



# MOBILITY FOR MORE **LIVEABLE** URBAN SPACES

Highlights Report 2024

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# Foreword

On July 22, 2024, as the world experienced its hottest day in recorded history, Paris was setting the stage for an Olympic Games like no other.

The 2024 Paris Olympics placed an unprecedented emphasis on social and environmental sustainability, bringing the importance of creating liveable, enjoyable urban spaces to the world stage. The sizable investments in public space introduced over 60 kilometres of bike lanes, connecting iconic Parisian landmarks through zero-emissions transport. More than 80% of the event's budget was directed toward redeveloping Seine-Saint-Denis, with long-term plans to convert the Olympic Village into 2,800 housing units for 6,000 residents. Never before has the strength of the public realm and sustainable transportation been more central to the Olympic vision.

These shifts in mindsets and priorities are crucial to not only halt the acceleration of climate change, but also to adapt to its current realities. These solutions cannot be sought alone. As such, EIT Urban Mobility aims to facilitate connections between industry leaders, startups, scale-ups, researchers, academic institutions and public entities. Through collaboration across industries and sectors, real change can be made.

This report offers just a glimpse of the projects, initiatives and investments we have managed or participated in over the past year. As we look ahead to future challenges, we also celebrate the milestones of our past. Marking our five-year anniversary, we reflect with gratitude on the many partnerships we have forged along the way. We eagerly anticipate many more years of fruitful collaboration – accelerating the transition to sustainable urban mobility and creating more liveable spaces – together.

**Dr. Maria Tsavachidis**

**Chief Executive Officer, EIT Urban Mobility**

# ACCELERATING THE URBAN MOBILITY TRANSITION

The world is in the midst of a climate emergency.

**To meet the objectives of the European Green Deal, emissions need to be cut 55% by 2030, and net zero achieved by 2050. To do so, we need to embrace a new paradigm that includes radically changing how we move and live in cities.**

Many innovative solutions to achieve sustainable urban mobility already exist, yet their widespread adoption is often slow. As Europe's leading network for transport innovation in cities, our mission is to catalyse uptake and accelerate the transition to sustainable urban mobility and more liveable urban spaces.

EIT Urban Mobility is an initiative of the European Institute of Innovation and Technology (EIT), a body of the European Union. EIT was created in 2008 to strengthen Europe's ability to innovate and is an integral part of Horizon Europe, the EU's Framework Programme for Research and Innovation. The EIT Community is made up of nine Knowledge and Innovation Communities (KICs) with the goal of bringing together education and research organisations with startups and businesses, to form dynamic cross-border partnerships. As part of the broader EIT Community, we have access to the largest European innovation network. We collaborate with the other EIT KICs on common initiatives to drive change through innovation and entrepreneurship. We also align with EU-level, national and local government transport and mobility strategies and are committed to making a positive impact on citizens' quality of life and the environment.

**We enable the partners in our community to speed up the transition to a decarbonised urban transport system through activities in four focus areas:**



## Match and connect

We bring together players from industry, research, academia and the public sector at local, national and European levels, to develop and deploy innovative solutions.



## Innovations to market

We support partners to develop, deploy and commercialise mobility products and services in real-life city environments. Our activities accelerate the innovations' time to market and scale their impact in European cities.



## Talent to business

We attract, foster and retain talent for Europe's green mobility transition by promoting entrepreneurship and innovation. We skill, upskill and reskill students, researchers and professionals.



## Startups to scale

We provide financial support to startups and provide them with services to grow quickly.

# THE LEADING EUROPEAN NETWORK FOR TRANSPORT INNOVATION IN CITIES

**EIT Urban Mobility is the largest European innovation community for urban mobility.**

We work closely with an extensive community of over 250 partner organisations, and we engage with a wider ecosystem of more than 1,000 stakeholders across Europe. We collaborate with our partners on local projects and initiatives and establish strong relationships with regional and city governments.

We are present across Europe and our five Innovation Hubs in Barcelona, Copenhagen, Amsterdam, Prague and Munich are the main points of contact for, and between, cities, innovators and educators.

We support regions and cities that have traditionally faced challenges to compete in the market through the EIT Regional Innovation Scheme (RIS).

**HEADQUARTERS: Barcelona**

**SOUTH: Barcelona**

**WEST: Amsterdam**

**EAST: Prague**

**CENTRAL: Munich**

**NORTH: Copenhagen**

## EIT Community Regional Innovation Scheme Hubs

- Albania
- Bulgaria
- Croatia
- Cyprus
- Czechia
- Estonia
- Outermost region France\*
- Greece\*
- Hungary
- Italy
- Latvia
- Lithuania\*
- Malta
- Montenegro
- North Macedonia
- Poland
- Portugal
- Romania\*
- Serbia\*
- Slovakia\*
- Slovenia
- Spain
- Türkiye
- Ukraine

\*Deployed 2025





## CREATING IMPACT IN CITIES ACROSS EUROPE

We are committed to making a positive impact on citizens' quality of life and the environment. Our work has a real impact on society as we support innovations that repurpose road space to create green and blue space for citizens while also encouraging emission-free, safe, affordable, and inclusive solutions.

We are unique in implementing and supporting initiatives where cities and innovators test, pilot and scale up new solutions. Since 2020, our partners have implemented more than 290 pilots in over 140 cities.

## INCREASING IMPACT AND RELEVANCE THROUGH STRONG COLLABORATION

**EIT Urban Mobility consolidates several high-level partnerships to further common goals on key policies, regulations, initiatives and strategies relating to a greener, safer mobility system in Europe.**

### With the European Commission:

- As members of the **European Commission's Expert Group on Urban Mobility** we have contributed to the final recommendations in key working groups such as public transport and shared mobility, future of urban mobility and urban space, and the Social Climate Fund guidelines.
- We signed the pledge to support the **Transition Pathway for the EU Mobility Industrial Ecosystem**, a dynamic roadmap supporting the green and digital transition of the mobility ecosystem.
- During the **Connecting Europe Days** in Brussels, we united with 45 transport organisations to advocate for an increased budget for transport and a strengthened Connecting Europe Facility in the upcoming EU programming period.
- We contributed to the **European Road Transport Research Advisory Council (ERTRAC)** roadmap, uniting road transport stakeholders to craft a shared European vision for transport research and innovation.
- As members of the **Intelligent Cities Challenge Advisory Board** we support European cities in driving the green and digital transition of their economies, through Local Green Deals.

### With key stakeholders, amongst others:

- We signed numerous Memorandums of Understanding in the past year, including with:
  - **Microsoft**, to leverage their expertise to accelerate innovation in urban mobility solutions, addressing the evolving challenges cities face in Europe.
  - **ID4Mobility**, a French hub for intelligent and sustainable mobility, to enhance urban mobility innovation and impact across France.
  - **MOST**, the Italian National Center for Sustainable Mobility, in order to foster a growing market for sustainable and innovative mobility solutions.
  - **TTS Italia**, the Italian Association for Intelligent Transport Systems, to strengthen the local innovation ecosystem and support Italian cities in their transition to sustainable mobility.
  - **Lindholmen Science Park** in Gothenburg, to continue strengthening the collaboration between EIT Urban Mobility and important Swedish innovation programmes such as Drive Sweden, ASTER and CLOSER.
  - **Prague Innovation Institute**, with the aim to support the development of Prague's innovation ecosystem and strengthen connections among entrepreneurs, the education sector and public administration.
  - **CIVINET Czech and Slovak Republic**, to strengthen the competitiveness of companies based in the region and promote sustainable mobility.

# 25,000+

visitors to Tomorrow.Mobility World Congress 2023, our flagship event

# 400+

solutions showcased on our Mobility Innovation Marketplace



# 32,000+

learners enrolled in Urban Mobility Explained (UMX) courses

# 4.7M+

views on UMX YouTube channel



# 175+

innovation projects supported since 2020

# 200+

new solutions introduced to the market since 2020



# 440+

startups supported

# €250M+

of investment raised by startups in our portfolio



## CORE TOPICS

Our programmes support our vision of creating more liveable urban spaces. By fostering innovation and transformation, we can improve people's quality of life, decarbonise mobility and make Europe's economy more competitive.

