# **BRISE Vienna**

## Digitisation that reimagines urban development

The digital transformation does not stop at the building authority – and that's a good thing. With BRISE Vienna (Building Regulations Information for Submission Envolvement), the City of Vienna has launched a flagship project that is gaining attention across Europe. It rethinks the entire building permit process: making it more efficient, transparent, and digital. By leveraging cutting-edge technologies like Building Information Modeling (BIM), Artificial Intelligence (AI), Augmented Reality (AR), and Robotic Process Automation (RPA), the traditionally paper-heavy process is being revolutionized. One of BRISE's greatest strengths: it delivers tangible benefits to applicants, the administration, and citizens alike.

#### How it works

Instead of submitting paper plans, digital 3D models are provided. These go through fully automated review processes, in which Al-based algorithms analyze compliance with legal regulations. Errors and discrepancies are detected early – before the actual administrative review. The efficiency gains are substantial: processing times for building applications can be reduced by up to 50%.

BRISE also includes an AR component, allowing citizens to visualize planned construction projects in the real city environment – via smartphone or tablet. Urban development becomes tangible, understandable, and participatory.

The administration also benefits internally: structured data and automated processes reduce the burden on caseworkers, allowing them to focus on complex cases. At the same time, the system ensures maximum transparency, traceability, and legal certainty.

### The Big Picture

With BRISE Vienna, the City of Vienna is making a pioneering contribution to digital public administration. The project not only improves service quality and accelerates procedures but also creates a new level of transparency and civic participation. In a growing metropolis like Vienna, with around 13,000 building applications annually, this is a crucial step forward in innovation.

BRISE shows how smart technologies can strengthen the public sector and sustainably improve administrative processes – not as a vision of the future, but as a proven, real-world solution already in use today. The project's recognition by the European Union with €4.8 million in funding highlights its relevance: BRISE is not only a pioneering project but also a model for all of Europe.

## **Quick Facts**

- Solution area: Organisations, Processes,
  Quality assurance and certification,
  Regulations and compliance, Technological innovation
- Administrative level: Municipality, District
- Solution process: Digitization and technology, Public service, Science and research, Smart City
- Technology: Artificial Intelligence,
  Augmented / Virtual Reality, Automation
  and robotics, Digital twin, Information
  technology, Platform technology

