

BAUER REVIEW

For Employees and Friends of the BAUER Group Companies

Nº 53 | 2023

PEOPLE WE COUNT ON

■ Geotechnical Solutions:
A passion for project
management

■ Equipment: A strong
network with many
faces

■ Resources: Deeply
committed to a green
future





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Whether excavation pits, brownfield remediation or underwater foundations, Bauer can execute even the most complex construction tasks from a single source thanks to its structure with the three segments of Geotechnical Solutions, Equipment and Resources.



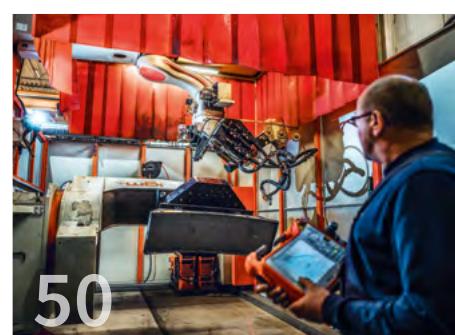
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At Bauer, employees are more than just resources: they are the heart and soul of our company. On the site or in the assembly, in sales or in the back office, they achieve great things as a team.



“It is important that we work together hand in hand to address not only the challenges of today's world, but also those of tomorrow.”

Peter Hingott · Executive Board member
BAUER Aktiengesellschaft

Foreword

Dear readers,

Due to the numerous economic upheavals over the past year, but also due to our own mistakes, 2023 brought very significant changes for our company, above all the transition in ownership from the Bauer family to the Doblinger family. Although changes of this magnitude are not easy, they offer us a major opportunity to create a new level of stability for the Group that would have been very difficult for us to establish from our own efforts. With this the capital provided by the Doblinger family, the Group was able to considerably reinforce itself again. Reducing our dependence on external financing, and having a long-term, sustainable anchor investor who is also highly interested in the company's strategic development, is a stroke of good fortune. This represents a high degree of commitment and provides us with security for the future, which would have been scarcely attainable through other channels.

The impact of these changes on our alignment and the Group structure, as well as how we are positioning ourselves for the future, can be found on pages 44/45 of this issue. One thing is certainly not going to change: Bauer will continue to be a mid-sized, family-oriented company that still pursues a very long-term, sustainable strategy and acts as a reliable partner for its customers and partners. All of these factors hinge on one source: the people at the company.

That's why we want to focus on the employees at Bauer in this BAUER Review. They ensure that we construct foundations for the future with our projects all around the world,

that our production network is not just good but outstanding, and that crucial resources are conserved in a sustainable manner. None of this would be possible without the know-how, passion and team spirit of our employees. Not to mention their loyalty: Every year we celebrate a number of employees who have spent 25, 40 or even 50 years at our company – in today's world, that's no longer something to take for granted.

But whether new recruits or experienced veterans, it is important that we work together hand in hand to address not only the challenges of today's world, but also those of tomorrow. We are equally concerned with trends like urban mobility and future-oriented innovations in equipment technology as we are with eliminating contaminants from the soil and groundwater.

In this BAUER Review, we provide you with information about these issues along with many other exciting topics. I hope you enjoy reading!



Yours sincerely,
Peter Hingott

Facts & Figures

SOME HIGHLIGHTS FROM
THE BAUER WORLD



During the 2022 Bauma in Munich, Bauer Maschinen received the **EuroTest Award** from the employer's liability insurance association for the construction sector (BG BAU) for the innovative Stability Plus assistance system.



120,000 t
every year

In January, BAUER Resources GmbH commissioned a new soil treatment center in Weilheim, Bavaria together with a partner. It can treat around **120,000 t** of non-hazardous and hazardous mineral waste per year.

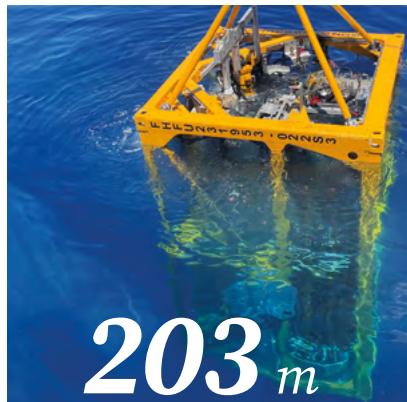
1st
Prize

The Deep Sea Sampling research project, which BAUER Maschinen GmbH is significantly involved in, received the **Bauma Innovation Award** in the Research category.



125
years

This year, Schachtbau Nordhausen celebrates its **125th anniversary**. This traditional company from Thuringia has been part of the BAUER Group since 1992.



203 m

In the Chinese sea, a new depth record was set in late 2022 with a Bauer MeBo 200 sea bed drilling rig: The crew on a research ship successfully drilled six boreholes at a water depth of approximately 1,800 m using the rig. New record drilling depth: **203 m**.



430,000 t

Large-scale soil replacement: The "Schwarze Pumpe" industrial park covers 720 ha. Over five years, Bauer Umwelt has replaced more than 286,000 t of contaminated soil at depths of up to 14 m and moved more than **430,000 t** of soil at this huge construction site.

50,000

From art and culture to science or research: The BAUER Foundation supports a wide variety of projects every year. This year, the foundation awarded a grant of **50,000 euros** for the construction of a new dirt park in Schrobenhausen.



Innovation for work on the track: Together with a partner, RTG Rammtechnik GmbH developed a **track-bound pile driver**. In the future, this equipment will make it possible to implement foundation types and depths that previously seemed unviable for the track.



At Bauma in Munich, the **500th Bauer cutter** was presented.



From 2020 to 2022, Prof. Thomas Bauer was President of the European Construction Industry Federation (FIEC). On May 11, he was granted a special honor: The current President Philip Cramton appointed him **Honorary President** of the Federation during the annual general meeting in Rome.



60 years

Double anniversary: Over the past 25 years, KLEMM Bohrtechnik GmbH has been the specialist within the BAUER Group for anchor drilling rigs and accessories. However, the company's history extends back to 1963 – Günter Klemm founded the company **60 years** ago. Happy Birthday!



Our project managers are passionate about specialist foundation engineering. They know: Team spirit and cohesion are essential on site.





Spreading passion

PROJECT MANAGER FOR SPECIALIST FOUNDATION ENGINEERING – A JOB FOR SOME, A MATTER OF THE HEART FOR OTHERS.

For more than 60 years now, Bauer has been shaping the development of specialist foundation engineering. How does that succeed? By working hand in hand. After all, we can only achieve great things by working together. With a great deal of know-how, decades of experience and team spirit above all, our employees work on sites around the world and create the foundation for unique construction projects. Veronica Stetter, Maninder Singh and Marina Andrade-Silva: They are all passionately dedicated to their profession and offer exciting insights into the life of a project manager.

When the heart beats for blue and yellow

Veronica Stetter has quite a unique relationship with Bauer – you could say she has a “family history”: Her father Dieter Stetter, civil engineer and former Managing Director of BAUER Maschinen GmbH, worked with Bauer for more than 40 years. “I was practically born blue and yellow,” says Veronica Stetter with a wink. So it was also clear to Veronica Stetter from an early age: I want to be a civil engineer.

During her studies, the 31-year-old completed an internship at Bauer and gained experience in specialist foundation engineering as part of the Hong Kong-Zhuhai-Macao Bridge Project. Then roughly six years ago, she started as a site manager in the Major Projects Operations department and since then has supervised specialist foundation engineering projects around the world, from Germany and England all the way to Malaysia and Bhutan. That kingdom on the eastern end of the Himalayas was also the last project site (so far) she was deployed to: Punatsangchhu II. The task for Bauer: Stabilization measures for a hydroelectric power plant. “An exciting time that I will never forget,” she recalls. As a project manager, you have to be a “mom who takes care of everything”. Apart from her daily tasks such as planning, coordination, procurement or contact with customers, she was also the first point of contact for colleagues on the site, with all their concerns and emergencies. “The site crew became a second family to me – in the end, you spend a lot of time together over the course of months. A strong sense of team spirit and solidarity is required above all, since any project is only as successful as its team,” Veronica Stetter remarks with conviction.



Join Veronica Stetter on a trip to Bhutan:
In the video (only available in German),
she offers exciting insights into the
everyday life of a project manager.

Watch it now!



But the job also involved certain challenges, which meant always keeping a cool head. The circumstances and above all logistics in the Himalayas were anything but business as usual. And then the pandemic arrived on top of that. "All these factors made our planning considerably more difficult. But I was deeply impressed with the outstanding performance of the Bauer team, and particularly the respectful interactions within the team. I was treated with a great deal of respect as a woman in construction," reports the civil engineer. Veronica Stetter currently works as a project manager in the area of digitalization at Bauer Spezialtiefbau. As much as she loves life on site and being away from home, Veronica was also eager to try something new. Her conclusion: "My new task is the perfect combination of office and site work for me."

