exPEDite

Enabling Positive Energy Districts through Digital Twins

Allowing for real-time monitoring, visualization and management of district-level energy flows

ExPEDite's approach is to develop and integrate modular components that can be used to analyze and predict a district's energy performance under various what-if scenarios. These components form a district Digital Twin, enabling not only a visualization of the built environment, but also real time information on energy flows and spatiotemporal optimization of the district's energy needs. This tool allows for district planning actions to be designed, analyzed and compared, leading to evidence-based decision making. The ExPEDite Digital Twin for Positive Energy Districts (PED) will be deployed in the RTU smart student city, in Ķīpsala, Riga, Latvia.

Consortium

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