

# Smart City District of Helsinki

The new Kalasatama area of Helsinki is an innovation platform to co-create smart urban infrastructure and services.

Centrally located old harbour area is developed flexibly and through piloting, in close co-operation with residents, companies, city officials and other stakeholders.

The city and the enterprises use Kalasatama as their testbed to pilot large infrastructure solutions to be scaled up elsewhere. Smart Kalasatama Living Lab hosts *Innovators' Club* and *Programme for Agile Piloting* to engage stakeholders co-developing smart solutions.

Smart Kalasatama aims to be a world-class district of smart living, demonstrating how digital solutions embedded in urban infrastructure enrich everyday life and make it sustainable.

The vision of Kalasatama is to offer smart, time saving solutions and become so resource-wise that residents will gain one more hour of own time every day.

By the beginning of the 2030s, Kalasatama district will offer a home for about 20,000 Helsinki residents and jobs for 8,000 people. Currently, 2,000 people live in the area.

Co-creating smart solutions



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6 Aika



Leverage from  
the EU  
2014-2020



City of Helsinki

FORUM  
VIRIUM  
HELSINKI

# Kalasatama 25/7 Smart City District of Helsinki



## One more hour a day

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1. Digital health services and new practices are already being piloted to be part of the centre's future offering.
2. Eight tower blocks and Helsinki's biggest shopping centre REDI will form Kalasatama's centre and reshape the look of downtown Helsinki.
3. No need to keep your own car – residents of this house can use shared electric cars from their garage. Cheap, green and easy!
4. Planned and co-created by active seniors living in the house, this building offers 500m2 of shared spaces. It is the most digitalized building in the block.
5. During daytime a hub for new ways of teaching and learning supported by latest learning technologies. In the evening a meeting place for the citizens.
6. Smart metering and home remote control service. Residents can connect and operate their appliances with mobile devices wherever they are.
7. Sucked by a vacuum into underground pipelines, trashes whizz into the local waste management facility at a speed of up to 70 kilometres per hour.
8. Open garden free for anyone: fruit trees, berry bushes, edible mushrooms... Come and collect your own!
9. Helsinki's old, historical zoo aims to be smart and carbon neutral. Kalasatama's school plans to use Korkeasaari as its experimentation platform.
10. Finnish technology innovation for creating waves in natural waters. Brings art, city life, design and surfing into one urban set-up. Cancel your flights to Thailand!

# Explore Smart Kalasatama



**11.** Old abattoir area is a lively venue of events, new business and food culture. It is a place for students to learn entrepreneurial skills and test their ideas in real-life context together with local businesses.

**12.** The Living Lab, run by SRV construction company, showcases and simulates future home concepts and tower house living, testing them with residents.

**13.** This old power plant produces culture nowadays. It hosts the world-known Flow Festival and various other cultural actors.

**14.** Suvilahti solar power plant is the largest one in Finland. Customers were crowd-funding the panels and receive the solar power produced by their designated panel.

## Smart infrastructure in the area



**Smart Grid**  
The smart energy grid supports electric vehicle use, new energy storage facilities, and energy efficient building automation as well as local energy production.

**Kalasatama Smart Space Share**  
The smart space share pilot aims to provide all available room to be utilized by the citizens for work, play and leisure, just as Airbnb does.

**Fisuverkko**  
Resident portal saves each apartment's construction and renovation documents, plus shares news on what's happening in Kalasatama.

**Internet of Things & MyData**  
Many Internet of Things solutions are tested in Kalasatama. Combined with personal data they enable personalized services and customized solutions.