Profirator

SMART**CITY** EXPO WORLD CONGRESS

Intro

Profirator Oy is a Finnish technology company focusing on digitalization solutions in the fields of smart traffic (ITS) and smart cities. In ITS sector Profirator is specialized for providing expertise services and solutions for traffic data management, visualisations and analytics.

We are experts in integration and bring in a holistic approach of a smart city. We break the data silos by offering an all-encompassing platform or can provide connectors for data owners, so they can maintain data sovereignty while sharing the relevant data for enriched solutions.

Our expertise in the ITS area combined with the ability to provide full stack solutions from hosting, managed Kubernetes, Smart City IoT platform to Solutions and Analytics, gives us the tools to help our customers in ITS challenges in smart cities as well as inter-urban areas.

HSL – Greater Helsinki area transport

Project Description

Profirator's team has been a part of Helsinki Transportation's Multi-Modal platform architecture team since 2014. We have designed and implemented the data broker platform (based on MQTT), which collects real-time data (High-Frequency Positioning) from all the public transport vehicles in the city of the Helsinki region. The data in real-time is made available under the Open Data initiative of Helsinki Transportation city. Various solutions like "Prediction" and applications like "HSL App" and "Transporter" are using this data to provide different kinds of solutions to the users. Profirator's data broker platform has been in production for more than four years now, and as of this day, the platform is brokering more than 3,5 billion transactions a day. This project is being executed in partnership with Contrasec in the consortium. Contact person - Jarmo Korkeamaki - Jarmo.Korkeamaki@hsl.fi

Significant portion of the other public transport location data is transmitted via the brokers operated by Contrasec and Profirator.
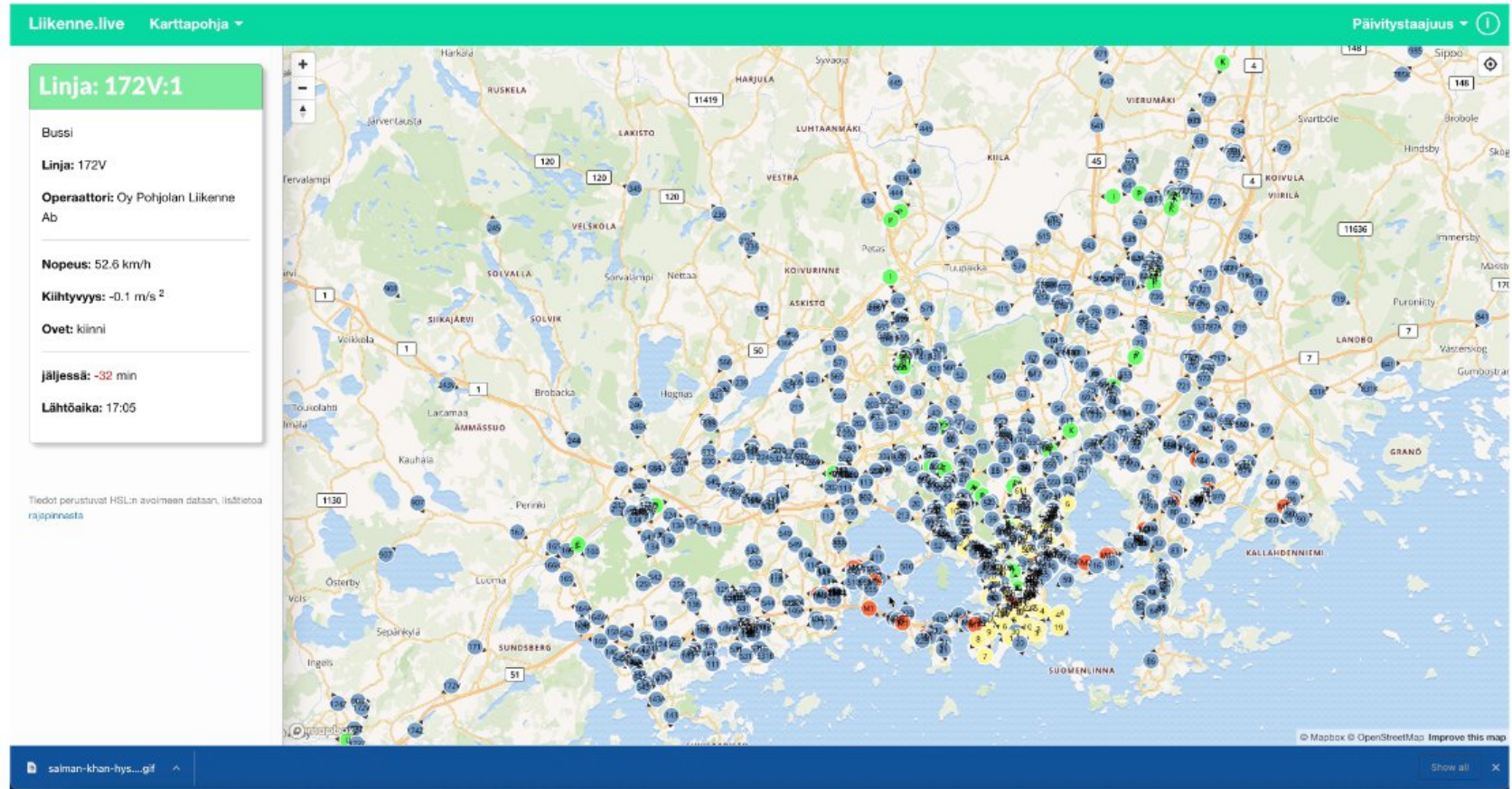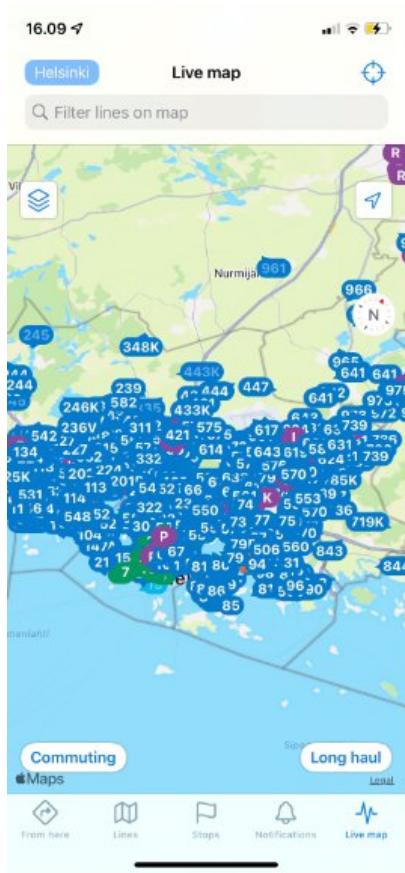
Impact: Make life easier for greater Helsinki area citizens by being data enabler for trip planning.