Exceeding yourself with passion

Like Veronica Stetter, Maninder Singh also developed his passion for construction sites early on, since his father also worked with Bauer for many years. "It was clear to me that I wanted to become a civil engineer," remarks the 35-year-old. Maninder Singh comes from a small village in the state of Punjab, India. After his studies, he headed out into the wide world: At Bauer, he completed a dual master program in the area of construction technology and management. During the eleven

years that Maninder Singh has now been working for Bauer, he has passed through the positions from junior engineer all the way to project manager. "In this profession, things never get boring. On the contrary: I am very excited to learn new things and gain experience."

As a project manager, he is not only familiar with countless construction methods and specialist foundation engineering techniques, he also knows what matters most for a project apart from planning and coordination: Teamwork. "Every single person on the site contributes to its success. We can only achieve great things together. And if we're not sure how to proceed, we can always rely on assistance from the head office in Schrobenhausen."

Maninder Singh is a member of the Young Professionals Worldwide Group at Bauer Spezialtiefbau: Employees from around the world meet regularly to exchange their knowledge and ideas and learn from one another. Most recently, he was the responsible project manager for specialist foundation engineering measures (including injection work and soil improvement measures) during the expansion of the airport in Abu Dhabi. One difficulty was delivering the required materials from Germany and Singapore to Abu Dhabi when they were needed. But for an expert like Maninder Singh, that was no problem. "Growing personally through experience and challenging projects – that's what I love most about my career," he explains enthusiastically.

Traveling around the world

Going around the world for your work? No problem for Marina Andrade-Silva. The 37-year-old with French and Portuguese roots completed a master's degree in geotechnical engineering after her bachelor's degree in physics, chemistry and geology, then started with Bauer six years ago. "At first, I didn't want to be a project manager," she says with a grin. But things turned out differently, as they so often do. She has been working for several years as a project manager in the Major Projects Operations department – this is no longer just a job for her, but a true passion that she greatly enjoys, and through which she has met many people from different cultures. Marina Andrade-Silva has already worked for multiple international



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*I was born blue and yellow,
and I am proud to be part of
the Bauer team.”*

Veronica Stetter · Project Manager for Digitalization
BAUER Spezialtiefbau GmbH

subsidiaries of Bauer Spezialtiefbau, e.g. in Indonesia, in the United Kingdom, in Sweden. Now she is working in the USA. After two years at the Herbert Hoover Dike in Florida, where Bauer was commissioned with extensive dam rehabilitation measures, she has moved on to California. “As a project manager, you are responsible for everything. You take care of financial and economical matters, contracts with clients, quality control, planning and observing of budgets, as well as production and documentation,” reports Marina Andrade-Silva. Like Veronica Stetter and Maninder Singh, she also emphasizes: “The most important thing is always working together as a team. We can only master challenges and successfully complete a project if we pull together.”

Since 2022, the engineer is managing the Natomas Reach A. project in Sacramento. For this project, Bauer was commissioned to install a 45-m-deep and 4-km-long cut-off wall as flood protection. This is a large project with many challenges, but Marina Andrade-Silva is embracing them with confidence: “I can always rely on my team.” Who knows where her work as a project manager will take her next.



Managing projects around the world is Marina Andrade-Silva’s thing. Day in, day out, with a strong team spirit.



Excelling and growing through experience and challenging projects – that's what Maninder Singh loves most about his career as a project manager.



*The people, their expertise and commitment are the heart
and soul of the Bauer production network.*



A strong network with many faces

Efficiency, logistics, schedules – these are the sober facts that generally determine the direction of production. But is that really all that matters? Of course not. An extraordinary production network goes well above and beyond this. After all, it would be impossible to achieve something not just good but truly outstanding without the people who work together towards that goal. "Our employees are the soul of our network. They make each of our products something special," says Wolfgang Rauscher, Managing Director of BAUER Maschinen GmbH and Head of Production worldwide.

An extraordinary production network, like the network Bauer maintains, knows no geographical limits. BAUER Maschinen GmbH has production locations in Germany, China, Malaysia, the Americas, Italy, Turkey and India. People from a range of cultures, countries and continents come together in a diverse and dynamic community. And just like with any community, communication is everything.

WHAT MAKES A NETWORK NOT JUST GOOD, BUT EXTRAORDINARY? THE ANSWER IS VERY SIMPLE: THE PEOPLE.

Knowledge transfer is the key

"Exchanging knowledge is just as important as establishing processes and standards that are uniform worldwide," emphasizes Christian Denk. He is part of Wolfgang Rauscher's team and manages the Bauer Maschinen plant in Aresing. In addition, this year he took on the responsibilities of a Global Operations Manager. As former Head of Manufacturing Processes, his passion continues to be focused on manufacturing processes and process transparency. "With our Bauer production system, we have laid foundations together that apply worldwide in all our plants and branch offices," he explains. "We have to further develop this system using the ideas and suggestions from all our locations around the world. Part of my responsibility is to further expand knowledge transfer within and between the individual operating sites."

In Christian Denk's opinion, this cannot be accomplished behind closed doors. Instead, it has to take place on site with employees and supervisors in production. To this end, starting with weekly shop floor meetings in the Aresing and

*What matters most:
Passion, team-
work, trust and
continuous dialog.*



Global Operations Manager Christian Denk during the weekly shopfloor meeting in the Aresing plant

Edelshausen plants near Schrobenhausen all the way to annual international Plant Manager meetings, joint discussions are carried out in a wide range of formats to address issues, solutions and process improvements in the manufacturing divisions. "The only way to fully optimize our potential and remain competitive at all our locations is by maintaining continuous dialog," summarizes Christian Denk.

Always in contact

Siegfried Jeske is also in constant dialog with colleagues as well as vendors and suppliers around the globe. After two years at the welding facility in Aresing, the master craftsman in metal construc-

tion transitioned to quality assurance in 2008. This was followed by longer deployments in the Far East, including four years in China and Malaysia, as well as other countries in Europe. "Over all these years, a global network has been established between production and quality management that continues to exist to this day," reports Siegfried Jeske. But here as well, the network sometimes extends beyond mere working relationships: "True friendships have resulted in some places."

In early 2023, Siegfried Jeske joined the Production department as an expert in production processes and quality – though this has scarcely changed his

travel schedule. He still travels internationally for more than half of the year – "There's something a bit crazy about it for sure," he remarks with a wink. He is responsible for a variety of tasks: for example, auditing suppliers and products, carrying out welding work at the workshop, producing drawings or instructing colleagues in manufacturing technology. "I see myself as a caretaker," summarizes Jeske.

And the fact that he can also "take care" from his desk at home to assist a colleague or supplier located in a different country or on the other side of the globe has been demonstrated particularly over the last few years during the pandemic. "This is possible thanks to the use of data glasses," explains Siegfried Jeske. While the lenses in conventional glasses are used to correct a visual weakness, people use data glasses to look at a display that is usually near their eyes. Depending on the model, the glasses can be accessed by smartphone or computer – which is exactly what Siegfried Jeske does. This allows him to see through the eyes of the person on site and give them instructions accordingly. "This is a huge help for me during my work," says Jeske, but acknowledges: "Technology like this can't replace personal contact. Even if you just meet in person for a few hours, it makes things so much easier in your daily routine."



Whether directly on site or remote: Siegfried Jeske takes care of production processes and quality for Bauer products worldwide.

Experience pays off

Jakob Härtl can only agree with this sentiment. Or as he puts it: "You can't make something out of nothing." Jakob

Härtl is a real veteran at Bauer. He is familiar with the majority of the equipment and accordingly understands the production processes like the back of his hand. That's no surprise, since he started his training as a machinist at Bauer 46 years ago – the first drilling rig, the BG 7, had arrived on the market the year before. This was followed by stints as a group leader in Repairs and the former Assembly 2 department. After passing his master craftsman examination, Jakob Härtl worked briefly as a skilled worker, then as a deputy master in Assembly 1 and finally as a master in Assembly 3, before becoming Production Manager at the Schröbenhausen plant and overseeing production on site in China at the same time.

Starting in 1998 – the first Bauer machine was assembled in Shanghai that year – his career went international: The all-round talent supervised international production, helped to set up the assembly facilities in Tianjin starting in 2004 and was substantially involved with installing the first manufacturing line there. Then in 2008, he was involved in establishing the machinery plant in Conroe, USA. For most of the year, Jakob Härtl – like Siegfried Jeske – travels around the world, predominantly in China, where Bauer maintains its second-largest production facility after Germany.