To achieve these goals, we focus on twelve different sectors in which we believe our community has the greatest potential to innovate and create impact:

### 1 PUBLIC TRANSPORT



### 2 HEALTH AND MOBILITY



### 3 ELECTRIFICATION OF TRANSPORT AND ALTERNATIVE FUELS



### 4 MOBILITY DATA MANAGEMENT



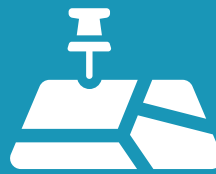
### 5 PUBLIC SPACE DESIGN



### 6 URBAN VEHICLE ACCESS REGULATIONS (UVAR)



### 7 MOBILITY PLANNING



### 8 URBAN LOGISTICS



### 9 NEW MOBILITY SERVICES



### 10 COOPERATIVE, CONNECTED AND AUTOMATED MOBILITY (CCAM)



### 11 ROAD SAFETY



### 12 PARKING AND CURB SIDE MANAGEMENT





# CONNECTING LOCAL, REGIONAL AND EUROPEAN ECOSYSTEMS

**We match and connect players from industry, research, academia and the public sector at all levels of governance to develop and pilot innovative solutions.**

## Knowledge exchange

Events like the Tomorrow.Mobility World Congress (TMWC), our annual flagship event co-organised with Fira de Barcelona, provide a valuable place for our partners to connect, share insights and explore the latest trends in the urban mobility sector. City members, private sector representatives and partners from research and education can engage with relevant stakeholders at tailored sessions, workshops and side events. The 2023 edition of TMWC attracted over 25,000 attendees from 140 countries and over 800 different cities.

## Future mobility studies

EIT Urban Mobility's future mobility studies combine the expertise of our community and cutting-edge transport research. Drawing on a range of different fields, the studies are data-based and provide recommendations on topical urban mobility issues. These insights are shared with the urban mobility community through dedicated events. Importantly, these studies have engaged 60 partners from across 15 European countries. With over ten available studies, some highlights include "±15-minute city: human-centred planning in action" and "Costs and benefits of the urban mobility transition", amongst numerous other prominent urban mobility topics.

## Special Interest Groups

Our Special Interest Groups (SIGs) serve as thematically focused groups gathering EIT Urban Mobility partners and external experts to discuss crucial issues and challenges in the urban mobility industry. Thought leaders from various disciplines convene at roundtable meetings and expert workshops, fostering idea exchange and deeper insights into best practices and practical use cases to tackle mobility challenges in European cities. The current SIGs are on mobility data management, electrification of transport and alternative fuels, public transport, and urban logistics.

## Mobility Innovation Marketplace

The Mobility Innovation Marketplace is a comprehensive digital platform showcasing 400+ market-ready mobility solutions offered by innovative entities. Additionally, EIT Urban Mobility is part of a consortium of 10 partners running the EU's Smart Cities Marketplace for enhanced matchmaking, knowledge base building and dissemination, which will increase the opportunities of our Marketplace users.

## Access to non-EIT funding

Horizon Lab is an initiative that supports and expands the financial and strategic value for EIT Urban Mobility's community by targeting external funding from national and EU programmes. Horizon Lab helps our partners navigate access to external funding and form consortia to bid on long-term, large-scale projects.

## The projects held in 2024:

**NetZeroCities** – Supporting the EU's mission of 100 climate-neutral and smart cities by 2030

**UPPER** – Unleashing the potential of public transport in Europe

**CIVITAS MUSE** – Boosting the impact of CIVITAS Community activities on sustainable urban mobility policy

**BatteReverse** – Enabling the next generation of battery reverse logistics

**TRANS-SAFE** – Promoting radical transformation of road safety in Africa

**UNCHAIN** – Anticipating urban freight generation and demand through digitalisation

**URBANE** – Developing green last-mile delivery solutions and city learning

**WeGenerate** – Co-creating people-centric sustainable neighbourhoods through urban regeneration

**ReAdjust** – Tackling inequalities in the green and digital transitions

## EDUCATION AT EVERY STAGE AND AGE!



**We attract, foster and retain talent in the European urban mobility sector by upskilling and reskilling students, researchers and professionals, while also promoting innovation and entrepreneurship in higher education institutes.**

### **Educating the next generation of urban mobility entrepreneurs**

With three double-degree Master's programmes on urban mobility and the recently launched Master-level fellowship programmes on innovation and entrepreneurship, our Master-level portfolio combines technology and technical knowledge with practical experience. Students benefit from challenge-based learning, summer schools, internships and projects.

### **EIT Urban Mobility Doctoral Training Network brings together 100+ urban mobility researchers**

This EIT-labelled hands-on innovation and entrepreneurship programme brings together leading European universities to bridge the gap between PhD research and practical implementation. PhD candidates in urban mobility can connect with international peers and build connections with industry, city governments and international mobility providers through global placements.

### **Professional learning to upskill and reskill urban mobility professionals**

Our professional learning school provides multi-disciplinary, cross-organisational learning experiences and EIT-labelled courses for urban mobility professionals. Through Urban

Mobility Explained, learners can deepen their knowledge with a diverse range of customised training and courses developed in collaboration with renowned practitioners and academic partners.

### **Education capacity building driving change**

Our work includes projects and initiatives that build and strengthen education capacity, infrastructure and collaboration frameworks. We deliver and support educational activities that raise awareness and provide essential skills in innovation and entrepreneurship in urban mobility. Additionally, we lead the delivery of Regional Innovation Scheme (RIS) and EIT Community education projects.

### **Urban Mobility Consultancy**

The Urban Mobility Consultancy boasts a remarkable pool of doctoral students and recent graduates from EIT Urban Mobility's programmes specialised in the fields of urban mobility, sustainability and energy. Our consultants provide insights and develop customised solutions tailored to the needs of cities, startups, SMEs and other organisations aiming to innovate.

### **EIT Urban Mobility launched the first EIT EdTech Conference**

The EIT EdTech Conference was hosted in January 2024 in Brussels, Belgium, by EIT Urban Mobility and the EIT Community. The event brought together EdTech stakeholders from across Europe, drawing attendance from higher education institutes, private sector companies and public policy. The invite-only event mixed co-creation and ideation, engaging participants in discussions to set future roadmaps for EdTech in Europe. The event will be hosted again in March 2025.

# NEW SOLUTIONS TRANSFORMING URBAN MOBILITY

**EIT Urban Mobility supports the development and validation of innovative mobility solutions by running pilots, accelerating time to market and scaling impact in European cities.**

For cities, pilots offer multiple benefits, including accelerating rollout, increasing public adoption and shaping policies that promote behavioural change. By engaging citizens in pilots for close-to-market innovations, partners can gather user-driven feedback, make adjustments and assess overall impact. Since 2020, over 290 pilots have been implemented across more than 140 European cities, leading to long-term collaborations, growth for private sector partners and the integration and scaling of viable solutions within cities' mobility strategies.

## **Agile innovation pilots with cities and businesses**

The Rapid Applications for Transport (RAPTOR) programme is a competition for startups and SMEs to create and test solutions that address niche urban mobility challenges. Winners receive financial support, customised mentoring sessions and the opportunity to work closely with host cities for live testing. In 2024, the programme launched 13 pilots addressing a variety of topics, including active mobility for seniors, mapping accessible pathways, monitoring CO2 levels in low emission zones and conducting traffic safety analyses. The 2024 RAPTOR cities included Bacau, Brasov, Brussels Capital Region, Fingal County, Ghent, Graz, Helsinki, Konya, Kosice, Las Rozas de Madrid, Liepaja, Vila Nova de Gaia and Vitoria-Gasteiz.

Additionally, Business RAPTOR was launched in 2024, featuring an exciting open innovation project with Google focused on mobility data management for cities.

## **Accelerating market opportunities**

The SME Market Expansion Call strengthens the European urban mobility sector by supporting small and medium-sized enterprises (SMEs) to grow and enter commercial relationships with cities, transport operators, logistics and mobility providers, ultimately contributing to job creation. In 2024, 13 pilots were implemented with the following companies: DeepVolt, Parkunload, Tomatiq, Hygggle, Don Cicleto, Moby Bikes, Inteliports, VivaDrive, Hopper, Reserve&Charge, SurplusMap, Coding the Curbs and Sparkpark.





