

## Amsterdam eHUBS ready for use

DELIVERABLE 5.1

June 2022  
City of Amsterdam

## Summary sheet

<b>Project Name</b>	<b>eHUBS</b>
<b>Title of the document</b>	Amsterdam eHUBS ready for use
<b>Deliverable</b>	5.1
<b>Work Package</b>	T1 Pilot Demonstrations
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<b>Coordinator</b>	City of Amsterdam
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<b>Author</b>	City of Amsterdam
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<b>Number of months</b>	58

## Project partners

<b>Organisation</b>	<b>Abbreviation</b>	<b>Country</b>
<b>Gemeente Amsterdam</b>	AMS	The Netherlands
<b>Promotion of Operation Links with Integrated Services aisbl (POLIS)</b>	POLIS	Belgium
<b>Taxistop asbl</b>	Taxi	Belgium
<b>Autodelen.net</b>	Auton	Belgium
<b>Bayern Innovativ GmbH</b>	BI	Germany
<b>Cargoroo</b>	CA	The Netherlands
<b>URBEE (E-bike network Amsterdam BV)</b>	URBEE	The Netherlands
<b>Gemeente Nijmegen</b>	NIJ	The Netherlands
<b>Transport for the Greater Manchester</b>	TfGM	Great Britain
<b>Stad Leuven</b>	LEU	Belgium
<b>TU Delft</b>	TUD	The Netherlands
<b>University of Newcastle upon Tyne</b>	UN	Great Britain
<b>Ville de Dreux</b>	DR	France
<b>Stadt Kempten (Allgäu)</b>	Kemp	Germany
<b>Universiteit Antwerpen</b>	UAntwerp	Belgium
<b>Mpact vzw</b>	Taxi2	Belgium
<b>Mobipunt vzw</b>	Mobipunt	Belgium
<b>Electricity Supply Board</b>	ESB	Ireland
<b>The Highlands and Islands Transport Partnership</b>	HITRANS	Great Britain
<b>Service Public de Wallonie Mobilité et Infrastructures, Autorité Organisatrice du Transport</b>	SPW MI, AOT	Belgium

## Document history

Version	Date	Organisation	Main area of changes	Comments
<b>0.1</b>	September 2020	City of Amsterdam	Partial first draft	
<b>1</b>	28 June 2022	City of Amsterdam	Final version	

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## 1 Description per eHUB

Below you will find the eHUBS location, the technical requirements of the eHUB, the kind and number of vehicle's that can be found in the eHUB and the date of deployment.

eHUBS's location	Technical requirements	Vehicles per eHUB	Date of deployment
<b>Frans Hals buurt // Daniël Stalperstraat 28</b>	Installed an elevated platform due to the uneven pavement (3x3 meter, with bike/cargobike marking on the surface and staple rack for bikes) and placed a BuurtHub sign	2 bikes offered by Urbee and 1 cargobike offered by Cargoroo	November 2020
<b>Frans Hals buurt // Gerard Douwstraat 13</b>	Installed an elevated platform due to the uneven pavement (3x3 meter, with bike/cargobike marking on the surface and staple rack for bikes) and placed a BuurtHub sign	2 bikes offered by Urbee and 1 cargobike offered by Cargoroo	November 2020
<b>Frans Hals buurt // Quellijstraat 39</b>	Installed an elevated platform due to the uneven pavement (3x3 meter, with bike/cargobike marking on the surface and staple rack for bikes) and placed a eHub sign	2 bikes offered by Urbee and 1 cargobike offered by Cargoroo	November 2020
<b>1 Watergraafsmeer // Johannes van der Waalstraat 81</b>	2 EV meerdelen 1 cargobike Cargoroo	2 EV meerdelen 1 cargobike Cargoroo	March 2022
<b>2 Watergraafsmeer // Max Planckstraat 29</b>	Two parking spots 1 EV 1 Cargobike	1 EV meerdelen 1 cargobike Cargoroo	March 2022
<b>1 Elzenhagen // J.H. Hisgenpad 2</b>	Placed eHUBS sign and marking on the ground	1 EV offered by ShareNow	December 2021
<b>2 Elzenhagen // J.H. Hisgenpad 400</b>	Placed eHUBS sign and marking on the ground	1 cargobike offered by Cargoroo, 2 e-mopeds offered by Check and 4 e-bikes by Deelfiets Nederland. The e-bikes haven't been placed due to delivery problems.	December 2021
<b>1 Chassebuurt // Chasséstraat</b>	Placed ehubs sign and marking on the ground	2 bikes offerend by Bondi, 1 cargobikes offered by Cargoroo and 1 e-mopeds offered by Felyx	April 2022

