

## Press Release

January 28, 2019

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### **Bauma Innovation Award 2019**

**Construction Work/Construction Method/Construction Process Category**  
**BAUER Spezialtiefbau GmbH/BAUER Maschinen GmbH**

### **Bauer's Data Management Software b-project nominated for the Bauma Innovation Award 2019**

**Schrobenhausen / Munich** – Digitalization is constantly gaining speed and offers great potential in a wide range of fields. At BAUER Spezialtiefbau GmbH, digitalization is regarded as a key tool in the context of BIM (Building Information Modeling). As the majority of specialist foundation work is performed underground and can therefore not be inspected visually, the quality is largely assessed using construction and material test data. This documentation task and management of information required by the applicable standard represent a considerable workload for construction site staff.

In this respect, BAUER Spezialtiefbau GmbH records all relevant construction data systematically and digitally, networks it in a targeted manner and analyzes it automatically. Against the backdrop of this "digital construction site", the data management software b-project was developed and has now been nominated for the Bauma Innovation Award 2019 in the Construction Work/Construction Method/Construction Process Category.

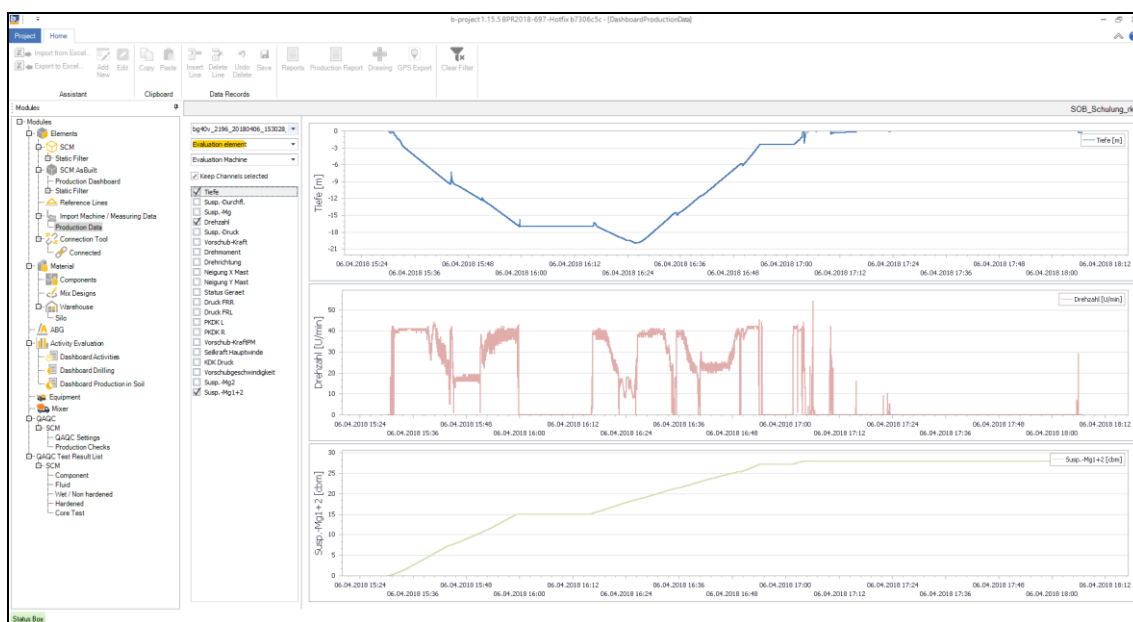
"The b-project software is a central tool for digitally collecting, linking and analyzing all relevant data when executing a project," says Florian Bauer, member of the Management Board at BAUER AG and responsible for the area Digitalization. This includes a scope of various applications, whether it be transferring design data from the design office to the construction site, importing and analyzing digital equipment data, generating pre-filled reports for site managers, or archiving test specimen lists and technical performance reports.

"The digital equipment data arising from our drilling rigs form the basis of the construction reports generated in b-project," explains Prof. Dr. Sebastian Bauer, Managing Director of BAUER Maschinen GmbH. This actual construction data is automatically fed back into the quality documentation and performance report, thereby representing central interface points in the system.

