

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 AI-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**