# DRIVING CONNECTIONS AND MOBILISING INVESTMENTS



**As Europe's top investor in European mobility startups, EIT Urban Mobility provides accelerator programmes, access to funding and support channels to create financial, environmental and social impact.**

## Support programmes for startups

Our Accelerator, Scale-up and Investment Readiness Programmes support founders to take their startups at whatever stage to the next stage of development. Thanks to our strategic alliances with leading ecosystems, we offer targeted internationalisation opportunities.

## Impact investment

We invest in startups that demonstrate the potential for positive social and environmental impact, as well as strong return on investment. We assist with securing funding and concrete opportunities through EIT Urban Mobility's network of cities and investors.

## Investing in gender-balanced, diverse startups

We actively seek gender-balanced startups. In addition to ensuring that more women are included in our programmes and portfolio, we support women to become investors and match aspiring female founders with mentors through the EIT programme Supernovas.

## The leading community for urban mobility startups

The Startups Growth Lab community gathers funding opportunities, calls for projects with cities, the latest sector news, connections with peers in the sector, events, educational content and more. Furthermore, the easy to use platform helps urban mobility founders simplify their work life and stay focused on their businesses by providing everything they need in one centralised place.

## Mobility Corporate Venture Builder

The Mobility Corporate Venture Builder focuses on creating startups with a mission of innovation and a deep focus on sustainability, impact, inclusivity and gender equality. Our objective: launch the next generation of European high-growth urban mobility companies and create a link with corporate players who embrace open innovation in many forms.

## Scaling through a pan-European network

We provide access to funding services connected to a pan-European network of investors focused on more mature investments, particularly Series A funding. This network provides startups with the opportunity to grow and scale.

## Strategic alliances with leading startup ecosystems

We create impactful collaborations with leading players in the top-performing startup ecosystems, within the mission of accelerating urban mobility innovation across Europe. Based on our 'Network Approach to Venture Capital' we are creating a network-of-networks to support our equity portfolio companies in their growth and to build bridges between the EU and those ecosystems.

## Our startup network consists of:

- **Moove Lab** - France's leading mobility startup accelerator based at Station F, the world's biggest startup campus
- **8200 Impact and CityZone**, the city of Tel-Aviv's startup incubator - To nurture connections with Israel's vibrant startup ecosystem
- **Micromobility Industries, Europe and America** - To accelerate micromobility adoption in our cities
- **Impact Loop** - To increase awareness and consolidate the startups and investors community around topics of impact investments in Sweden and the Nordics
- **The State of the European Mobility Startups** - An extensive pan-European research and knowledge project by Via ID and Dealroom, to learn about trends, data and investment opportunities in the mobility landscape



# PANTOHEALTH IS RESTORING RAIL TRANSPORT'S REPUTATION

**PANTOhealth quickly predicts and identifies railway faults and schedules maintenance, resulting in fewer delays, happier passengers and a win for the planet.**

As Europe forges ahead with its plans to drastically reduce emissions, rail transport has taken centre stage thanks to its comparatively low carbon footprint.

However, while the EU may wish to promote rail, it is the citizens who choose their mode of transport. Rail travel in Europe is often plagued by delays as a result of ageing infrastructure, meaning that improving the reliability and punctuality of trains is a must.

Taking on the challenge is Berlin-based tech startup PANTOhealth, which aims to ensure that even the most demanding of passengers will choose rail. Its AI-driven 'predictive maintenance' approach aims to predict, locate and prevent faults before they cause a delay. By blending software with hardware, like cameras for real-time monitoring, the team can simulate multiple scenarios and even choose the best time to carry out maintenance.

In addition to improving passenger experience, PANTOhealth is reducing costs and increasing sustainability for Europe's railways. As predictive maintenance can increase the lifespan of expensive rail elements, this in turn reduces demand for raw materials such as copper.

As a portfolio startup of EIT Urban Mobility, PANTOhealth has seen great success in recent years, most recently by landing a six-digit seed round at the end of 2023. Co-founder Mina Kolagar explains that, as an investor, EIT Urban Mobility helped open doors for the startup, introducing it to potential users in markets such as Spain.

Today, PANTOhealth is working with 10 partners across the EU and the team plans to use the fresh funding to scale up its operations, moving one step closer to its goal of transforming the future of Europe's railways.

EIT Urban Mobility is one of our key investors,

and with their support, we aim to connect with innovation managers across European cities.

– Mina Kolagar, Co-founder, PANTOhealth



# DREAMWAVES GUIDES PEOPLE WITH VISUAL IMPAIRMENTS THROUGH CITIES

**The waveOut app is transforming daily commutes while enhancing public safety, promoting physical and mental well-being, and reducing costs.**

Whether it's commuting to work or meeting friends, moving around cities is part of everyday life. But for blind and visually impaired people, preparing for any kind of journey can be a struggle. The constant effort and detailed planning required to navigate independently often leads to fatigue and frustration. Over time, people can burn out, ultimately affecting their physical and mental health, social integration and ability to work.

Technologies for guiding the visually impaired have until now presented their own challenges. Bluetooth transponders require costly installation and maintenance, making scalability difficult, while GPS struggles to be accurate in underground stations. Thankfully, Austrian startup Dreamwaves has the answer.

Its pioneering waveOut app helps people to see the world, but through their ears. Users are guided to different waypoint markers by following a drum-like sound they hear through headphones, then a 'ding' on arrival. "It's like a trail of breadcrumbs leading you along," explains Dreamwaves' CEO Hugo Furtado.

Where other technologies fall short, waveOut excels by pinpointing the user's location with centimetre-level accuracy. It captures images of the surroundings, creating detailed 3D maps through computer vision, and pairs this data with the user's chest-mounted camera phone, leaving their hands free. This guarantees precise, real-time guidance at all times. Even in crowded environments, Visual-Inertial Odometry processes camera images to accurately track movement, ensuring uninterrupted service.

Dreamwaves' impact has already garnered significant recognition, winning first prize in the European Investment Bank Institute's Social Innovation Tournament in 2022. With support from the EIT Urban Mobility's SME Market Expansion Call, the team was able to scale up and pilot their solution with Vienna's public transport authority from June to December 2023. Now, as part of EIT Urban Mobility's investment portfolio and participants of RAPTOR 2024, Dreamwaves is set to launch another pilot, this time in Helsinki, Finland.

Thanks to EIT Urban Mobility's support, we had a very successful pilot with Vienna's public transport company.

After the pilot ended we had a market-ready product, and it is the foundation of our commercial offer today."

– Hugo Furtado, CEO, Dreamwaves



# KAROS MOBILITY TRANSFORMS COMMUTING WITH AI-DRIVEN CARPOOLING



**This easy-to-use app matches drivers and passengers based on geolocation data and user preferences, saving significant carbon emissions.**

You've likely heard of carpooling, but have you heard of carpooling for daily work commutes? The journey to and from the workplace is one that quickly adds up in terms of economic cost and environmental footprint, but luckily French startup Karos Mobility has a solution.

With a user base of over one million people across France, Denmark and Germany, Karos Mobility's intelligent carpooling app is already well on its way to making a difference. Both drivers and passengers can easily find a match by inputting their direction of travel and personal preferences, such as how far passengers are willing to walk. While drivers are reimbursed per passenger and can access the app for free, passengers benefit from convenient rides at the times they need.

Since its founding in 2014, the startup has enabled 8,000 journeys and saved 13,000 tonnes of carbon emissions. Looking to expand this impact further across the continent, Karos Mobility recently took part in EIT Urban Mobility's SME Market Expansion

Call 2023 (formerly known as the Small Call for SMEs). By piloting their solution in the Spanish city of Vitoria-Gasteiz, the team was able to positively impact the travel habits of 40,000 commuters who travel daily from the city centre to industrial estates.

As a result of the six-month pilot and collaboration with the municipality, Karos Mobility's easy-to-use app facilitated over 5,000 carpooling journeys and saved over 7.6 tonnes of carbon emissions. These savings, measuring roughly the same as the manufacturing of 249 mobile phones, have allowed this French startup to not only successfully enter the Spanish market, but also light the way for cultural change in other European cities.

**"We are very satisfied [with the SME Market Expansion Call]."**

**I would certainly recommend companies participate because EIT Urban Mobility has helped us a lot to develop a new project.**

**– Julien Chemin, Project Manager, Karos Mobility**





## HANDS-ON STUDY TRIP PREPARES PARTICIPANTS FOR A FUTURE WITH AUTONOMOUS VEHICLES

**Participants travel to gain insight into emerging trends that could soon reach Europe, helping them to prepare for the legal, social and infrastructural challenges ahead.**

From self-driving taxis in Los Angeles, to delivery robots in Beijing, autonomous vehicles (AVs) are gradually making their debut across the globe. However you look at it, AVs are here to stay, with regulations already being put in place for widespread deployment in the coming years.

