

# Digital Twin

## Tallinn



📍 Estonia  
::: COUNTRY

📍 460 999 (2023)  
::: POPULATION

📍 750 000 EUR  
::: FUNDING

📍 City budget and EU fundings  
::: FUNDING SOURCES

📍 Data accessibility & valorisation, Digital Twin  
::: TOPIC OF PRACTICE

📍 Tallinn Strategic Management Office  
::: PRACTICE OWNER



📍 The goal of the Tallinn Digital Twin project is to focus on improving the accessibility and quality of data, enhancing their value through simulations, and creating useful tools for both city management and for citizens to better engage in city planning.

::: ABOUT :::

📍 1. Practical,  
2. Agile,  
3. Open-Minded

::: STRONG POINTS :::

📍 All relevant data owners (private, public, citizens).

::: KEY STAKEHOLDERS :::

📍 1. Getting the data for building 3D model of underground utilities.  
2. Mapping the people's real needs and opportunities.  
3. Definition of a very diverse concept.

::: CHALLENGES :::

📍 Digital Twin Pilot Project: Completed, paving the way for a full digital twin platform.  
3D Model Exploration: Public can explore a 3D model of Tallinn on the website 3d.tallinn.ee.  
Green Twin Project: Aims to improve digital mapping of Tallinn's green spaces.  
Road Condition Monitoring: Mobile data collection underway to map the condition of all 1200 kilometers of Tallinn's streets.

::: RESULTS AND IMPACTS :::

📍 The Tallinn 2035 strategy envisions the city as a digital frontrunner in Northern Europe, boasting a smart and green economy alongside a superb living environment. This vision relies on strong connections within the region and beyond, fostering a knowledge-based society with innovative residents. This collaborative effort, involving research institutions, businesses, and citizens, allows testing new models for urban planning, construction, and mobility. Ultimately, Tallinn's urban spaces become hubs for collaboration and innovation.

::: CITY STRATEGY :::

📍 • Amount of data that we have been requested and the quality of it.  
• How easy people start using our solutions.

::: ENABLING CONDITIONS :::

📍 Actively working together with:

- Events, such as the annual Tallinn Digital Twin Seminar on 12 September 2024.
- International projects.

::: TRANSFER TIPS :::