Mobility | Energy Supply | Energy Efficiency | **Digital Transformation**

Digital Twin

WISTA
we get ideas done

Fundamentals

The climate crisis affects everyone. As a technology and business hub, the Adlershof Technology Park is aware of its pioneering role and its energy intensity. Therefore, a primary objective is developping tools with partners to achieve climate neutrality as quickly as possible. One of these is the "Digital Twin", aka ZeroC, from Urban Energy GmbH in Berlin. Here, energy and environmental data from the buildings is recorded and displayed in near real time.

Goals

• All important data on one platform
• Blueprint for new development areas
• Simulating energy saving measures
• CO_2 reporting

Implementation

Pursuing climate neutrality and transparent reporting, the Adlershof Technology Park and other WISTA sites are focusing on data consolidation. With the help of software as a service (SaaS), cloud storage and AI models for the digitization of energy, environmental and building data, the aim is not only to meet reporting obligations, but also to create effective decision-making tools. The project also includes the retrofitting of buildings with digital meters and remotely readable gateways to enable precise calculations and simulations to reduce the ecological footprint.

Impact

• Overview and transparency of electricity and heat consumption

• Recognizing discrepancies

• Easy ESG reporting

• Support decision-making

Timetable

2021 Commissioning

2022 Release

2023 First building digitally integrated

2024 Extension with climate component

Partners

UE urban energy

Contact

Evelyn Cimander
Team Innovation
cimander@wista.de
wista.de