While the United States and China are currently leading the charge, Europe is keen to take its position in the global AV race. EIT Urban Mobility, in collaboration with Espaces-Mobilités, has developed a unique training programme for this purpose, aiming to help European stakeholders explore AV technology from multiple perspectives and better prepare for the technology's inevitable rollout.

"We find that when we talk to cities or authorities across Europe, they have many of the same issues and problems, but they do not communicate much with each other. That is why we want to bring participants together," explains Marco Fuliotto of EIT Urban Mobility.

Aimed at decision-makers, private firms and researchers, the programme offers a blend of online sessions and week-long study trips to leading AV centres to experience first-hand how AVs are being deployed around the world. During visits to hubs like San Francisco, participants benefit from hands-on learning and the opportunity to engage in conversations with key companies, notably Waymo, Cruise, Tesla, Google and NVIDIA, as well as with the public sector. Given the success of the trips so far, future editions are already being planned to several new destinations, including China and Norway.

**The Mobility Masterclass Study Tour in the US was an invaluable experience for our participants.**

**It offered a firsthand look at cutting-edge mobility solutions and fostered meaningful connections with industry leaders, but it also allowed Belgian transport practitioners to have time for high-level discussions.**

**– Xavier Tackoen, CEO, Espaces-Mobilités**



# A SELECTION OF OUR PROGRAMMES AND PROJECTS





**Partners involved:**

KTH Royal Institute of Technology  
(lead partner)

Aalto University,  
Universitat Politècnica de Catalunya, Technical University of Eindhoven, Tartu University, Ghent University, Universidade de Lisboa Instituto Superior Técnico, Technische Universität Braunschweig



## MASTER SCHOOL

### Combining innovation and entrepreneurship training with technology to train future urban mobility practitioners and entrepreneurs

Equipping students with the skills to lead change, we offer three challenge-based double-degree Master's programmes with a minor in innovation and entrepreneurship. The programmes cover various urban mobility topics: Sustainable Urban Mobility Transitions, Smart Mobility Data Science and Analytics, and the recently launched Business Engineering

in Urban Mobility. These programmes run in partnership with eight leading European universities and have enrolled 212 students to date. Students also participate in a two-week Summer School in two European cities, working on real-world challenges with industry professionals and city representatives.

**Partners involved:**

Technical University of Munich  
(lead partner)

Aalto University, Czech Technical University in Prague, Israel Institute of Technology Technion, Technische Universität Braunschweig, Universitat Politècnica de Catalunya, Universidade de Lisboa, University of Tartu, University of Ghent, Unternehmer TUM, Universidad Politécnica de Madrid



photo credit: Karine Van Acker

## DOCTORAL TRAINING NETWORK

### The EIT-labelled programme propels PhD candidates' innovation and entrepreneurship

The Doctoral Training Network (DTN) is a supplementary programme that supports PhD candidates in the field of urban mobility through extensive innovation and entrepreneurship education, international stays abroad of four to six months, and access to the DTN Annual Doctoral Forum. This flagship event brings together industry, cities and key players in

urban mobility and was hosted this year as the fifth Annual Forum at the University of Ghent. The network now includes over 113 PhD candidates from across Europe, and has led to the creation of the Journal of Urban Mobility, an open-access journal published by Elsevier with over 65 published articles and more than 87,000 downloads to date.

**Partners involved:**

Kimitisik, University of Tartu, Cleantech Bulgaria, Malta College of Arts, Science and Technology (MCAST), Project Aegle Foundation, Building Global Innovators (BGI), Technical University of Berlin, Polytechnic University of Bari, Ghent University, Université de Rennes 1, Humankind, Technische Universität München, Slovak University of Technology in Bratislava, University of Ljubljana.



## WINTER AND SUMMER SCHOOLS

### The challenge-based seasonal schools bring learners together year-round

We have expanded our learning offerings with short, seasonal schools that take a challenge-based learning approach, bringing together both Bachelor's and Master's level students. The Summer and Winter Schools provide immersive, in-person experiences, allowing participants to

explore a wide array of urban mobility topics. From street experiments to inclusive mobility, innovation and entrepreneurship, these programmes foster exploration and hands-on learning in critical areas of urban mobility.

**Partners involved:**

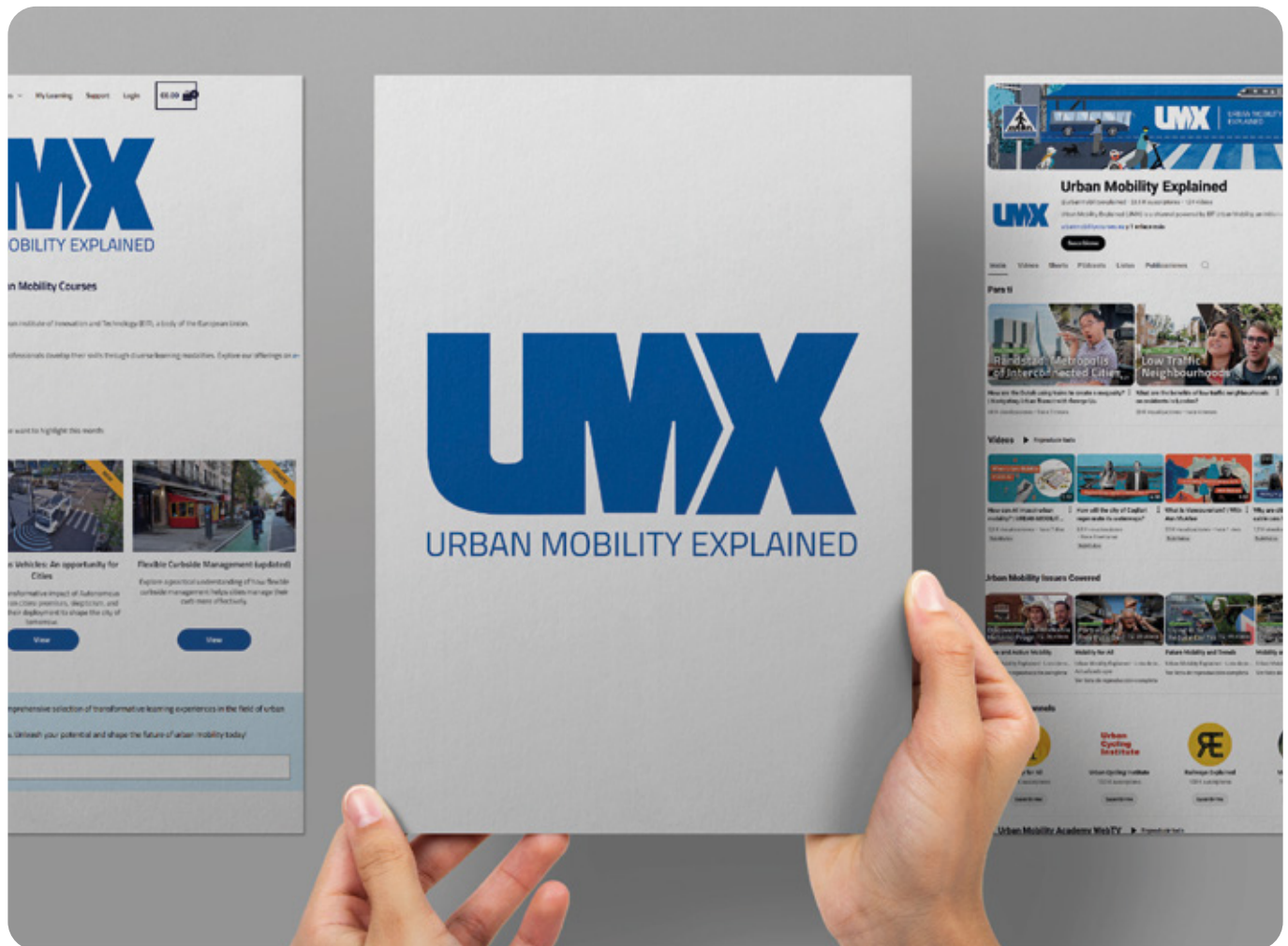
Humankind, Coding the Curbs, VUB Mobilise, Nudgd

## CITIZENS ON THE MOVE

### Second edition of Citizens on the Move puts training into action for a co-created future

The Citizens on the Move training programme strengthens the capacity of city governments to engage citizens and stakeholders in the sustainable mobility transition. It brings together civil servants from across Europe to address real case studies from their cities, while developing skills for their own projects.