Uniform standards for top quality

At the Tianjin plant, five different drilling rig types are manufactured along with BCS cutter systems and two grab carrier models. "From this location, we also supply the entire Asian market and Australia with spare parts," reports Jakob Härtl. He sees himself as a link between the head office in Schröbenhausen and the production facilities in China and is involved in identifying local suppliers and equipment planning, arranging or optimizing workshops, organizing the sales and operations meeting that is held every six weeks, and is responsible for compliance and implementation of the Bauer production system standards for the entire Asian region. "These standards are uniform worldwide. In this way, our customers can be sure that they are always obtaining top quality with any Bauer equipment – regardless of where it was produced," emphasizes Jakob Härtl. "High quality plus the fact that Bauer has service locations worldwide and outstanding parts availability thanks to the spare parts hubs are our biggest bonus points in my opinion. And our customers value this as well."

Christian Denk, Siegfried Jeske and Jakob Härtl are just three of the numerous members of Bauer's worldwide network which consists of many different people. They exemplify of what is most important: Passion, teamwork, trust and continuous dialog. "Whether in assembly or quality assurance, in design,

materials procurement or logistics, every individual in this network is important," says Wolfgang Rauscher. "Our employees not only do their best, they also give a piece of themselves in each of our products. I am proud to be part of this network, in which we learn from one another and grow together every day."



Jakob Härtl – a real all-round talent with his 46 years of professional experience – sees himself as a link between the headquarters in Schröbenhausen and production in China.

“

Our employees not only do their best, they also give a piece of themselves in each of our products.”

Wolfgang Rauscher · Managing Director
BAUER Maschinen GmbH



*Working together, our employees are committed
heart and soul to ensuring a green future.*





Working with a green heart

We protect and conserve resources – in everything we do. And we do this in a highly unique way. Hardly any company brings together such a large and varied community of talented professionals: from site managers for brownfield remediation to mining technicians all the way to equipment operators in the field of geothermal heat. Day after day, we strive for a better world. Our goal is to ensure a sustainable future. And we do our work in places most people don't even see. But no challenge is too great for us, and no project too small. After all, we are passionate about what we do.

At home in nature

Friedrich Leifheit lives his life outdoors – both in his private life and in his professional career. As a passionate hiker, he spends his free time in natural settings, yet also works as a trained geotechnical engineer. "Due to my strong connection with nature, the environment has always been close to my heart. Whether at the beginning of my career at Schachtbau Nordhausen or since my transfer to Bauer Resources in 2015, in my job I'm able to make a difference every day," he says. And it is precisely here, on unusual projects, where the experienced construction manager can

WHAT OUR TALENTS HAVE IN COMMON: A PASSION FOR THEIR CAREERS AND A LOVE OF THE ENVIRONMENT.

bring all his expertise to bear time and again. One such project is the rehabilitation of the former tank farm North at the government airport in Berlin-Schönefeld, where the scale and circumstances are anything but business as usual. "There we're dealing with dismantling six 375 m³ steel tanks, among other tasks," explains Friedrich Leifheit. In addition, ongoing flight operation around the site and the strict safety precautions are more than just challenging. As a result, all work to be carried out, equipment used and employees involved has to be registered multiple weeks in advance. "Good planning and cautious management are of the essence," emphasizes the site manager. And even though everything doesn't always go according to plan, he keeps a cool head – even in delicate situations. Ultimately, it is precisely this variety that makes the job so exciting, explains Friedrich Leifheit: "Every day is different, every project is different – especially in rehabilitation. You really never know what to expect on site. You always have to stay flexible, have a Plan B, C, D ready, constantly organize and optimize. And it's best not to hesitate for long, but simply do it."

This attitude and years of training with his first Operations Manager Dirk Sinzig have brought him far. Especially where he now feels very comfortable: as a site manager in brownfield remediation. "I enjoy supervising a project and seeing the comparison at the end: before and after rehabilitation. That's quite impressive."

A passion for mining

Roof? Ladder? Seam? These mining expressions are unknown to many people, but Vincent Knorr has been familiar with them since his childhood. After all his, passion for mining was practically given to him in the cradle. "My grandfather worked in mining and I was fascinated by his stories about his work since I was a little boy." This was why in 2012 he decided to make his dream come true. So he began a career as a mining technician (a profession formerly known as cutter), at Schachtbau Nordhausen. "It was important to me not just to pursue any job. Being a cutter is really something quite special," emphasizes the young mining technician with a smile. His daily commute underground is equally special – at least for the non-miners among us. For example, during his current project in the Saale potassium mine, he travels in a 0.8 m³ bucket down to a final depth of -710 m. At the bottom, it is like being in a tunnel: the shaft is well illuminated and the temperature is comfortable. When asked whether he sometimes feels uneasy about working hundreds of meters below ground level, the 27-year-old replies confidently: "Not at all. You either love this job or you leave it. Everyone working here likes their work. I am definitely a miner heart and soul. With everything that entails."

“

*Everyone working here
likes their work.
I am definitely a miner
heart and soul.”*

Vincent Knorr · Mining Technician
SCHACHTBAU NORDHAUSEN GmbH



When a project is anything but typical, Friedrich Leifheit is the man for challenging situations. Watch the video portrait (only available in German)!



And that's clear to see: Speaking with Vincent Knorr makes you want to get started as a mining technician yourself. After all, from the very first second it's evident that he has lots of fun with his work: "I am able to participate in lots of different projects, and my responsibilities are really varied. This includes drilling holes, blasting rock, excavating materials and creating cavities – and also handling mining tools. I can't imagine anything more exciting." The most important thing? Safety first! The

young cutter is concerned with safety practically all the time. More precisely, he deals with long-term safeguarding of shafts and sustainably secures a long tradition. "It makes me proud to contribute to environmental protection with my work – and particularly to continue the mining tradition. In my family. In Thuringia."

Natural talent

When Stefan Baciu starts talking about his experiences as a drilling rig operator in water well construction and geothermal heat, he reveals a world of details to an eager listener. Over the past 40 years, the native of Romania has completed a variety of projects around the world: from Jordan to Libya, Kyrgyzstan, Egypt, Bhutan and Norway. During his various posts he worked at Bauer again and again. For about months now, he has been enriching the geothermal team at Bauer Resources in a remarkable way. The experienced drilling rig operator is a truly exceptional talent when it comes to handling drilling rigs and methods. Regardless of whether KLEMM or Prakla equipment, horizontal or vertical drilling – he can manage everything almost perfectly.

*In all sorts of ways,
we move the world of today
and tomorrow. How?
By protecting and
conserving resources.*



Vincent Knorr (left) has been fascinated with mining since childhood.

And he was able to prove this recently on a site in Schrobenhausen. Without hesitating, he used a brand-new KLEMM KR 805-3GW to construct roughly 20 boreholes for an enormous geothermal probe system. "Operating the new machine didn't pose any difficulties for me and the site itself was an absolute luxury: Tons of space and easy soil conditions," explains the drilling rig operator. But Stefan Baciu knows from experience that the reality is different on many projects:

"Tight spaces, difficult soil conditions and unanticipated entry of water are often on the agenda." What does it take then? A quick hand, the right drilling tool and technical skill. And the most important requirement: an experienced and tight-knit team. "I can rely on my team entirely. That's why my work is also incredibly enjoyable," emphasizes Stefan Baciu. And there's good reason for that. The 54-year-old helps his colleagues wherever he can and teaches them all sorts of tricks and tips – this

strengthens everybody's sense of solidarity and trust in the team. At the end of the day, it all pays off. With every challenge, the team grows and develops further. Even more so when you know what you're doing it all for: a sustainable heat supply.



For Stefan Baciu (left), a reliable team is essential.

Worldwide

■ Geotechnical Solutions around the globe



Saudi Arabia The megacity of NEOM is currently one of the largest construction projects in the world. For the subproject The Line, Bauer installed large piles with diameters up to 2,500 mm at a depth of roughly 70 m along several construction sections.



Sweden Approximately 400 km north of Stockholm, Bauer carried out underwater soil improvement work using the Single Column Mixing (SCM) method.

Worldwide



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6



1 | Egypt The harbor of Ain El-Sokhna by the Red Sea is being expanded. For a new quay wall, Bauer constructed roughly 99,000 m² of cut-off wall up to a depth of 33 m using four cutters.

2 | Saudi Arabia At the Qidiyya Six Flags amusement park in Riad, the world's longest, tallest and fastest roller coaster is under construction. Bauer drilled the piles required for this project using several BG units.

3 | UAE For a 25-story building with 175 residential units in Abu Dhabi, Bauer constructed 197 linear meters of diaphragm wall as well as 179 foundation piles.