Project size: 250 k€

Duration: 2018-

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Many applications using HFP

Varala Enginering – Katuverkon tilannekuvan analysointityökalun toimittaminen

Hankkeen kuvaus

Katuverkon tilannekuvan analysointityökalun toimittaminen – projektissa kehitettiin kevyt ja helppokäyttöinen analytiikkakäyttöliittymä josta käy ilmi nopeasti ja helposti liikennemäärä risteyksissä. Konepellin alla tietoa otetaan liikennevalokojeiden REST rajapinnasta ja tuodaan se Node-Red integraation kautta Timescale tietokantaan. Tietokantaan muodostuu historiadataa, jonka pohjalta luodaan Grafana Analytiikkaa. Dataa voidaan pyöritellä jatkossa eri tavalla, mutta nyt keskityttiin helppokäyttöiseen ja ylläpidettävään visualisaatioon ja analytiikkaan.
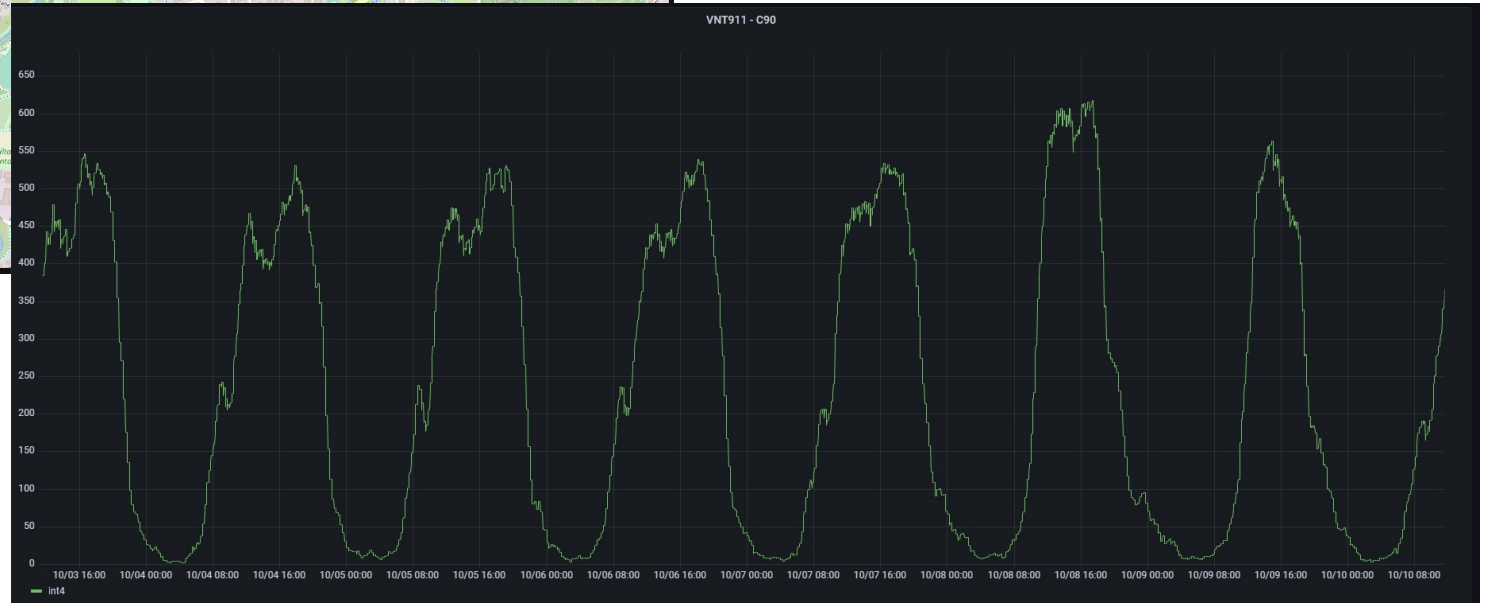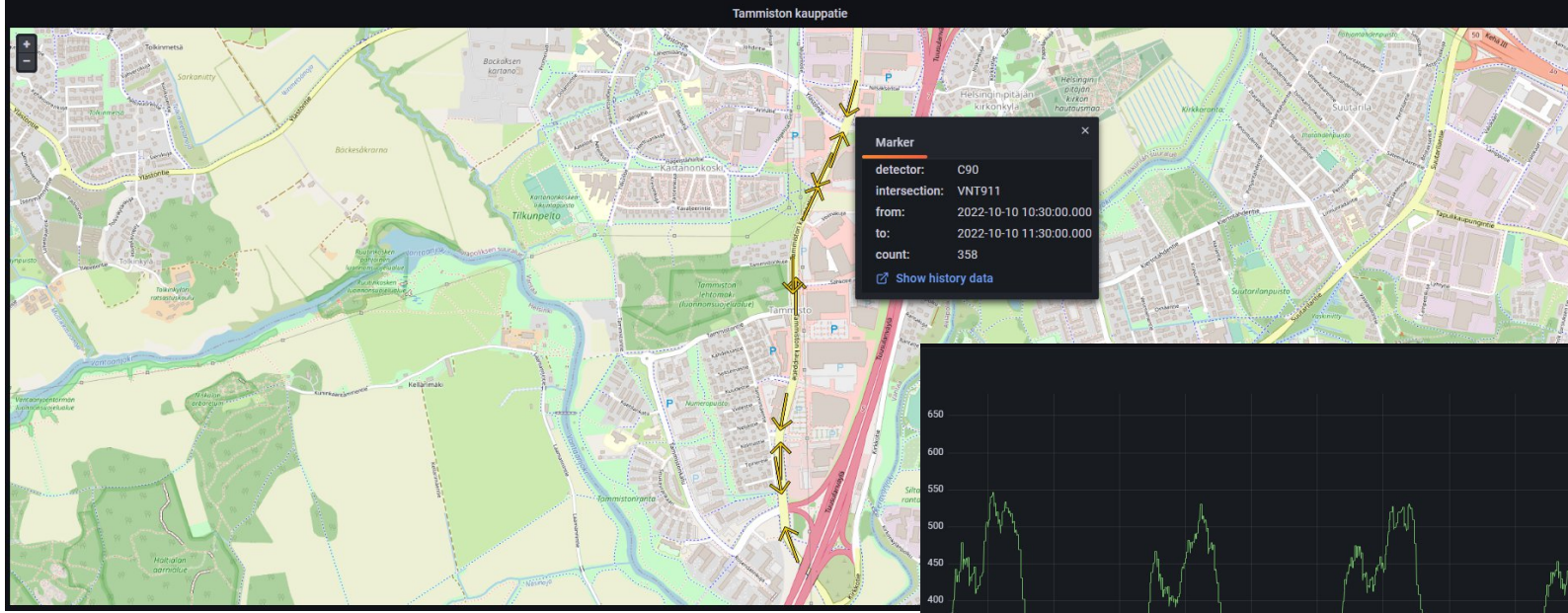
Yhteyshenkilö – Jukka-Pekka Alanissi

Vaikutus: Risteysten tila ja liikennemäärä yhdellä silmäyksellä.

Kesto: 06/2022 - 08/2022

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Varala Engineering – Katuverkon tilannekuvan analysointityökalun toimittaminen

References & partners

Profirator

Office in Tampere – Finland.

Focus on smart city, mobility and industrial IoT.

7 person strong.

Some references: Vienna, Kuopio, HSL, Paderborn

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Yhteystiedot

Ilari Mikkonen

COO

ilari.mikkonen@profirator.fi

+358 44 712 6866

Timo Häkkinen

CEO

timo.hakkinen@profirator.fi

+358 40 062 4341

https://profirator.fi

https://www.youtube.com/channel/UCMqPMiYePYnzG-KEuv82HZw

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