Participants enhance their expertise and learn diverse citizen engagement strategies to drive greater public involvement. The programme specifically targets participants from Regional Innovation Scheme countries, aiming to boost innovation capacities in these regions.



## UMX – URBAN MOBILITY EXPLAINED

### Urban Mobility Explained streamlines access to urban mobility education for professionals

In 2024, Urban Mobility Courses applied learning programmes, e-courses, and its YouTube channel consolidated into one singular brand: Urban Mobility Explained (UMX).

This transformation was driven by the overwhelming response to our professional learning offerings. Since its launch in 2020, the UMX community has grown to include 32,000 participants across 50 online courses, resulting in a total of 7,000 course completions. Additionally, 1,200 learners have taken part in our applied learning programmes. Moreover, over 175 videos were produced in more than 60 cities for the UMX YouTube channel. To date, these videos have garnered 4.7 million views and attracted 24,000 subscribers to the channel.

The shift to UMX represents a strategic alignment aimed at providing a more seamless experience for learners and partners throughout Europe. An example of this is the Emerging Leaders programme, developed in collaboration with RMIT University. This six-month hybrid intensive for professionals in the public sector launched its first cohort in May 2024. Through these collaborations, UMX will continue to deliver on key topics like public transport, health and mobility, and mobility data management, among others.



### Partners involved:

EIT RawMaterials  
(lead partner)

EIT Urban Mobility,  
EIT Health, EIT Digital,  
EIT Manufacturing,  
EIT Climate-KIC,  
EIT Food, JA Europe,  
Brainshuttle



## GIRLS GO CIRCULAR

### Training and inspiring school girls to accelerate Europe's green and digital transition

The EIT Community project Girls Go Circular equips girls aged 14-19 across Europe with green, digital and entrepreneurial skills, breaking down gender stereotypes and empowering girls to become change-makers. The online learning programme engages secondary school girls in hands-on activities, inspiring them to tackle societal challenges. Since 2020, over 40,000 girls from more than 1,000 schools across

Europe have been trained through the Circular Learning Space, featuring 18 different modules in 24 languages. Every year a Student Challenge is launched, with finalist teams pitching their ideas at the Women and Girls in STEM Forum, a hybrid event uniting policymakers, industry leaders, students and teachers promoting gender equality in STEM.



### Partners involved:

EIT Urban Mobility  
(coordinator)

EIT RawMaterials, EIT  
Climate-KIC, EIT Digital,  
EIT Food, EIT Health, EIT  
Manufacturing



## EIT CAMPUS

### The go-to platform for digital learning helps provide necessary skills

With the increasing demand for life-long learning, driven by digital advancements and the climate emergency, the EIT Campus offers a one-stop shop for programmes in innovation, sustainability, entrepreneurship and technology. The platform features over 190 courses and attracted nearly

30,000 learners in the first half of 2024, with 8,500 redirected to EIT Community courses. Launched in June 2024, the EIT Campus Community provides access to networking, resources and unique opportunities.



**Lead partner:**

Factual

**Partners involved:**

Barcelona City Council,  
Clem, Hermeneus  
World, Vanapedal,  
Métropole du Grand  
Paris

**Countries:**

Spain, France

## TACTIC: TOOLS FOR LOCAL COMMERCE LOGISTICS

### Transformative, adaptive and collaborative traffic management for improved capacity

**Challenge addressed:**

Sustainable (zero-emission) logistics services and solutions that are economically viable for local businesses and clients.

**Objective:**

To enhance local commerce while promoting sustainable, greener, safer and cleaner mobility services in last-mile logistics.

The TACTIC project focuses on environmentally-friendly last-mile delivery solutions that enable professionals to benefit from a system for sharing light commercial vehicles and cargo bikes for their goods' deliveries and journeys.

**Output: The TACTIC project successfully integrated e-cargo bikes into its shared e-vehicle platform to enhance sustainable urban logistics.**

Piloted in Barcelona, Spain, and Metropole du Grand Paris, France; the e-logistics vehicle sharing platform offers access to a range of zero-emission electric vehicles, including electric vans and electric cargo bikes, tailored to the various logistical needs of local businesses and clients. The platform allows public bookings and payments, and features geofencing technologies.

Designed for local logistics operators, retailers, SMEs and residents, the platform allows public bookings and payments, supporting sustainable last-mile deliveries within Low Emission Zones (LEZs). The platform is equipped with geofencing technology, ensuring that the e-vehicles stay within their LEZ, and contributing to greater safety, efficiency and sustainable logistics.

Whilst the uptake of this new service by local logistic operators has proved satisfactory, the direct use by local commerce faced several challenges in both pilot sites, Barcelona and Metropole du Grand Paris, with many shops subcontracting deliveries to wholesalers or logistics companies and others already having their own vehicle for more lengthy deliveries. Additional challenges related to refrigeration of the transport and the competition of other non-electric vehicle rental services. In the long-term, efforts will be required to raise awareness and create real behavioural change.



**Lead partner:**  
CARNET

**Partners involved:**  
City of Prague, Eurecat Foundation, Madrid City Council, MOVEN, PowerHUB, SKODA Auto, ChargeUp

**Countries:**  
Czechia, Spain

## SELECTIVE: A NEW SHARED ECONOMY TO IMPROVE ELECTRIC VEHICLE INFRASTRUCTURE IN EUROPE

**Optimising the use of private electric vehicle (EV) charging points via a peer-to-peer rental model**

### Challenge addressed:

Inadequate public EV charging infrastructure and costly, often underutilised private chargers.

### Objective:

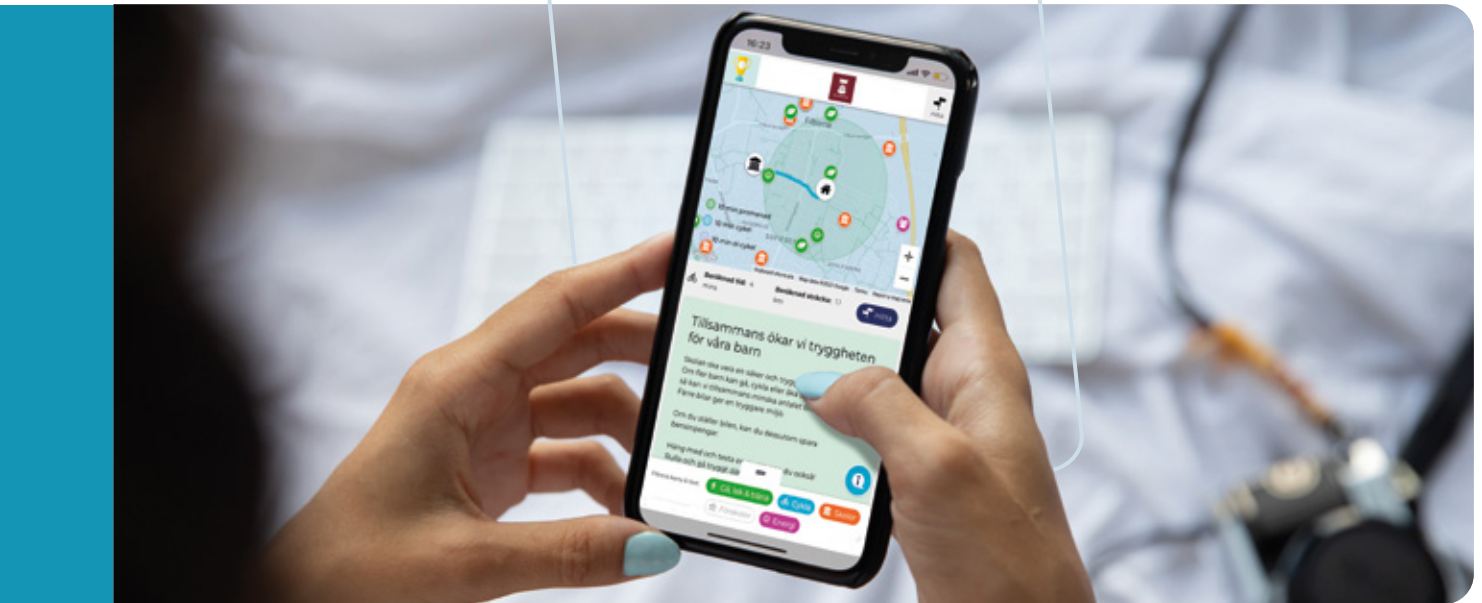
Create a peer-to-peer shared framework for EV chargers to optimise infrastructure.

