



Delivering tools

To nearby construction sites with an ADV



This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No. 101069782



Content



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01.

Introduction of
URBANE and
piloting at FVH

02.

Case: deliveries
for construction
sites

03.

Lessons learned
and insights for
the future



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Satu Reijonen

Project manager of Helsinki operations in
URBANE at Forum Virium Helsinki



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Introduction

Forum Virium Helsinki is a non-profit innovation agency owned by the City of Helsinki. **URBANE** is an EU Horizon funded project embracing the collaboration between different stakeholders to tackle the last-mile problem.



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Case: Delivering tools for construction sites

Operations between May - August 2023.
Fleet consisted of an ADV and a cargo bike which
located in a container placed in the Würth Center
Sörnäinen in Kalasatama district.

Preparations started in autumn 2022.



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Case: for co

Operations
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Preparatio



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Breakdown of the pilot



What went well?

Successful deliveries, positive feedback, robot caught positive attention among residents

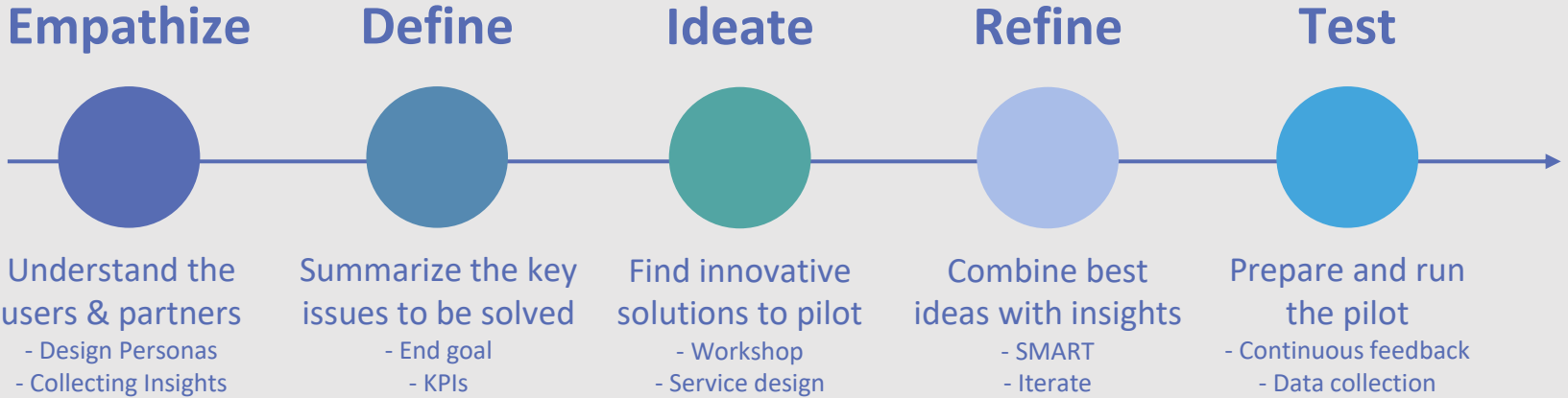


What to improve?


Manual data entry, communication, engagement, marketing, value proposition



How to do things differently?



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“Even though the pilot didn’t go exactly as we planned, we are happy that we participated because of the learnings we received.”

— Würth Center Sörnäinen

The 2nd iteration

B2B and B2C, higher demand, parcel locker system, automated integration, communicating with end users in Finnish, media visibility, Christmas...



Good News from Finland
15,278 followers
1d · 🌐

The City of Helsinki is trialling an autonomous robot as a last-mile delivery option to help to manage the holiday shipping rush.

Next spring, the city will seek to increase co-operation with various courier services to optimise the delivery routes and improve resource efficiency.

Read more here [helsinginsanomat.com](#)

Helsingin kaupunki · Tampereen kaupunki
#futureproof #good



Helsinki trials self-driving robot for last-mile delivery
goodnewsfinland.com ·

Steven Lopez · 2nd
strategic partnerships | keeping a pulse on current deli...
6d · 🌐

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👉 Santa Claus will be facing stiff competition this Christmas from a talking last-mile delivery robot bringing presents to residents in two parts of the Finnish capital of Helsinki.

eurotransport.de
5,530 followers
6d · Edited · 🌐

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Bewährungsprobe an Weihnachten: Der HeRo (Helsinki Robot) liefert Weihnachtspakete in den Stadtteilen Ruoholahti und Jätkäsaari aus. Dabei soll es aber nicht bleiben.

Reels

Hieman surumieliseltä näyttävä Hero on kuin liikkuva paketti-automaatti.

helsinginsanomat

Helsingissä testataan surumieliseltä...
Liked by emiliamanninen_ and 4.479 others

helsinginsanomat · Original audio

Helsingissä testataan surumieliseltä näyttävää robottia joulupakettien kuljetuksessa

Surusilmäinen robotti kuljettaa joulupaketteja Helsingissä.



Helsingissä voi joulukuussa törmätä veikeään robottiin, joka kuljettaa paketteja kotioville

HeRo-robotin avulla selvitetään, voisiko kuljetusrobotti vaikuttaa osaltaan älykkäämmän logistiikan tulevaisuuteen.

Kuuntele juttu 1:21



Conclusion for ADVs at construction sites

Understand the needs of the user:

- What do they like about their job
- What do they dislike in their daily life
- What could provide actual value for them

Would sorting and delivering the trash keep the site clean while ensuring safety and happiness of the workers? **Don't guess - ask and test.**



Thank you!

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Let's connect on LinkedIn!



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