



TECHNOLOGIES AND TOOLS

- Unreal Engine 5 for high-fidelity visualization and simulation
- VR integration for immersive virtual reality experiences
- Blender and Maya for 3D modeling and animation
- Substance Suite for advanced texture creation
- SolidWorks, Revit, and Rhino for technical modeling and engineering solutions
- 3D printing for prototyping and production processes

EXPERTISE

- Spatial Digital Twins
- Human-Centered Digital Twins
- VR Training Modules design and development
- Material Science-Based Disaster & Crisis Simulations with custom physics extensions

AWARDS

- Yeni Fikirler Yeni İşler 2024

Elginkan Foundation Grand Award

- TÜBİTAK BIGG 2025-1 Grant

CONTACT US

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ABOUT

Founded in early 2022, our team began its journey with “METUVERSE”, Turkey’s first digital twin campus on Middle East Technical University in Ankara. Initially driven by academic curiosity and passion, the project transformed after the February 6th Earthquake, shifting its focus toward creating real impact in disaster preparedness and crisis management.

Over the past three years, we successfully created a digital twin of part of our campus, building the foundation for applications in risk assessment, crisis simulations, and disaster management. Today, we are fully equipped with advanced hardware such as VR headsets, high-performance computing infrastructure, and lidar cameras to scale our work. Our mission is to transform simulations from simple visualization into high-accuracy, physics- and mathematics-based digital solutions, creating a technology platform that supports decision-making not only in moments of crisis but also in everyday operations.

Team

Our team is composed of graduates with strong academic and professional backgrounds in physics, computer engineering, business, industrial design, architecture, and educational technologies. Combining expertise in digital twin technologies, physics-based simulations, artificial intelligence, and IoT integration, we focus on developing disaster and crisis scenarios driven by realistic physical computations.

With specialized skills in software development, AI integration, physics engine design, structural and scale modelling, as well as management, sales, and marketing, our multidisciplinary structure enables us to deliver technically robust and operationally effective solutions in the field of digital twin-based crisis simulation.