



Oct 19, 2023 18:00 UTC

Artificial Intelligence in Infrastructure Construction

Virtual conference presents latest developments from research and practice
(Please note that the conference will be in German)

Munich, Germany, October 19, 2023 - ALLPLAN, global provider of BIM solutions for the AEC industry, will host a virtual conference dedicated to Artificial Intelligence (AI) in Infrastructure Construction on November 21. Attendees will learn how AI-based solutions help achieve maximum efficiency along the planning process - from as-built data collection to high-precision replacement planning in infrastructure projects.

What will traffic route planning of the future look like with AI? This is the question addressed by the virtual conference, which is aimed at planners in infrastructure construction. "AI has the potential to help experts accelerate planning and construction processes of infrastructure structures, extend their useful life and improve sustainability. It enables data-based maintenance management, which further increases the reliability of transport and energy infrastructure," says Stefan Kaufmann, Product Manager BIM and New Technologies at ALLPLAN.

In four exciting lectures, experts from research and practice will present the latest developments and innovations in artificial intelligence. Prof. Dr.-Ing. Markus König from the Ruhr University Bochum will present results of the BIMKIT project on as-built modeling of buildings and infrastructure structures using AI. Felix Kretschmann, Senior Product Manager at the AI startup elevait, talks about current projects in the field of machine learning in infrastructure construction. With in:plans, elevait is developing software that can sustainably optimize inventory data management through AI-based knowledge extraction from plans.

Dr. Veit Appelt, Managing Director of A+S Consult, will demonstrate the use of multidimensional parametric BIM models in route planning for road, rail and energy. In addition to a holistic planning approach for above-ground and underground infrastructure structures, the Korfin software offers extensive evaluations and analyses. The conference program will be rounded off by a presentation by Gregor Strekelj, Product Manager Infrastructure Construction at ALLPLAN, who will talk about parametric 4D models in infrastructure planning. The focus of his presentation will be Allplan Bridge, which sustainably increases efficiency in structural engineering through its innovative planning technology based on parametric models.

All presentations will take place in a compact time slot between 3 and 4.30 pm.

[Register now](#)

(Please note that the conference will be in German only)

The Nemetschek Group is a globally leading software provider for digital transformation in the AEC/O and media industries. Its intelligent software solutions cover the entire lifecycle of building and infrastructure projects and enable creatives to optimize their workflows. Customers can design, build, and manage buildings and infrastructures more efficiently and sustainably and develop digital content such as visualizations, films and computer games more creatively. The software provider is driving innovations such as digital twins as well as open standards (OPEN BIM), and sustainability in the AEC/O industry, constantly expanding its portfolio by also investing in deep-tech startups. Currently more than seven million users worldwide are shaping the world with the customer-focused solutions of our four divisions. Founded by Prof. Georg Nemetschek in 1963, the Nemetschek Group today employs around 3,600 experts globally.

Publicly listed since 1999 and quoted on the MDAX and TecDAX, the company generated revenues amounting to EUR 801.8 million and an EBITDA of EUR 257.0 million in 2022.

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