**Output:** The SELECTIVE project pioneered a peer-to-peer digital solution to enhance EV charging infrastructure across Europe. Via its app-based platform, SELECTIVE enables individuals to rent their private EV charging points to other EV users, promoting a shared economy model.

This innovative approach addresses the pressing need for a more extensive and efficient charging network, accommodating the increase in EVs without the need for significant new infrastructure investments.

SELECTIVE conducted pilots in Madrid and Prague, testing ChargeUp's system to facilitate reservations of EV charging points. The pilots demonstrated increased EV charging point utilisation and improved user experiences, and revealed user preferences for shorter charging slots. With a strategic focus on peak urban work hours, the project ensured maximum charger availability and contributed to a more sustainable urban mobility landscape.

By leveraging private chargers, the solution provides hosts with additional revenue, enhances the overall charging network, fosters EV adoption and reduces greenhouse gas emissions. This project marks a significant step towards a greener future for urban transportation.

**Lead partner:**

Nudgd

**Partners involved:**

City of Helsingborg

**Countries:**

Sweden

## CULTIVATING BICYCLE CULTURE IN SCHOOLS

### Nudging behaviour for sustainable mobility

#### Challenge addressed:

Understanding barriers to cycling in the city.

#### Objective:

Using behavioural science to provide personalised digital 'nudges' to promote cycling.

**Output:** Despite substantial investments in cycling infrastructure, the City of Helsingborg had the lowest rate of cycling in the region (11%), necessitating a greater understanding of the barriers to cycling in the city.

The Smart Nudges Mobility Platform by Nudgd, tailored for this project, serves as a tool to encourage active transportation for school commutes among parents and staff, offering an alternative to personal car usage. The groundbreaking pilot programme marks the first large-scale application of a digital nudging platform to influence school mobility in Helsingborg.

The Smart Nudges Mobility Platform (Smart Travel Habits) employed behavioural science techniques to effectively engage parents and school staff, encouraging them to choose active mobility modes such as biking, walking, scootering, skateboarding, rollerblading or running over car use.

Twenty-five schools participated in the pilot, reaching 8,850 pupils and 980 staff members. During the pilot, 850 parents and staff used the platform and 39% stated they had already changed to, or planned to change to, more sustainable mobility behaviours for school commutes as a result of their participation.



**Lead partner:**  
MOBY Bikes

**Partners involved:**  
Westmeath County Council

**Countries:**  
Ireland



## TAP AND RIDE – REMOVING BARRIERS TO E-BIKE RENTAL AND SHARED MOBILITY SYSTEMS

### Challenge addressed:

Downloading of mobile apps, registration and linking to a bank account as barriers to rental of shared mobility solutions.

### Objective:

Most e-bike rental or sharing systems require downloading mobile apps, registering, linking a credit card and several other steps before the first rental can take place. Additionally, during the rental termination, users must take several photos to ensure parking compliance. These requirements often discourage users from renting a bike as the perceived barriers are too great.

MOBY's tap-and-ride system has been designed to allow for instant bike rental by simply tapping a credit card or phone with NFC-enabled technology (such as Apple Pay or Google Pay) on the bike's reader. And, with the bicycle's smart lock system, rental termination is automated upon connecting the bike to a bike park, enabling ease of use and greater uptake of the mode.

**Lead partner:**  
Inteliports

**Partners involved:**  
Isle of Wight Council

**Countries:**  
United Kingdom



## REVOLUTIONISING CITY LOGISTICS WITH AUTONOMOUS DRONE DELIVERIES

### Challenge addressed:

Cost, speed and carbon emissions of urban city logistics.

### Objective:

The project will pilot an autonomous drone operation on the Isle of Wight, combining heavy-lift drones and drone ports with micromobility services like e-bike couriers. The drone ports, serving as secure landing hubs for heavy-lift drones, feature full autonomy in fleet and parcel management. These ports handle tasks such as charging, deployment and the management of goods, including storage, retrieval and safe handover. Additionally, they integrate seamlessly with existing logistics infrastructures, including micromobility options.

The project will demonstrate a method for implementing autonomous aerial logistics

operations in urban areas, delivering significant cost, speed and carbon benefits with the potential for replication across the globe.

Fully electric, aerial last-mile delivery drones and key infrastructure enable the integration of new logistics modes into communities. Embedded automation robotics in both the drone fleet and drone ports autonomously manage all key ground processes involved in drone logistics, from fleet management (drone charging and transportation) to parcel management (loading, unloading and inventory management).

**Lead partner:**

BitGreen  
Bax & Company

**Partners involved:**

BGI-Actionable –  
IS Global  
HCG€ Value –  
University of Lisbon

**Countries:**

Belgium, Malta, United  
Kingdom, Portugal



## PLANNING FOR HEALTHIER CITIES

**Challenge addressed:**

Support urban planning interventions and transport policymaking for healthier cities.

**Objective:**

The objective of both the BGI-Actionable and HCG€ Value projects is to help cities understand, compare and plan for interventions that promote healthy cities.

The BGI-Actionable project's digital tool is designed to monitor and analyse the impact of green infrastructure and sustainable transportation on the health of city residents. The tool offers practical insights for nature-based urban design and will map health burdens related to factors like air pollution, noise, heat, lack of green spaces and low physical activity. These burdens will be measured in both

epidemiological and economic terms, providing a comprehensive view of the health implications of urban planning.

The HCG€ Value project is piloting the introduction of an innovative economic impact analysis module (HCG€) to the existing Healthy Cities Generator tool. HCG€ will calculate the economic value of life expectancy improvements associated with the health impacts estimated by the tool. HCG€ will help decision-makers prioritise investments that benefit citizen health and the economy, while reducing healthcare costs.

**Lead partner:**

Evarm Innovacion

**Partners involved:**

Barcelona Metropolitan  
Area, EKPO Fuel Cell  
Technologies

**Countries:**

Spain



## HYDROGEN RETROFITTING FOR OPTIMISED AND SUSTAINABLE PUBLIC MINIBUS TRANSPORTATION

**Challenge addressed:**

Hydrogen-based public transport as a key element in the industry's transition to zero emissions.

**Objective:**

Public transport operators across Europe are currently rushing to decarbonise their fleets to meet the 2030 climate and energy targets. While the manufacturers' market offers many zero-emission technology options for the most common bus typologies, city minibuses face unique challenges due to their requirement to operate for 18 hours without refuelling. Existing solutions offer insufficient battery capacity for the full 18 hours or use hydrogen solutions in extended range mode, which still presents issues due to high weight and the need for daily electric charging.

This project aims to transform a Mercedes Sprinter Diesel minibus from the Barcelona Metropolitan Transport bus fleet, into a fuel cell vehicle with a purely electric traction engine and small intermediate batteries to balance the power needs of the engine. This conversion will enable the vehicle to complete full-day operations without refuelling. The final retrofit kit will be directly exportable to any medium-sized hydrogen-powered vehicle, including minibuses, delivery vehicles and auxiliary vehicles. The converted vehicles will have zero emissions of nitrogen oxides, particulate matter and carbon dioxide.

**Lead partner:**

AutonomyNow

**Partners involved:**

Sor Libchavy

**Countries:**

Czechia



## ADVANCED DRIVER ASSISTANCE SYSTEMS FOR BUSES IN CITIES

**Challenge addressed:**

High bus-related accident rates in urban areas involving pedestrians and cyclists.

**Objective:**

This project will create a novel ready-to-use advanced driver-assistance system (ADAS) solution designed for small and mid-sized bus original equipment manufacturers (OEM) from Regional Innovation Scheme (RIS) countries. Collaborating with these OEMs will help prevent their market exclusion and ensure compliance with Vehicle General Safety Regulation. Bus manufacturers will be able to incorporate AutonomyNow's validated solution as part of their official approval process.