4 | Qatar In Doha, a new terminal is being constructed within a wastewater pumping station. Bauer was commissioned to install 94 piles and 390 anchors (distributed in four layers).

5 | Canada Using the continuous flight auger drilling method, Bauer drilled 200 foundation piles for the new laboratory of a biotechnology company in Vancouver.

6 | USA A 46-story residential and office building is under construction in Saint Petersburg, Florida. Using two BG units, Bauer drilled 90 foundation piles with various diameters up to a depth of approximately 50 m.

7 | Philippines The Malolos-Clark Railway Project CP N-04 is part of the planned North-South Commuter Railway Project which extends over 163 km. Bauer Foundation Philippines carried out sheet pile wall work here.

8 | India In the metropolis of Ranchi, Bauer installed piles with a diameter ranging from 1,200 mm to 2,000 mm for a four-lane elevated subway section.



9 | Dominican Republic Bauer constructed a diaphragm wall on the Monte Grande dam to protect the base of the dam against erosion on the overflow section. In 2020, Bauer had installed a 1,350-m-long cut-off wall beneath the actual dam foundation.

Europe



1 | Netherlands At Paasheuvelweg in Amsterdam, Bauer installed GEWI piles for a residential and office building with a two-story parking garage.

2 | France Using the BAUER Dive Drill CU40, offshore bore holes were constructed up to 47 m deep with a diameter of 3 m.

3 | Denmark Bauer used two drilling rigs to build a circular shaft composed of secant piles in Frederiksberg. The piles had a diameter of 1,180 mm and were installed up to a depth of 15 m.



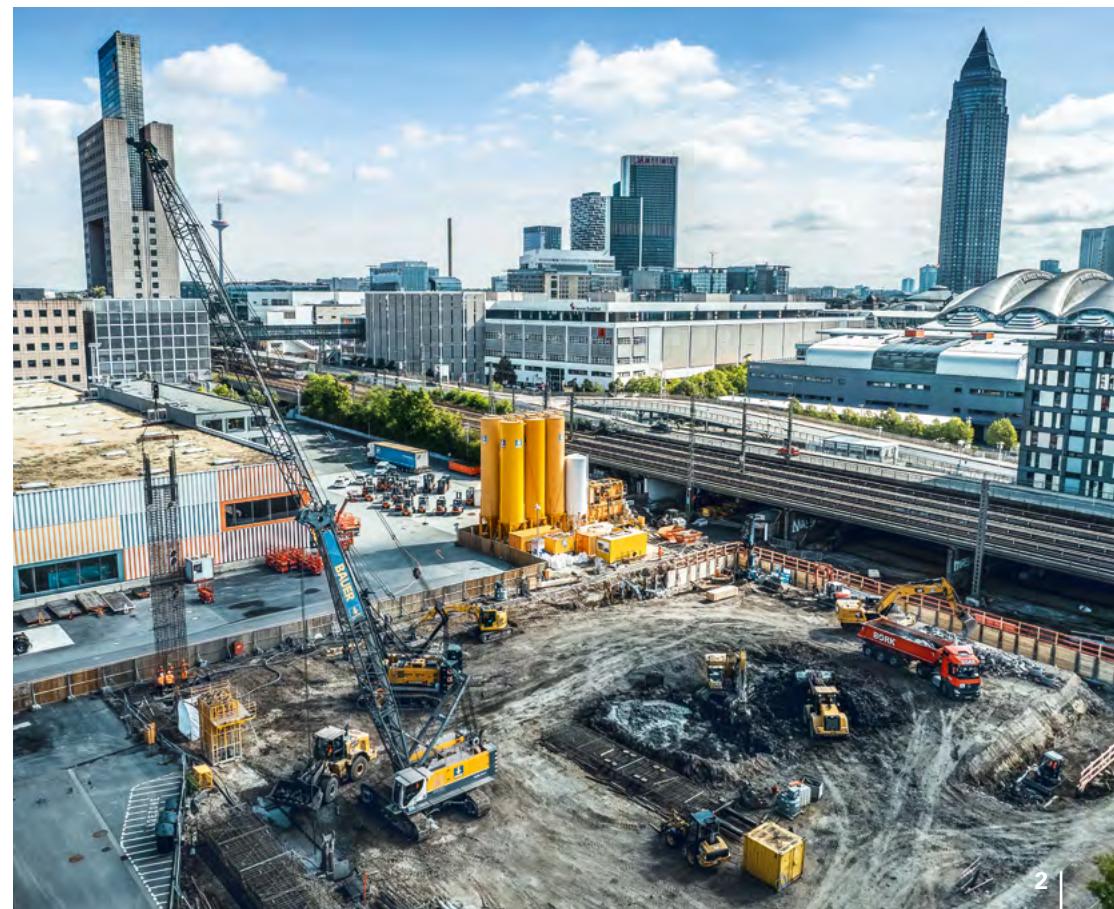
4 | Hungary In the heart of Budapest, the Zugló City Centre is taking shape. Bauer carried out the necessary cut-off wall, anchor and pile drilling work for a office and residential building.

5 | Austria To the north of Vienna, the expansion of wind energy is progressing rapidly. Bauer installed 952 piles for 18 wind turbines. A BG 45 and a BG 40 were used.

6 | Switzerland In Geneva, Bauer assisted with the specialist foundation engineering work for the new head office of a private bank. Apart from barrette foundations up to a depth of 75 m, diaphragm wall sections were also installed for a 18 m deep excavation pit.

7 | Slovakia For the second phase of the Klingerka project, Bauer is executing 16,680 m² Mixed-in-Place retaining wall with anchors to secure an excavation pit in Bratislava.

Germany



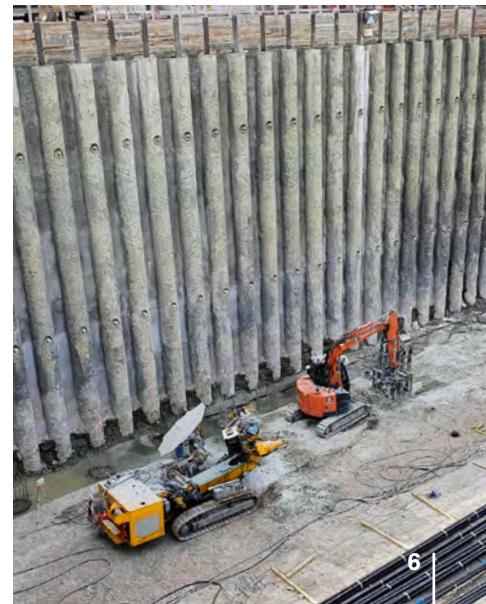
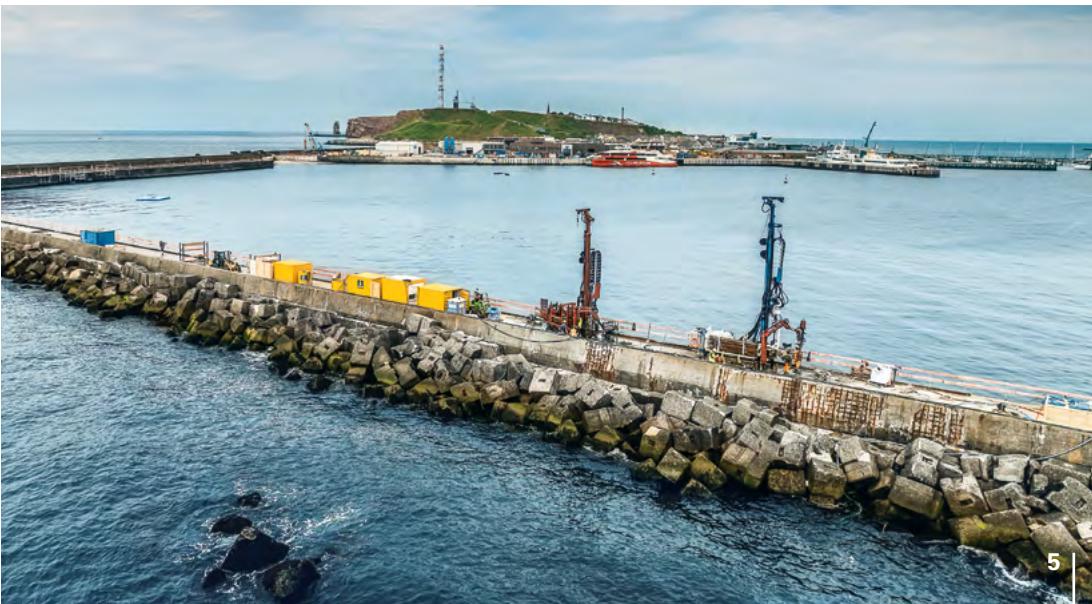
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1 | Munich The Heidpark residential project is underway in the north of the Bavarian capital. For an excavation pit, Bauer constructed MIP walls to a depth of 19 m. The tie-back was realized with 450 anchors.

