



About

Estonia's city, Tallinn, has transportation challenges such as a growing number of private vehicles, disjointed public transit, and a drop in PT ridership. The city has taken steps to slow down climate change and aspires to become a people-centered metropolis by 2030. It also plans to cut emissions by 33%.

As a Leading City, Tallinn is taking part in the SPINE program, and the Smart City Platform's digital solution will support the city's environmentally friendly mobility strategies. Additionally, PT utilization and the installation of two environmental monitors are expected to reduce CO2 emissions.

Key Features

KPIs monitoring

Environmental Data monitoring

PT Strategy Planning

Smart city platform and environmental sensors in Tallinn.

Who will use it:

Credentials and access to the whole Smart City Platform will be available to the city of Tallinn and its representatives.

What could be the impact?

The Smart City Platform (SCP) & the two placed environmental sensors provide a flexible and scalable solution to deal with the challenges of urban administration. To facilitate near real-time monitoring, predictive analytics, and strategic planning, SCP was created as a centralised data integration and analytics hub. City authorities can assess performance, pinpoint areas for development, and make well-informed decisions thanks to the platform's goal-oriented architecture, which includes KPIs and modular design. Implemented throughout Tallinn, SCP's methodology uses an iterative, phased approach to guarantee customised, effective deployment. as well as data-driven governance. This innovative digital solution demonstrates how technology may improve the city's quality of life, promote climate neutrality, and change urban landscapes.

Development & testing in SPINE:

This digital solution is now undergoing active enhancement, with deployments and improvements taking place in three-week agile sprints. The final version will be deployed soon.

Can it be transferred?

Arcadis IBI Group created the Smart City Platform (SCP), a software-as-a-service (SaaS) platform that is intended to meet the intricate requirements of contemporary urban management.

The SCP serves as a central repository for data from different city domains, facilitating smooth analysis and promoting cross-functional insights. By providing them with cutting-edge tools for data visualisation, real-time monitoring, and predictive analytics, it gives local authorities the confidence to make prompt, well-informed judgments. Through the integration of many datasets into a single platform, the SCP converts dispersed data into useful insight, promoting efficiency and more intelligent governance. Additionally, the solution may be transferred between cities due to its scalable architecture, which promotes greater cooperation and creativity.

What's next:

The Smart City Platform (SCP) has sophisticated data integration and visualisation features that allow city officials to use it to make well-informed choices. Through the processing of many data sources, SCP offers lucid insights into environmental sustainability, infrastructure, and urban mobility. Its dynamic visuals and KPIs allow authorities to spot trends, anticipate problems, and put strategies into action that minimise environmental impact, maximise resources, and support sustainable urban growth.

While maintaining the significance of supplying the Smart City Platform (SCP) with accurate and thorough data, city authorities can improve the platform by making full use of its data processing and analytical capabilities. The entire potential of the platform is unlocked by feeding SCP with varied and pertinent data, which allows the sophisticated ETL pipeline to convert raw data into a consolidated repository.