This ADAS solution will enhance bus safety across Europe by reducing the potential dangers resulting from human error. It will alert drivers to potential hazards, promote adherence to traffic rules, and even intervene with emergency braking if necessary. Studies have shown that ADAS can reduce the occurrence of incidents by 3-5% and even up to 30-45%, for serious and fatal accidents. The ADAS technology will provide a more secure, reliable and safer mode of transportation, significantly reducing the risk of traumatic events.

**Lead partner:**

Centre for Research & Technology Hellas

**Partners involved:**

CARNET, Major Development Agency  
Thessaloniki, Cityzone,  
Oto, Batteri

**Countries:**

Israel and Greece



## EVOSS - ROBOTIC MOBILE RAPID CHARGER FOR ELECTRIC VEHICLES

**Challenge addressed:**

Efficient EV charging that maintains grid stability and reliability without adversely impacting public space.

**Objective:**

The EVOSS project introduces an innovative robotic charging device, equipped with a high-capacity battery and a rapid charging plug. The device can autonomously move to the location of parked electric vehicles (EVs) within parking areas, to provide flexible and efficient charging.

The robotic device offers several key features: it stores electricity onboard to reduce grid stress during peak hours by charging at night; it maximises existing infrastructure, lowering capital expenditures for fleet operators and property owners; and it brings rapid charging to locations typically limited to slower options, enabling EV users to get a full charge quickly.

This approach significantly reduces infrastructure costs while addressing challenges related to the availability, efficiency and accessibility of charging infrastructure. The solution also optimises the use of public space.

**Partners involved:**  
CARNET

Institute for Advanced  
Architecture of  
Catalonia, Ajuntament  
de la Vila de Masquefa

## NEW EUROPEAN BAUHAUS – ELDERS PROJECT



### Promoting active mobility amongst ageing populations in Spain

#### Challenge addressed:

The social isolation and lack of mobility present in ageing communities, highlighted by the COVID-19 pandemic.

#### Objective:

Enhance the social inclusion and wellbeing of older populations by identifying, testing and improving walking routes in Masquefa through participatory processes.

#### **Output: The COVID-19 pandemic has had profound impacts on social connections, particularly among older adults.**

Data from Cambridge University reveals that during the pandemic, 28.6% of older adults experienced loneliness and 31.2% faced social isolation. These conditions have led to long-lasting disruptions in seniors' social networks and their increased exclusion from community life.

In response to this challenge, the New European Bauhaus' ELDERS project aims to enhance social inclusion and well-being among older adults in Masquefa, a Spanish municipality committed to improving the lives of its senior residents. The project focuses on improving walking routes through participatory processes and innovative urban design. By identifying, testing and refining these routes, ELDERS seeks to revitalise public spaces and promote greater accessibility and active mobility for older adults.

The ELDERS initiative employs a transdisciplinary approach, incorporating the expertise of design professionals and students from the Institute for Advanced Architecture of Catalonia to collaborate directly with the elderly

community. This collaboration exemplifies a key pillar of New European Bauhaus projects: co-creation. Specifically, this project involves a co-design approach, in which older residents engage with the design team to create urban elements tailored to their specific needs. The goal is to foster a sense of belonging and inclusiveness by prioritising the most affected groups: seniors living in both urban and rural areas of Masquefa, and by involving design students in the development of these urban enhancements.

Through its participatory design approach, ELDERS not only addresses physical accessibility but also supports mental well-being by creating environments that encourage social interaction and active lifestyles. Additionally, the project emphasises the three values of the New European Bauhaus: sustainable, beautiful and inclusive.

The results of the ELDERS project will be documented in a comprehensive graphic report detailing the methodologies used, the design parameters for creating inclusive walking routes and the urban elements developed as a result of the project. By sharing these findings, the project hopes to provide a scalable model for other communities seeking to enhance the social inclusion and quality of life for their elderly populations.



# INVESTMENT PORTFOLIO



# INVESTING IN POSITIVE IMPACT SOLUTIONS

**As an impact investor, we boost European startups that demonstrate the potential to have a significant positive impact, both socially and/or environmentally, as well as strong return on investment financially.**

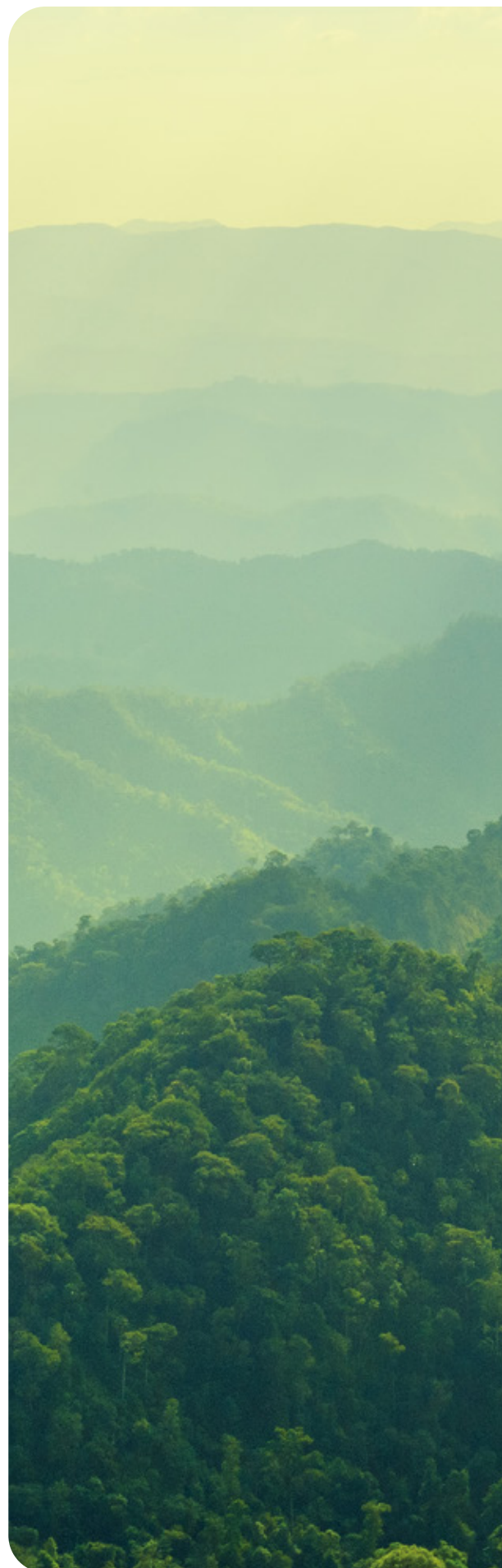
As an impact investor, we boost European startups that demonstrate the potential to have a significant positive impact, both socially and/or environmentally, as well as strong return on investment financially. Our core mission is to empower driven entrepreneurs who are committed to addressing critical global challenges. By providing financial support, expertise and networking opportunities, we enable the leaders of tomorrow to realise the potential of their innovative ideas and amplify their impact.

EIT Urban Mobility's investment strategy targets positive outcomes for people and the planet, while also delivering competitive market returns. In our due diligence, we assess the positive and negative impacts of products and/or services across four dimensions and 19 categories of impact, alongside additional financial indicators. We also evaluate the alignment of these companies with the United Nations' Sustainable Development Goals (SDGs).

We apply the Upright Project Net Impact Quantification method – a model enabling smarter decision making for investors, companies and governments by quantifying the net impact of companies. This helps augment value, decrease investment risks and contribute to global sustainability.