2 | Frankfurt am Main In addition to foundation piles, a diaphragm wall was also installed at the South entrance of the exhibition grounds, which forms the basis for the construction of a 123-m-tall skyscraper with a four-story underground garage.

3 | Hamburg In the Süderelbe River, Bauer carried out the drilling work for two ship impact piles in front of the new Kattwykbrücke bridge using a BG 39 on a pontoon. The steel pipes had a diameter of 2 m and a length of approx. 34 m.

4 | Stuttgart As part of the S21 project, Bauer installed 560 piles with diameters up to 1,000 mm for the foundation of an overhead line.

5 | Helgoland Injection work with a sea view: On the southern pier of the harbor, safeguarding measures were carried out over a length of approx. 70 m.

6 | Jena The foundation work for a new high-tech site included installing 1,822 piles with diameters from 750 mm to 1,180 mm down to a depth of 33 m, along with 275 micropiles up to a depth of 23 m.

7 | Leipzig For a new exhibition hall, Bauer was commissioned to construct a 3,550-m-long pile wall. The scope of services also included micropiles, earthworks and the dewatering system.

Trend

Geotechnical Solutions



Currently, the 25-km-long Phase 1 of the Metro Manila Subway project is being executed. Bauer Foundations Philippines was engaged to construct diaphragm walls and retaining walls for six of the nine stations.

Urban Mobility: How specialist foundation engineering moves people

Urban mobility is one of the central topics of modern society. Given the increasing percentage of the population living in urban areas and the traffic problems associated with this shift, cities around the world are faced with the challenge of finding sustainable and efficient solutions for transporting people and freight. "Designing urban mobility to be viable in the future requires not only the integration of different modes of transport and the promotion of innovative technologies, but especially infrastructure expansion," remarks Frank Haehnig, CEO of BAUER Spezialtiefbau GmbH. "As specialist foundation engineers, our services lay the foundation for this expansion in the truest sense of the word." One of the key focal points for reconciling the growing demands of urban residents in terms of mobility, quality of life and sustainability is the expansion of the railway network. Before such projects can proceed, extensive specialist foundation engineering work is sometimes necessary. "And this is where we come into play," continues Frank Haehnig.

Together with its subsidiaries, Bauer Spezialtiefbau is involved in numerous subway projects in major cities around the world. In Panama, for example, construction work on the 34-km-long Line 3 of the subway has been underway since 2021. This line connects the Panama Oeste province with the Panama province and when completed, will cut the average travel time in half, from 90 to 45 minutes. For the new subway line in Panama City, Bauer Panama installed roughly 450 piles of varying diameters as well as diaphragm walls for entire stations. Operation of the monorail route is planned to begin in mid-2025, benefiting more than 500,000 residents.

In the Indian metropolis of Chennai, subway expansion work is also in full

THE CITIES OF TOMORROW NEED SMART MOBILITY CONCEPTS. WITHOUT SPECIALIST FOUNDATION ENGINEERING, THIS WOULD NOT BE POSSIBLE.

swing. For Phase 2 of the major project at the Chetpet subway station, Bauer India carried out the necessary diaphragm wall work: 15,100 sm² of diaphragm wall in total up to a depth of 35 m, and with very low tolerance during the trench excavation. During this project, the subsoil composition of sand, silt, stiff clay and rock proved extremely demanding. Another challenge was logistics. Since the new metro station is located directly in the urban area, the work needed to be implemented in a very confined space. Extreme caution and perfect organization were required. This was ensured thanks to the BAUER Construction Process (BCP).

The list of projects in which Bauer Spezialtiefbau is involved could be expanded to include a number of major cities, starting with Toronto and Santo Domingo to London, Munich, Vienna and Cairo all the way to Patna, Bangkok, Kuala Lumpur, Singapore, Manila and Jakarta. What do all these infrastructure measures have in common? They enable effective mobility and offer sustainable concepts in urban areas. At the same time, they improve the quality of life for residents. And above all, they accomplish one thing: They move people.



In the Indian metropolis of Chennai, Bauer is involved in subway expansion work. More than 15,000 m² of diaphragm wall were installed for the Chetpet Metro Station.

Worldwide

: Equipment in customer operations



Israel In Tel Aviv, Phi Engineering and Construction Ltd installed foundation piles for a new apartment building with a total of ten stories using a BAUER BG 28 H including Twin Rotary Head equipment.



Great Britain Cementation Skanska and BAUER Maschinen GmbH jointly brought eBG 33, the first large-scale electric rotary drilling rig, into operation in London for the High Speed 2 (HS2) infrastructure project. This significantly reduced CO₂ and noise emissions.

1 | Canada Sheet pile walls had to be built during the construction of a pipeline in Valemount, British Columbia. For this project, our customer Ledcor Foundations used an RG 19 T and RG 21 T from RTG Rammtechnik GmbH.

2 | USA In the borough of Brooklyn, New York, our customer ECD NY Inc. used an RG 27 S from RTG Rammtechnik GmbH to construct piles with a diameter of 620 mm with the front-of-wall (FoW) method.

3 | Norway Using a BG 36 V equipped with a rock drilling and pulling assistant, Keller Geoteknikk As carried out drilling work near Oslo.

4 | Poland In Wolin by the Baltic Sea, a bridge is under construction over the Dzwina River. With a BG 24 H, Polbud-Pomorze installed more than 500 piles with a diameter of 800 mm for this project using the continuous flight auger drilling method.

5 | Slovakia Our customer Ohla Zs a.s. carried out slope stabilization work along a highway section in Ruzomberok. A BG 28 H was used to construct a three-layer pile wall (drilling diameter: 1,300 mm).

6 | Germany The company Ed. Züblin AG carried out compacting work on dredged soil in the Rostock Port using an RG 14 T and an RG 16 T.

7 | Italy In the future, a bypass road will relieve traffic on the Brenner highway. A KLEMM KR 801-3GK is being used to safeguard supporting walls on a partial section (Vahrn bypass).



8 | Switzerland The company Marti AG executed diaphragm wall work for the new construction of the laboratory and office building of ETH Zürich. A BE 500 plant from BAUER MAT Slurry Handling Systems was used to treat the bentonite suspension.

9 | Israel In Tel Aviv, our customer Ariel Gabay Foundation Ltd. used a GB 50 in the Low Headroom variant for grab work in extremely tight spaces.

10 | China For a subway station in the coastal city of Xiamen, the company Lianyungang Zhongyuan Hengji Construction Engineering Co., Ltd operated a BG 28 using the Kelly drilling method to pierce through hard rock with a strength of 70 MPa.

11 | Maldives In Malé, the company Afcons Infrastructure Ltd used two BG 42 drilling rigs for an infrastructure project. The equipment was transported to the island by ship.

12 | Australia In Melbourne, our customer Keller Pty Ltd Australia drilled piles with a diameter of 2,700 mm up to a depth of 37 m using a BG 42 V.



Trend Equipment

The BCS 185 cutter system combines some established technology with a few highly useful features from the premium range of multi-functional MC duty-cycle cranes.



Innovation – our key to a successful future

For more than half a century, our high-performance and highly efficient equipment has been setting standards in specialist foundation engineering. But we don't just rest on our laurels: We are making great strides on the path to a successful future with our innovations – several of which are presented here.

The latest generation of compact cutter technology

In the form of the BCS 185, Bauer Maschinen presented guests at its in-house exhibition in spring with a specialized cutter carrier that offers a highly economical entry-level variant for a cutter system combined with the hose



The zero-emission drilling rig KR 806-3E was specially developed for anchor drilling with a double-head drilling system.

The BE 600-C desanding plant can process up to 120 t of solids per hour.

**THE ONLY WAY TO
CHANGE TOMORROW
IS TO BE INNOVATIVE
TODAY. WE HAVE
A PASSION FOR
PROGRESS.**

drum system HDS 90-T. This equipment can achieve trench depths of up to 90 m. During the development process, one key focus was to ensure compact and modular design in order to optimize the system for assembly and transport onto the site. When assembled, the BCS 185 is thus particularly suited for operation on sites with tight space constraints. The exhibited machine is a holistic concept that elevates the area of diaphragm wall equipment to a new level in terms of functionality.

Next-level desanding

High throughput, fast assembly, digital operation with remote maintenance: that's the new BE 600-C desanding plant from BAUER MAT Slurry Handling Systems. The Allgäu branch of BAUER Maschinen GmbH brought it on the market as a successor to the established BE 550 that truly keeps it all together: This two-stage plant with double cyclone design is installed within a container frame, and includes a reservoir tank, solids discharge, hose guide, all-round access platform and upstream coarse filter. It delivers 174 kW of power and a considerable throughput capacity of 600 m³/h. This means that the plant can process up to 120 t of solids per hour – setting new standards in the field of desanding.