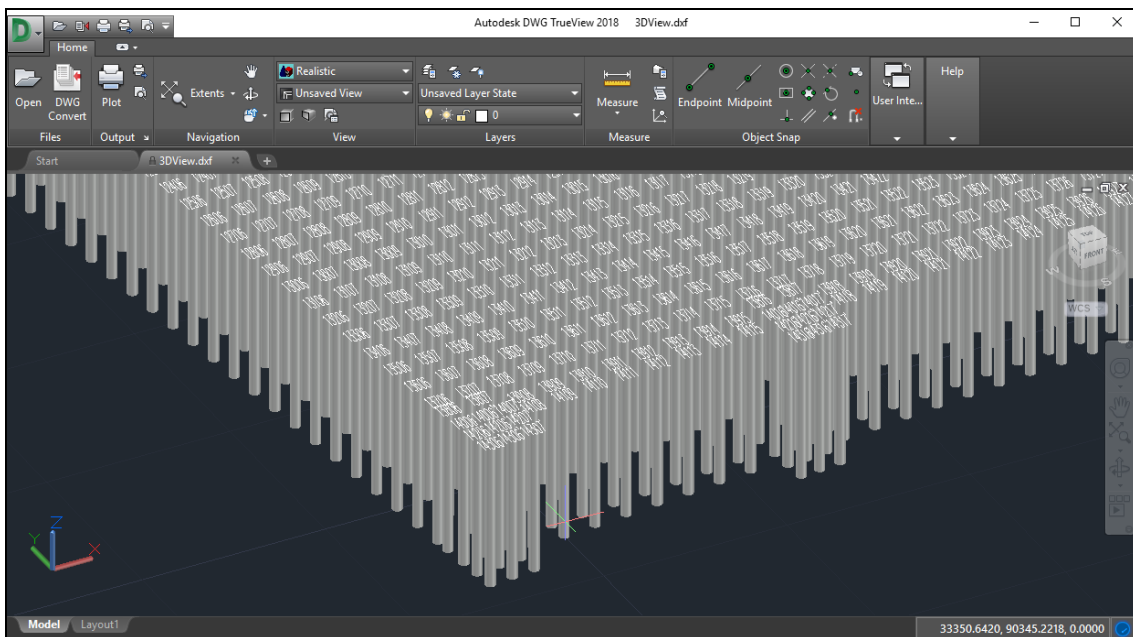
"The design data from planning can be linked with the actual data from construction", Florian Bauer continues. This automated approach reduces the work involved in documentation and testing substantially and facilitates a standardized, automated and effective optimization process for the construction site. "The software also offers a wide range of options in terms of visualization, from evaluations in table form or graphical evaluations as a 3D model."

By providing evaluations for process control, process optimization and invoicing, b-project will make it possible to digitally capture and represent almost the entire construction sequence in the future. Florian Bauer: "Our aim for b-project is to reduce the work involved in recording, linking and analyzing the various data so that we can identify possible optimization measures quickly and reliably. An innovative approach for the projects of the future."

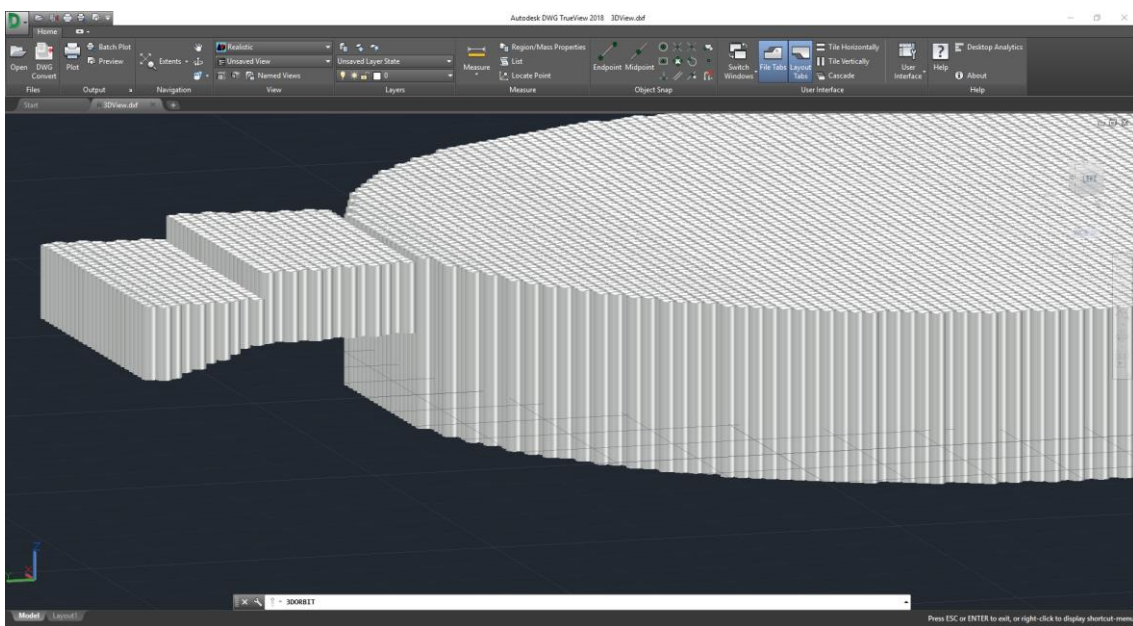
### Images: 2019-01\_Bauma Innovationspreis 2019\_BAUER Group\_b-project



(1) User interface of the data management software b-project with analyses on drilling depth, rotation speed and slurry quantity



**(2)** Graphical visualization of a bored pile project in 3D



**(3)** Graphical visualization of a bored pile project in 3D



(4) Logo for the Bauma Innovation Award 2019

Images 1-3: © BAUER Group

Please do not hesitate to direct any questions you may have on the data management software b-project to:

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#### **About the 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 soil improvement 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 2017, it employed about 11,000 people in around 70 countries and achieved total Group revenues of EUR 1.8 billion. BAUER Aktiengesellschaft is listed in the Prime Standard of the German Stock Exchange. More information can be found at <http://www.bauer.de>.

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