

PRESS RELEASE

INSTATIQ Revolutionizes Construction: 3D Concrete Printing for the Mass Market

INSTATIQ – the dynamic spin-off of the Putzmeister Group – is driving the fusion of innovative technology and practical solutions in construction. The company not only highlights its leading role in 3D concrete printing and construction robotics but also sets an impressive benchmark for efficiency and sustainability in printing massive, load-bearing walls using standard concrete.

New Name, Same Mission – Smarter Than Ever

First introduced as a future concept under the name KARLOS at BAUMA 2022, the new name INSTATIQ reflects the brand's core values, which continue to be the foundation of the company:

- **INSTANT** stands for speed and efficiency in the construction process.
- **STATIC** symbolizes structural stability and load-bearing capacity, ensuring long-lasting and safe buildings.
- **IQ** represents intelligence, digital technologies, and smart processes that usher in and advance a new era in construction

The transition from KARLOS to INSTATIQ is more than just a name change – it embodies a clearly defined vision: transforming the construction industry through intelligent robotics to rapidly create sustainable and economical buildings. As an independent spin-off, the Putzmeister Group is fostering focused development while leveraging the flexibility and innovative power of a start-up-like company.

Introduction of the INSTATIQ P1: Plan. Print. Progress.

Alongside its brand launch, INSTATIQ is presenting its first product: the **INSTATIQ P1** (Progress One), which will be showcased live at this year's BAUMA from April 7 to April 13 in Munich. Featuring a 26-meter robotic arm with millimeter precision, this mobile 3D

concrete printer sets new standards in flexibility and reach. Thanks to proprietary software, the INSTATIQ P1 translates BIM models directly into load-bearing walls on-site – layer by layer, in a single operation. Complex scaffolding and formwork are now a thing of the past. This seamless transition from digital design to physical execution ensures maximum efficiency and significant economic advantages. The 3D concrete printer combines multiple capabilities, reinforcing the company's slogan: Plan. Print. Progress.

"With its automated processes, the INSTATIQ P1 significantly reduces construction time and resource consumption. Its precise printing results guarantee top-tier building quality, while digital planning provides a transparent and bidirectional interface for on-site implementation," explains Markus Frasch, Managing Director of INSTATIQ.

A prime example of its economic impact was demonstrated in November last year, when INSTATIQ successfully printed the shell of a multi-family building with six residential units in just under seven days. Additionally, INSTATIQ creates attractive and safe working conditions, helping to address the industry's skilled labor shortage.

Shaping the Future of Construction with INSTATIQ

INSTATIQ's mission is to elevate the construction industry to a new level through automated and digital processes. The INSTATIQ P1 marks a milestone in 3D concrete printing, but the company is already looking ahead to expand application areas and enhance flexibility in construction planning. From digital software innovations and the use of more sustainable materials to the integration of collaborative robotics, the INSTATIQ team is setting no limits.

Sustainability is a key focus for Markus Frasch: "The use of recycled materials in concrete, reduced CO₂ emissions, and the ability to execute printing projects entirely electrically will significantly lower the ecological footprint of the construction industry." INSTATIQ is committed to close collaborations to further promote sustainable and efficient building methods. This transformation can only succeed if industry, research, and regulatory bodies work together.

About INSTATIQ: *INSTATIQ is a leading company in 3D concrete printing and construction robotics. As a spin-off of the Putzmeister Group, INSTATIQ combines decades of engineering expertise with cutting-edge technology to develop innovative, sustainable, and cost-efficient construction methods. The company is headquartered in Stuttgart, Germany.*

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