Development Toolkit for City Services

Is your city interested in boosting digital service development with uniform APIs and European wide developer community? Or maybe you are a developer looking to develop apps that work in various European cities? CitySDK is here to help you.

HELPING CITIES to unlock the potentials of open data and giving developers the tools they need, CitySDK aims for a step change in how to deliver services in urban environments.

SDK (Service Development Kit) refers to the tools that technology companies provide for their developers. The same concept is now introduced to cities to help them better utilize the know-how of the developer communities in developing city services.

CitySDK creates open and uniform service interfaces across European cities.

The project focuces on three domains: Smart Participation, Smart Mobility and Smart Tourism. Solutions of these domains are tested in Helsinki, Amsterdam and Lisbon and replicated in other European cities such as Barcelona, Istanbul, Lamia, Manchester and Rome.

CitySDK compiles a toolkit for the development of digital services for the cities. Toolkit includes open and uniform digital service interfaces enabling more efficient utilization of the expertise and know-how of developer communities in the city service development.

CitySDK Smart Participation

The purpose of the pilot is to create an open interface that acts as an issue-reporting channel between the citizens and the civil servants.

In Helsinki, an Open311 interface has been implemented to the brand new centralized feedback handling system. Now citizens can easily follow the handling of their issue reports even if they used external apps for providing them.

CitySDK Smart Mobility

The pilot aims to tackle the mismatch between the many European mobility datasets on the one hand and the app development community on the other.

In Amsterdam several apps have been developed in order to demonstrate how the CitySDK distribution API works and to make its interoperability visible. For example, a simple web app offers Public Transport departure times in immediate vicinity (real-time where available) in six European cities.

CitySDK Smart Tourism

The pilot focuses on creating location-based mobile services for tourists. The ultimate goal is to create a European-wide market for tourism applications based on Open Data.

Contextualised information about POIs and events in Lisbon is already available, through mapping services created using CitySDK toolkit. The services also provide information regarding touristic routes across the city, allowing one to explore different perspectives and experiences.

CityService
Development
Kit

CITYSDK OFFERS GREAT BENEFITS for cities as well as for developers. It is a collection of tools and knowledge that will allow easy and rapid development of transferable and interoperable Smart City services and applications. In CitySDK a set of European cities work together to produce common tools for the developers. Participating cities have in total a population of over 30 million inhabitants – offering countless opportunities for innovative companies, entrepreneurs and developers to create applications and services that will improve the quality of life of the citizens.

INTERESTED? Learn more about our work from our website, utilise our code resources on Github, set up one of the uniform APIs or invite us over to tell more about the benefits of the CitySDK approach.

CITIES

By implementing CitySDK APIs cities are able to:

- Utilize the know–how and resources of the cities with a CitySDK API already deployed

- Manage data provision

- Capture the innovation potential and the expertise of the local and global community to the further development of urban digital services

- Provide the citizens with an option to choose from a wider selection of services, profiled to respond to the needs of different audiences

- Diminish the risks related to rapidly changing techological trends

- Be part of international CitySDK community boosting interoperability of services across the cities and borders

DEVELOPERS

By using CitySDK APIs developers have access to:

- Various European cities' uniform APIs

- Information about the relevant data sources available within the domains of Smart Participation, Smart Mobility and Smart Tourism

- Larger markets while only requiring minimum adaptation of the app

- Technology agnostic APIs

- Resources such as code libraries, apps and platforms

- Exchange knowledge and experiences through global CitySDK developer community

CitySDK

CONTACT US if you want to discuss how CitySDK toolkit could fit your needs or learn more about particular use cases.

Smart Participation

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THE PARTNERSHIP consists of eight European cities: Helsinki, Amsterdam, Barcelona, Istanbul, Lamia, Lisbon, Manchester and Rome – supported by expert organizations, companies and universities from nine countries. The CitySDK project is led by Forum Virium Helsinki, a non-profit development company based in Helsinki.

CITYSDK AT A GLANCE

Project: Smart City Service Development Kit and its Application Pilots – CitySDK

Coordinator: Forum Virium Helsinki

Partners from: Belgium, Finland, Greece, Italy, the Netherlands, Portugal, Spain, Turkey and United Kingdom

Duration: 1.1.2012 – 30.6.2014

Total cost: 6,84 MEUR

Programme: Competitivess and Innovation Framework Programme ICT Policy Support Programme – Pilot B

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