<b>2 Chassébuurt // M. H. Trompstraat</b>	Placed ehubs sign and marking on the ground	2 bikes offered by Bondi, 1 cargobike offered by Cargoroo and 1 e-mopeds offered by Felyx	April 2022
<b>3 Chassébuurt // Pieter van der Doesstraat</b>	Placed ehubs sign and marking on the ground	2 bikes offered by Bondi, 1 cargobike offered by Cargoroo and 1 e-mopeds offered by Felyx	April 2022
<b>Marineterrein</b>	Flagship eHub. The hub is sheltered and is combined with charging infrastructure for privately owned LEV's, includes a green wall and in the future solar panels will be placed on the roof.	Modes are provided by a vertical integrated MaaS provider called Hey. Ehub holds 4 bikes, 1 cargo bike offered by Cargoroo and 1 car	Oktober 2021
<b>Boelelaan 30</b>	Ehub includes 1 EV charging station (and another existing charge station). Placed ehubs sign and marking on the ground.	4 e-bikes offered by Bondi, 1 cargobike offered by Cargoroo, 2 EV's offered by Amber	December 2021
<b>Boelelaan 529</b>	Ehub includes 1 EV charging station. Placed ehubs sign and marking on the ground.	4 e-bikes by Bondi and 1 cargobike by Cargoroo. There were also plans to offer 2 biro's, but this was not possible due to the lack of charging options for small EV's.	December 2021
<b>Parnassusweg 126-128</b>	Ehub includes 1 EV charging station. Placed ehubs sign and marking on the ground.	4 e-bikes offered by Bondi, 1 cargobike offered by Cargoroo. There were also plans to offer 2 biro's, but this was not possible due to the lack of charging options for small EV's.	December 2021
<b>Osdorpplein</b>	eHUB is placed at 2 public parking spaces and includes a charging station. We placed a ehubs sign and marking on the ground and added extra markings in the surrounding area to indicate the eHUB.	2 e-bikes offered by Bondi, 1 e-moped offered by Felyx, 1 cargobike offered by Cargoroo and 1 EV offered by Amber	November 2021
<b>Science Park hubs // Carolina Macgillavrylaan 1672</b>	eHub is located across residential area and includes charging station. Placed ehubs sign and marking on the ground to indicate the eHUBs.	1 EV offered by Sharenow, 3 e-bikes offered by Bondi, 1 moped offered by Felyx and 1 cargobike offered by Cargoroo	April 2022
<b>Science Park // Carolina MacGillavrylaan 3066</b>	eHUB is located nearby trainstation. Ehub sign is placed and marking on the	3 e-bikes offered by Bondi, 1 moped offered by Felyx and 1 cargobike offered by Cargoroo	April 2022



	ground to indicate the eHUBs will be placed soon.		
<b>Science Park // Science Park 900</b>	eHUB is located nearby university entrance. Placed ehubs sign and marking on the ground to indicate the eHUBs.	4 e-bikes offered by Bondi, 2 mopeds offered by Felyx	April 2022



## 2 Photos of the eHUBS

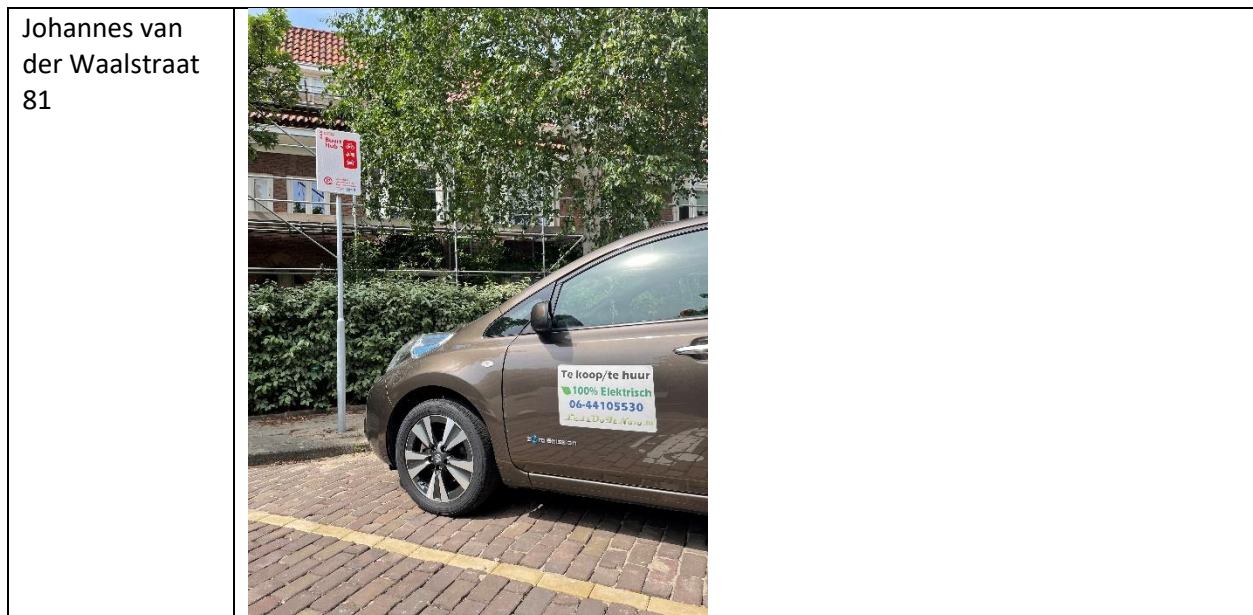
Photo('s) of the eHUB. One of the main outputs of the eHUBS project is to design and deploy/adapt 92 eHUBS in 6 pilot cities with in total 2,395 shared LEVs (Light Electric Vehicles) and 672 EVs (Electric Vehicles). Amsterdam has deployed 17 of the total 92 eHUBS realized by pilot cities.