## **EIT Urban Mobility makes investments aligned with specific criteria:**

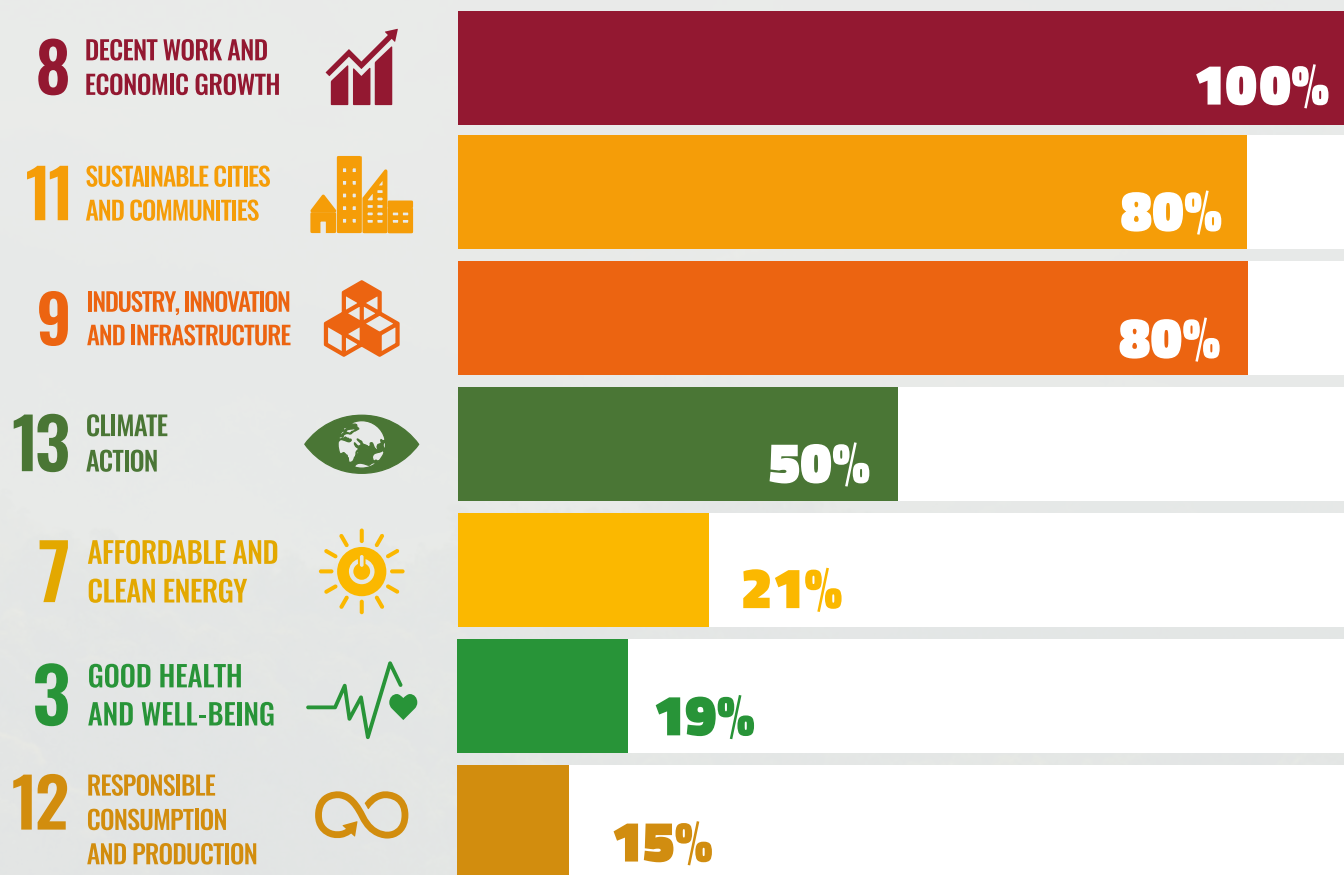
- **Net positive impact:** In order to invest in companies that achieve net positive impact, we assess both the negative and positive impacts of our startups' activities.
- **SDG alignment:** We look for alignment with at least one of the designated Sustainable Development Goals (SDG7, SDG8, SDG9, SDG11, and SDG13), along with their corresponding targets.
- **Gender balance:** We look for companies that have gender balanced teams.



# SUSTAINABLE DEVELOPMENT GOALS ALIGNMENT

SUSTAINABLE DEVELOPMENT GOALS

% Equity Portfolio companies aligned with the SDGs:





# MEASURING NET POSITIVE IMPACT

EIT Urban Mobility's investment portfolio companies are assessed by the Upright Project Net Impact Quantification, to measure the net impact of each company's activities.

For the purposes of our quantification, we define net impact as:

$$\text{Net impact ratio} = \frac{(\text{positive impacts} - \text{negative impacts})}{\text{positive impacts}}$$

Whereas the maximum value is 100%, representing a theoretical company with no negative impacts. There is no minimum value.

THE AGGREGATED NET IMPACT RATIO OF EIT URBAN MOBILITY'S EQUITY PORTFOLIO COMPANIES IS 48%.

How EIT Urban Mobility's equity portfolio companies have a net positive impact on society, knowledge, health, environment.

## SOCIETAL IMPACT



Create **jobs**, fostering financial independence and societal identity;



Contribute significantly to shared resources through direct and indirect **taxes**;



Develop vital **societal infrastructure** essential for the strengthening of the European urban mobility sector and citizen well-being.

Can be translated to

**1,070**  
direct or indirect jobs

## KNOWLEDGE IMPACT



Contribute to **knowledge infrastructure**, enabling the effective and safe creation, distribution, and maintenance of knowledge, information and data (e.g. MaaS platforms);



Enable, encourage, or practice the **creation** and **distribution** of data, information, or **knowledge** (e.g. transport planning and optimisation software); autonomy software; route and freight optimisation and management software;



Offer data-driven solutions that help decision-makers optimise routes, reduce transit times and enhance resource allocation, overall improving transportation and logistics efficiency.

Can be translated to

**55,266**  
hours of engineering services

## HEALTH IMPACT



Promote sustainable active mobility solutions, such as biking and walking, that positively impact health through the **prevention of diseases and injuries**, while also **enhancing well-being**;



Indirectly **improve human relationships** through mobility services like car-sharing and electric scooter rentals, which bring joy and **sense of meaning** to people's lives.

Can be translated to

**32,095**  
ready meals

## ENVIRON- MENTAL IMPACT



Remove or reduce **GHG and non-GHG emissions** (compared to their most common alternatives) through the implementation of less-polluting solutions like electric and autonomous ferries, electric bicycles, and EV charging platforms;



Conserve highly **scarce natural resources**, like fresh water and certain minerals and metals, as well as preserve ecosystems through the protection of **biodiversity** (e.g. EV battery upcycling services);



Promote responsible **waste** management, recycling, and resource sustainability through the use of solutions like waste management data analytics and optimisation software.

Can be translated to

**10,027**  
tons of reduced  
GHG emissions

**196,625**  
cubic metres  
of treated  
wastewater

## PUBLIC TRANSPORT

**Creating and managing efficient and inclusive public transport to open access to zero and low-emissions modes of travel.**

Zeabuz revolutionises urban water transport, cutting congestion and emissions while promoting walking and cycling. Our interest in Zeabuz stems from the belief that AI-driven autonomy disrupts transportation norms, benefits urban environments by reducing congestion, noise and emissions; and shifts commuters to waterways for more peaceful urban environments.



## HEALTH AND MOBILITY

**Health and mobility focuses on active forms of mobility to reduce air pollution and create more liveable urban spaces.**

Lithuania-based startup, Walk15 offers a global walking platform, providing active mobility challenges for companies, schools, universities and municipalities. With a goal of increasing the physical activity of employees, citizens or students, the platform offers incentives for choosing walking. While creating positive impacts on personal health, Walk15's challenge-based solution also encourages walking for reduced carbon dioxide emissions.





## ELECTRIFICATION

**Electrification aims to upgrade and augment existing infrastructure to become environmentally sustainable.**

Circu Li-ion is a European battery upcycling startup based in Luxembourg with the vision to fight the climate crisis by maximising the lifecycle of each Lithium-ion cell. As the reliance on Lithium-ion batteries increases, so does the strain on supply chains. Recognising and combating this issue by maximising battery lifecycles and responsibly recycling them, is a key component in the fight against climate change.




















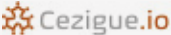













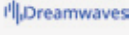


































## MOBILITY DATA MANAGEMENT



















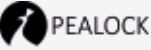





































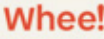



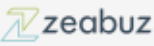

**Mobility data management focuses on the smart management and integration of data, applied to a digital infrastructure for mobility.**

Türkiye-based startup Optiyol, offers a business-to-business software solution serving retailers and carriers end-to-end optimisation of their logistics. Their platform integrates advanced algorithmic planning and a driver app to streamline the entire logistics supply chain from planning to execution. Data management solutions have a pivotal role in creating increasingly efficient systems that can reduce environmental impacts and improve overall urban planning.



## STARTUPS IN OUR PORTFOLIO









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