth of 160 m.

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About BAUER Maschinen Group

For almost 60 years, equipment from Bauer has represented the highest performance and quality and constant innovation. The BAUER Maschinen Group is the world market leader in the development and manufacture of



specialist foundation engineering equipment. BAUER Maschinen GmbH, which is also the holding company for a number of subsidiaries, designs and builds large-diameter drilling rigs, duty-cycle cranes, trench cutters, grabs and vibrators as well as the related tooling at its plants in Schrobenhausen, Aresing and Edelshausen. The subsidiaries manufacture state-of-the-art mixing and separation equipment as well as rotary drive systems and equipment for drilling small-diameter boreholes and wells. The BAUER Maschinen Group also operates manufacturing facilities in the USA, China, Malaysia, Singapore and Turkey. A component supplier within the Group is Schachtbau Nordhausen. The company operates a global sales and service network. More at <https://equipment.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: 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 2024, it employed about 11,000 people and achieved total Group revenues of EUR 2.2 billion worldwide. More information can be found at <https://www.bauer.de/en>. Follow us on [Facebook](#), [LinkedIn](#), [Instagram](#) and [YouTube](#)!