Zero-emission universal and anchor drilling rig

The newly developed KR 806-3E drilling rig is the zero-emission solution within the established KR 806 series from KLEMM Bohrtechnik GmbH that is used worldwide. The hybrid drive string is based on an electrical, permanent magnet synchronous motor with a peak power of 154 kW. Using max. 2 x 125 A CEE plugs, connection to a standard 400 VAC site power distributor is very easy. The batteries act as a buffer to cover load peaks when the power exceeds the 86 kW from the grid. As soon as the electricity demand falls below the 86 kW threshold, e.g. when idling or changing bars, the excess power is used to charge the battery. This is achieved using the energy management software developed by KLEMM so that the equipment can be charged during operation without downtimes.



Are you already familiar with the innovative track piler from RTG Rammtechnik?

Go to video

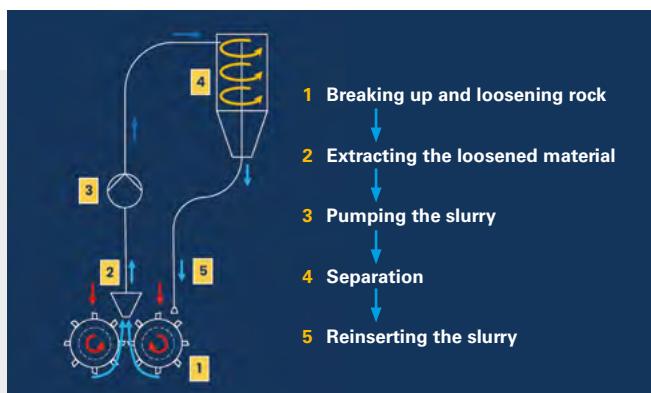


Secrets of the deep sea

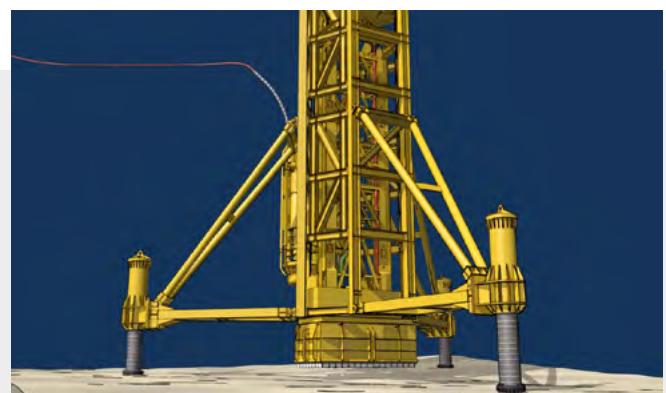


Minimally invasive sampling thousands of meters below sea level? This isn't some pipe dream, it's the focus of an award-winning research project.

Whether copper, cobalt or rare-earth metals, the global demand for these and other raw materials is tremendous. This is accelerated by major trends such as electrification or the energy revolution. In order to cover the demand for raw materials, existing capacities must be expanded and new deposits must be developed. There is a great potential in the area of massive sulfides from previously unexplored deposits in the deep sea, i.e. at 2,000 m or more below sea level. Nevertheless, new sustainable solutions with minimal impact on the environment are required for their exploration and classification – precisely the focus of the joint project Deep Sea Sampling, subsidized by the German Federal Ministry for Economic Affairs and Climate Protection (Bundesministerium für Wirtschaft und Klimaschutz, BMWK) and honored with the 2022 Bauma Innovation Award.



The approach is based on cutter technology. The extracted material is separated directly on the ocean floor.



After extraction, only a small trench remains at the mining point where the material was removed.

A promising approach

The project partners are the TU Bergakademie Freiberg (Freiberg University of Mining and Technology), the University of Rostock, the Friedrich-Alexander University Erlangen-Nuremberg (FAU) Erlangen-Nürnberg along with Krebs & Aulich GmbH and BAUER Maschinen GmbH. The Federal Institute for Geosciences and Natural Resources (Bundesanstalt für Geowissenschaften und Rohstoffe, BGR) as well as the Deep Sea Mining Alliance (DSMA) are also represented on the project support committee. "The topic of deep sea mining is more relevant than ever and requires an assessment of potentials and effects across all professional disciplines," remarks Prof. Dr. Martin Sobczyk from the Mechanical Engineering Institute of the Freiberg University of Mining and Technology. "For the exploration of massive sulfides in the deep sea, there is a very promising approach based on the cutter technology that has been successfully applied in specialist foundation engineering for a long time now," explains Dr. Matthias Semel, coordinator for the overall project from BAUER Maschinen GmbH.

Keeping an eye on environmental impacts

The research project was launched in summer 2021 and is planned for a period

of three years. "The focus is on developing a technology for an approach that is both efficient and minimally invasive. Apart from technological implementation, we always keep an eye on the ecological interactions," reports Stefan Wegerer, Project Coordinator at BAUER Maschinen GmbH. The idea: electrifying a compact trench cutter and transforming it into a partially automated vertical mining unit that separates and classifies the extracted material directly on the ocean floor. After extraction, only a small trench remains at the mining point, while the ore is transported to the surface in closed vessels. The equipment can be transported to the next location on floating carriers.

Turning theory into practice

In spring 2023, the second milestone meeting was held between the project partners, which also marked the start of the last project phase. "Now one of our objectives is to transform the knowledge we have gained into practice, and also to test our developments thoroughly with respect to their suitability for deep sea operation," says Matthias Semel. He is confident: "We've taken the first step, but this will be followed by many others. Deep Sea Sampling is making a contribution towards a future in which the secrets of the deep sea will be the subject of further research."



“

This project is making a contribution towards a future in which the secrets of the deep sea can be researched with minimally invasive methods.”

Dr. Matthias Semel · Head of Research
BAUER Maschinen GmbH



In fall 2022, the project received the Bauma Innovation Award in the Research category.



Take a closer look at the research project!

And action!

Germany

▪ Resources on site



Magdeburg On the grounds of a former fitting production facility in Magdeburg, Bauer Umwelt prepared the soil for a successful new beginning. Approximately 3,350 m³ of material were replaced to a depth of 9 m using large-scale boreholes.



Frankfurt Good planning and organization were essential when constructing the excavation pit at the Rebstock site in Frankfurt. Using a 30 t excavator, Bauer Umwelt excavated roughly 100,000 t of soil.



1



2

1 | Niederfüllbach As a complete service provider, Spesa took on everything from the demolition of the existing E-Center all the way to turnkey construction of the new building, including parking facility, on the 20,500 m² property in Niederfüllbach.

2 | Verden Spesa is rehabilitating the Aller bridge in Verden piece by piece and installing new replacement structures by 2025. Roughly 7,300 m³ of concrete and approx. 900 t of reinforcement steel will be installed.



3 | Hannover For the new building of the residential quarter ZWEI in Hannover's Pelikanviertel district, Bauer Umwelt constructed an excavation pit with a depth of up to 8 m. Around 25,000 t of soil were excavated.

4 | Bremen In Bremen, Schachtbau Nordhausen built a steel arched bridge weighing 900 t as a railway overpass. A mere 48 hours after guiding the elements into position, train traffic was able to resume.

5 | Berlin For the relay pump station in Berlin, Schachtbau Nordhausen constructed four water tanks and a machine hall. The major challenge: During the entire construction phase, the drinking water supply had to be ensured at all times.

Trend Resources

Large-scale plant
for treating groundwater
polluted with PFAS



Research, develop, tackle: Towards a future without PFAS

You can't smell, taste or see them. Yet they are nearly everywhere. In shampoos, jackets or pans. They can even be detected at the most remote places in the world, for example Antarctica. And they also play a major role in industrial processes. What are we talking about? Per- and polyfluorinated chemicals, PFAS for short. Once they get into the environment, they stay there. For a very long time, often for decades. And they pollute the soil and groundwater.

Stable, practical – and hazardous?

PFAS are some of the most stable chemical compounds in existence, which makes them repellent to water, grease and dirt. Due to their resistant properties, they have been used in household and industrial applications for a long time: in cosmetics, clothing, packaging, coating or fire extinguishing foams. The challenge: Starting from manufacture and during use as well, they enter into the environment. Factories expel them into the air through chimneys, fire extinguishing foams cause them to seep into the soil, and they end up in water when textiles are washed. The result: PFAS can now be detected all over the world. In Germany alone, there are estimated to be more than 1,000 contaminated hotspots according to studies by the state environmental authorities. And numbers are increasing every day. This means that the problem is growing, because it is also very difficult to remove PFAS. That's precisely why they are referred to as forever chemicals – and they are extremely hazardous to people, animals and the environment due to their carcinogenic effect.