### 2.1 Frans Hals eHUBS

<p>Quellijnstraat</p>	
<p>Gerard Doustraat</p>	



## 2.2 Watergraafsmeer eHUBS





Max  
Planckstraat 29



### 2.3 Elzenhagen eHUBS

J. H. Hisgenpad 2



J. H. Hisgenpad 400



## 2.4 Chassébuurt eHUBS

M. H. Trompstraat



Pieter van der Doesstraat



Chasséstraat





## 2.5 Marineterrein



## 2.6 Zuid eHUBS

Parnassusweg 126-128



Boelelaan 30



Boelelaan 529





## 2.7 Osdorpplein





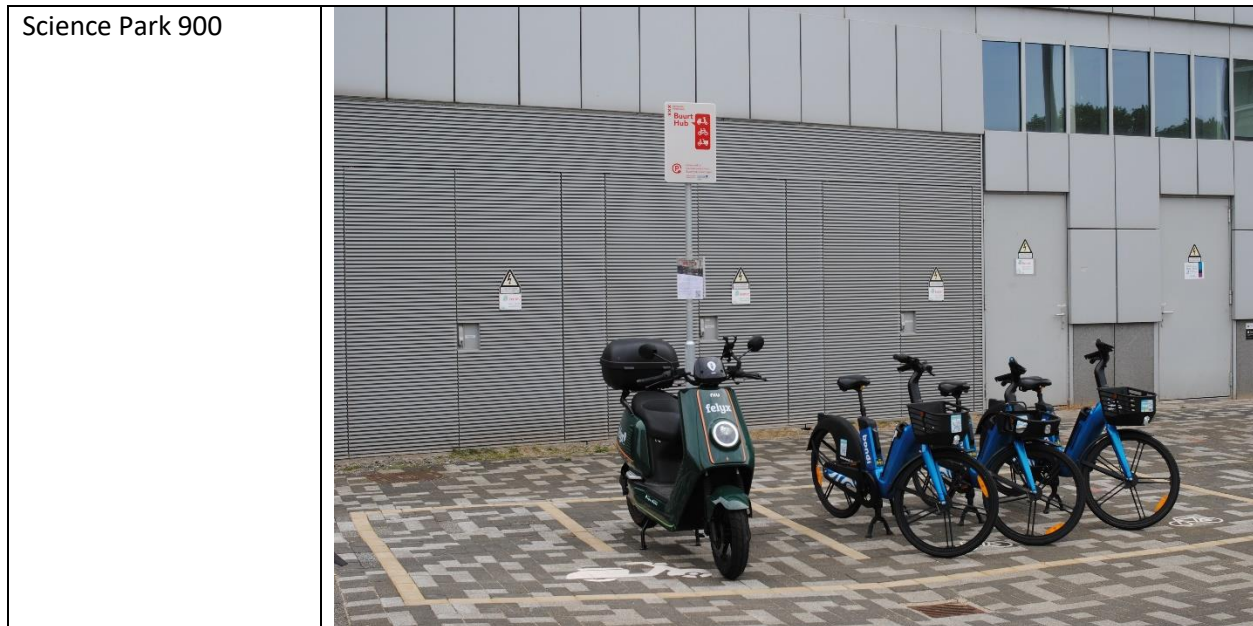
## 2.8 Science Park eHUBS

Carolina Macgillavrylaan 1672



Carolina MacGillavrylaan 3066





### 3 Development of eHUBS outside the project

The eHUBS project applied for an adjustment of previous policy, this not only provided the opportunity for the eHUBS project to take place in Amsterdam, it also allowed other pilots with shared mobility to start, or further be upscaled. These other pilots are an indirect effect of the eHUBS project. Due to these policy changes, the *eMoped Experiment* and the *Shared Bike Experiment* started in Amsterdam, as well as the further upscaling of the EV's in Amsterdam.

#### 2.1 eMoped Experiment

A total of 250 free floating Felix eMopeds and 350 free floating Check eMopeds were added to the baseline of 100 Felix scooters in the city. Some of these eMopeds were specifically allocated to the eHUBS.

#### 2.2 Shared Bike Experiment

A total of 100 station based Cargoroo cargo e-bikes and 50 station based Urbee shared e-bikes were deployed in the city. This adding up to the numbers that were deployed in the eHUBS.

## 2.3 Upscaling of EV's

A total of 590 EV's were added to the free floating fleet in Amsterdam, consisting of Share Now EV's (previously known as Car2Go) and Hyundai EV's. These are adding up to the numbers that were deployed in the eHUBS and the baseline (400 EV's).

## The eHUBS Consortium

The consortium of eHUBS consists of 15 partners with multidisciplinary and complementary competencies. This includes European cities, leading universities, networks and electric and shared mobility providers.



For further information please visit <http://www.nweurope.eu/ehubs>



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