EVERYONE IS TALKING ABOUT PFAS, BUT MANY PEOPLE DON'T UNDERSTAND THEIR IMPACT. WE PROVIDE CLARIFICATION AND DEMONSTRATE SOLUTIONS.

Success with soil washing

The fact that PFAS are extremely stable and nearly non-biodegradable means that there are strict requirements for rehabilitation, especially where polluted soils are concerned. There has been hardly any research into suitable methods. But Bauer Resources has rediscovered a well-established method for the contaminant spectrum: soil washing. The results were promising after initial wash tests with a mobile plant: The highly polluted sandy soils were treated so that more than 90% could be reused as backfill material after cleaning. In contrast to conventional disposal in landfills, this eliminates the majority of the costs for transport, procurement of new filling material and disposal. The actual efficiency of soil washing needs to be evaluated after further practical tests with different soil types.

Small laboratory, big results

Bauer Resources has invested a lot of time, money and an enormous commitment in research and development of new concepts for treating water polluted with PFAS. In this field, the PFAS laboratory container is a true innovation. Using this small mobile plant, various absorber materials can be tested directly on site for their suitability with regard to the service life and economic efficiency



Bauer Resources produces groundwater treatment plants from small to large.

of the materials. Bauer Resources has already successfully completed more than 20 projects of this kind. With flow rates ranging from 5 to 200 m³ of contaminated water per hour.

In the future, we will continue to work intensively at Bauer Resources on the issue of PFAS. We already have good solutions. And every day we keep on researching, developing and taking action. For a better future with less per- and polyfluorinated chemicals in the soil and groundwater.



**Who is behind our projects?
Lucas Stiegler, for example.
(only available in German)**

**Watch the video
and learn what
motivates him.**



Company

Taking on responsibility together



Many projects, even more synergies: Employees from the Resources and Geotechnical Solutions segments work hand in hand on many projects, including the Berlin-Schönfeld Airport: of course, using equipment from Bauer Maschinen.

In a world that is constantly evolving, change and transformation are inevitable realities. Whether on a personal, social or global level, we are continually faced with new challenges and opportunities. These force us to adapt and grow. Change can be challenging, there's no doubt about it. It involves uncertainty. Familiar structures and routines are called into question. But change also holds enormous possibilities in store: it opens up opportunities for developing, for realizing innovative ideas and for shaping a better future.

HOW CAN WE ACHIEVE OUR GOALS TOGETHER AS A TEAM AND WHAT IS OUR STRATEGY FOR THE FUTURE? THE GROUP MANAGEMENT HAS PUT A LOT OF EFFORT INTO ANSWERING THESE QUESTIONS.

2023 was a year that brought several major changes for Bauer, first and foremost the change in ownership and the delisting of shares from the Frankfurt Stock Exchange. But what remains unchanged is the company's orientation with its three segments – Geotechnical Solutions, Equipment and Resources. "Our mission is to maintain sustainable economic success in all three segments and to achieve the goals we have set. In each segment we strive to focus on those services, products and markets in and with which we can grow profitably on the long term," emphasizes Peter Hingott, Executive Board member of BAUER AG.

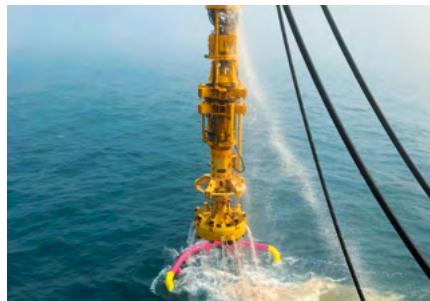
Sustainable success

Compared with other businesses, Bauer offers added value particularly through the three segments, the variety of topics addressed and the synergies we generate from this diversity. This is also one of the key building blocks for the future, as is our openness to new technologies and ideas. These include Bauer's offshore division, the innovative BAUER Cube System, the area of geothermal energy and investments in projects such as Carbo-FORCE GmbH. "What matters most is pursuing all our activities with even more skill, without fear and with absolute determination, harnessing our full effort and dedication, yet at the same time always keeping our costs and risks under control," continues Peter Hingott. "Our focus is on establishing moderately sized, informal and straightforward structures

as well as delineating unambiguous responsibilities, defining clear goals and implementing them consistently. That way, we can ensure our long-term success."

Expanding synergies

To maximize the benefits, diversity and synergies between the segments more efficiently and successfully in the future, this year Bauer established the fourth segment Corporate Services, which has been somewhat sidelined in the past, on a common management level alongside the operative segments Geotechnical Solutions, Equipment and Resources. This includes areas such as Human Resources, Information Technology, Group Communication, Accounting and more. Two goals are being pursued with this measure:



Bauer Spezialtiefbau executed the complex foundation for an offshore wind park in France using underwater drilling rigs from Bauer Maschinen.

On the one hand, placing the tasks, responsibilities and accountabilities of Corporate Services at eye level with the other segments so they can be recognized accordingly. And on the other hand, allowing the Corporate Services segment to assume responsibility for the operative success of the other segments and contribute towards achieving the economic goals of the Group. Furthermore, by taking this step we will further expand and improve on the synergies between the segments. During this development, the Construction segment was renamed to Geotechnical Solutions, since the seg-



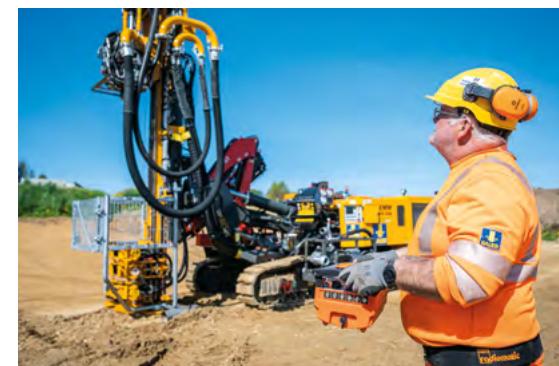
A Bauer Spezialtiefbau project in Munich, in which Bauer Resources was also involved, received the DGNB Certificate for Sustainable Construction Sites.

"This new structure illustrates that our future way of thinking and acting has to be detached from the structures provided by corporate law," emphasizes Peter Hingott. "The management of each segment encompasses overall responsibility for all companies, divisions and departments in the segment, while also thinking in the interests of the overall BAUER Group. Within the segment, all companies and divisions have equal weight. On this basis, the extended company management has to work together to safeguard the synergies, strategy and success of the BAUER Group."

ment has been reoriented again to fully focus on the core business of specialist foundation engineering as part of the changes that have already been implemented. The segment's name now expresses that development.

Taking on responsibility together

"The BAUER Group can only operate as a cohesive whole. This means that everyone has to be willing to consider new perspectives and ask themselves before making any decision what is best for the entire Group. There is one BAUER Group, and there is one shared responsibility," summarizes Peter Hingott. To embody this shared responsibility successfully and effectively from the executive level, an extended company management was established in 2023. This comprises the Executive Board and two representatives from each of the operative segments Geotechnical Solutions, Equipment and Resources as well as the management of Central Services. For each of the operative segments, these representatives are the Commercial Manager and Operative Manager.



Powerful technology for geothermal energy: Bauer Resources has been using the reliable equipment of KLEMM Bohrtechnik GmbH for many years now.

With this compact and powerful management organization comprising the Executive Board and extended company management, Bauer is taking an important step to safeguard the collaboration, synergies and success of the Group. Peter Hingott: "We are convinced that this is the correct and only way to achieve the goal we have set for ourselves again and again of harnessing the synergies in the BAUER Group without abandoning or questioning the responsibility and independence of the individual segments."

Conexpo

Meeting place for construction machinery industry in Las Vegas

MARCH 14 - 18



CONEXPO-CON/AGG is the largest construction fair in North America. It is held every three years at the Las Vegas Convention Center and broke all exhibition records this year: More than 2,400 exhibitors from 36 countries presented their innovations, products and services. BAUER Equipment America was exhibiting together with its sales and service partner Equipment Corporation of America (ECA). At the outdoor stand measuring approx. 930 m², visitors were able to view a cross-section of the portfolio including a BG 33 with SCM single-column mixing tool and an RG 27 with MR 145 Silent Vibro. Both showcased machines were handed over to their new owners after the fair. In addition, the sales team was able to sell an MC 96 duty-cycle crane with HDS 100 and BC 48 cutter as well as an RG 27 S with the new Multi Shaft Mixing System directly at the trade show.

Dates & Events

APRIL 27 - 30

In-house exhibition

Enthusiastic guests
and impressive exhibits

After a break of five years, it was finally time again on April 27: The BAUER Maschinen Group welcomed roughly 1,500 guests from the region and all around Germany as well as international guests from more than 50 countries to the opening of its traditional in-house exhibition at the headquarters in Schrobenhausen. The slogan for this year's event: be excited. "Whether for alternative drive systems, noise reduction initiatives, the latest developments in water well construction, revolutionary enhancements in diaphragm wall technology or equipment technology for the offshore area, Bauer is a pioneer," said

Dr. Rüdiger Kaub, Managing Director of BAUER Maschinen GmbH, in his opening speech. Jochen Grundmann, Board Member and Sales Director, emphasized: "Our outlook for the future is very positive. This is because we always see an opportunity in all of the major challenges faced by our business."

On the premises in Schrobenhausen and the factory grounds in Aresing, guests were able to experience specialist foundation engineering technology first-hand for a total of four days. Alongside absolute innovations, an impressive

APRIL 22

GWE

Open day

In April, GWE GmbH in Peine welcomed numerous visitors to its open day. The colleagues at GWE had put together a varied program of specialist lectures and factory tours for the event. With drinks and snacks, the physical well-being of guests was also well taken care of. Whether old or young, the feedback from the participants was unanimous: Everyone had a lot of fun on the day. The success even exceeded the expectations of the organizers. In May and June, open days were also held at the other GWE locations in Nordhausen and Luckau. Here too, the echo was positive throughout.



mix from the Bauer product range was presented, starting with BG drilling rigs, drilling tools, well drilling rigs and MC duty-cycle cranes along with diaphragm wall technology, all the way to mixing and separation technology. Of course, KLEMM Bohrtechnik GmbH and RTG Rammtechnik GmbH also participated and presented their innovations. For numerous pieces of equipment, visitors were treated to an exciting glimpse "under the hood" at the world of alternative drive systems.

In Bauer's "Old Welding Shop", guests gathered information about digital solutions and topics related to sustainability. The topic areas of water, energy and mining, maritime technologies, Parts & Service along with the BAUER Training Center, Spantec and the GWE Group were also exhibited there. Daily live presentations in Aresing and the supporting program in the evenings with lots of Bavarian charm also helped to ensure that the first Bauer in-house exhibition after the COVID-19 break was an unforgettable experience.



The best moments with our customers and partners.

Go to the after-event movie 

MAY 4

Schrobenhausener Tage

The city of the future as a successful model for specialist foundation engineering

For 35 years, BAUER Spezialtiefbau GmbH has been hosting the "Schrobenhausener Tage" lecture series. This year's event was held with the slogan "The City of the Future – Urban Development and Specialist Foundation Engineering." Around 240 national guests accepted the invitation. In addition, approximately 60 international participants traveled to the event, the farthest from Japan. The guests were welcomed by Florian Bauer, Managing Director of BAUER Spezialtiefbau GmbH, who emphasized the decisive role that specialist foundation engineering plays as the basis for constructing buildings and subways:

"Our services are deep in the ground, performing reliably out of sight. Without them, modern and groundbreaking urban development would not be possible." Attendees were treated to a varied mix of exciting presentations about unusual and complex construction projects, including the 2nd trunk line in Munich or NEOM. The practical applications of Bauer's innovations in specialist foundation engineering were also discussed. During the lunch break, participants were able to gather information about the current status of the Bauer innovations in specialist foundation engineering at various stands

Dates & Events

JUNE 14 - 16

BAUER trainee camp

A strong team right from the start

Networking, getting to know colleagues, team-building and bit of partying as well – that was the intention of the first BAUER trainee camp. A total of 172 trainees between 16 and 25 years from all German companies of the BAUER Group came to Schrobenhausen in mid-June for a three-day campout with sunny weather and pleasant temperatures.



Experience our 2023 trainee camp.

And action!



of the departments Technical Services, Design and Digitalization. In the exhibit area of the previous in-house exhibition of BAUER Maschinen GmbH, dialog with experts was the clear focus alongside the impressive exhibits. The event was concluded by a podium discussion which intensively addressed the opportunities and challenges in modern urban development. "The city of the future needs specialist foundation engineering! We can provide innovative and sustainable solutions," Florian Bauer summarized.



JULY 21

Hydraulica

Rock at its finest in the open air

In late July, the open-air concert of Bauer's band Hydraulica drew around 400 rock music fans to the grounds of the head office. And they definitely got their money's worth: With classics like "Free Fallin'" by Tom Petty and "Heroes" by David Bowie along with many other songs, singer Christoph Soier, guitarist Florian Bauer, bassist Stefan Schnitzler and drummer Jürgen Kukol wowed the crowd. As their opening act, the Schrobenhausen-based combo paula played pretty warmed up the atmosphere.



News



Largest individual order for Schachtbau's plant construction specialists in the past 30 years

Through the Berliner Wasserbetriebe water utility, the Berliner Stadtwerke public utility granted the plant construction specialists at Schachtbau Nordhausen their largest individual order of the past 30 years. The order total amounts to 16.5 million euros. At the treatment plant in Berlin-Schönerlinde, Schachtbau Nordhausen will set up sewage gas treatment and gas recovery systems in two combined heat and power plants with an output of 1.2 MW each. Berliner Wasserbetriebe has also entrusted Schachtbau with the approval planning for the entire system. In addition, the plant construction specialists are responsible for the planning process down to the final acceptance by the authorities after successful commissioning and trial operation. This stage should be reached in February 2025.

Anniversary and entry in the Golden Book

In fall 2022, a very special anniversary was celebrated in Nordhausen: The long-standing company Schachtbau Nordhausen had been part of Bauer for 30 years. This success story was the occasion for a celebration in the Nordhausen town hall. In addition to contemporary witnesses, the official celebration was also attended by guests from politics and business, including the Thuringian Ministry of Economy Affairs, Wolfgang Tiefensee. The highlight of the celebrations was Prof. Thomas Bauer's entry in the Golden Book of the City of Nordhausen. Following the official part of the celebrations, there was an employee afternoon on the Schachtbau premises.

Investing in the future



Automation is of crucial importance not only on sites but also in factories. That's why there was an enormous upgrade this year in the Bauer Maschinen plant at Schachtbau Nordhausen: The fine-tuning is currently underway

for the new igm robotic portal, which is planned to be commissioned in early 2024. The 32 m long welding portal is the third stage of the automation process at Schachtbau, after the robotic arm and the welding cell. Since 2020, the innovative robotic cells have made it possible to weld components of 2 m in length and weighing up to 2 t in a fully automated process. The welding portal will ensure a considerable further increase in efficiency. And that's not all: While the preliminary structural work is still underway for the procurement of a new drilling tool, a camera-guided cutting system has already been introduced as a further investment. In addition, the outdated stacker cranes in the high-bay warehouse were also replaced.

Sewage treatment using the power of nature

Using innovative methods, BAUER Resources GmbH treats production water, sewage, or sewage sludge in a purely biological manner. Bauer Resources has been a forerunner in the industry for years, and is now marketing the natural sewage treatment method under a new name: Ecosys®. The centerpiece of this sustainable technology: Millions of plants, tons of filter gravel and countless microorganisms that clean the wastewater entirely without the use of chemicals. Further information is available at ecosys-wetlands.com.





Girls' Day

On Girls' Day, the goal is to get rid of old prejudices. After all, girls and equipment make a great team. At Bauer and Schachtbau Nordhausen, female students from the region were invited again on April 27 to get a glimpse of technical and industrial professions.

Bauer Resources participates in Carbo-FORCE

Carbon serves as the basis of all natural materials. Yet, there's now more of it in the air than the natural cycle is able to neutralize. Carbo-FORCE GmbH has a strategy to counteract this: This startup from the northern German town of Preetz has developed groundbreaking equipment for the carbonization of biomass. On January 1 of this year, BAUER Resources GmbH acquired 50% of the company's shares. "The groundbreaking carbonization plants from Carbo-FORCE are an ideal addition to our portfolio," underscores Dr. Roman Breuer, Managing Director of BAUER Resources GmbH, and adds: "At the same time, we are reinforcing the expansion of our energy division with this step."



Inaugurating a new building

On August 9, there was reason to raise a toast in Conroe, Texas: The new production and administrative building of BAUER Equipment America Inc. was officially inaugurated. Along with the Group Executive Board and the Management of BAUER Maschinen GmbH, representatives from the American sales partner ECA and the local city administration also took part in the ceremony.



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Ruth Wallner (responsible), Linda Erbsmehl, Martina Krammer, Veronika Soier, Ulla Vogt, Katharina Weinmann, Christopher Wolf

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