MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the
European Union

MOBILITY
SOLUTIONS

Market-ready innovations for more liveable cities

Issue 6 - October 2023

We help you to gain visibility for your market-ready mobility innovation.

Raise traffic. Reach the right people. Target the right audience!

What services can you expect?

Organic growth & awareness

Active engagement & lead generation

Scan the QR code to learn more!

Accelerating Urban Mobility Innovation for a Sustainable Future

Dear reader,

I am delighted to present the latest edition of our Solutions Catalogue, which highlights the most innovative and impactful solutions created by companies supported by EIT Urban Mobility.

This edition showcases over 130 solutions carefully chosen as pivotal drivers for a sustainable shift in mobility. The window of opportunity to limit global warming to 1.5°C is rapidly closing. The transport sector is one of the major contributors to the climate crisis and it must undergo radical transformation towards climate neutrality. Leading this charge are cities. They are the driving force and enabler of faster adoption of innovation to create more liveable, sustainable, and inclusive urban spaces.

EIT Urban Mobility, Europe's leading innovation community for urban mobility, co-funded by the European Union, facilitates the testing and scaling of these innovative solutions across cities. Our goal is to accelerate the adoption of sustainable urban mobility innovations. The startups we nurture have pioneered cutting-edge technologies that are shaping a more sustainable future for urban mobility.

I encourage you to explore the Solutions Catalogue and discover the innovations poised to drive change in urban mobility. We hope this catalogue inspires cities and corporations to explore and implement the innovative solutions offered by our community.

Best regards,

**Dr. Maria Tsavachidis,
CEO EIT Urban Mobility**

Discover our Mobility Solutions

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Sidewalks Alone Don't Make Happy Pedestrians

While some people prefer biking and others opt for cars, we all inevitably find ourselves walking in urban centres, regardless of individual transport preferences. However, modern cities with glass-struck facades and narrow sidewalks fail to create an appealing environment for all pedestrians. Thomas Hug, Co-founder of urbanista.ch, gives insights into what is needed for creating truly walkable cities.

Walking is still frequently overlooked by city officials when it comes to actively integrating it into urban mobility strategies. Combined with challenges of limited urban space, many cities are struggling to put pedestrians first. But some urban areas show how it can be done. Zurich and Copenhagen committed to pedestrian traffic by emphasising its significance for societal integration

and inclusion, resulting in healthier and greener city centres. Promoting walkability can be a tough challenge, but there are ways to facilitate a change of heart: Buildings, for example, play a vital role in stimulating citizens. Captivating facades, combined with seating options and nooks for pedestrians can incentivise urban walking for diverse social groups. Stockholm is

doing just that. It is one of the cities aiming to become a "Walkable City" by 2030, investing heavily in pedestrian-friendly development areas, energy supply systems, and housing provision. Prioritising walkability not only enhances mobility but fosters inclusivity and well-being.
———

Article by Thomas Hug,
Co-founder of Urbanista.ch

Check out the whole article on the Mobility Innovation Marketplace!

MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the
European Union

Challenge areas overview

Mobility challenges are shared among European and global cities. Nine Challenge Areas have been defined by major cities, such as Amsterdam, Copenhagen, Helsinki, Milan, Munich, Istanbul, Stockholm, Eindhoven, Hamburg and Warsaw, to drive mobility innovation.

The solutions featured in this catalogue are labelled with the relevant challenge areas they address. A description of each of these areas is provided below.

Active mobility

Empowering people to shift from private fossil fuel vehicles to modes that encourage physical activity, such as walking and cycling. pg.10

Multimodality

Using different modes of transport in a single journey requiring seamless and safe interchanges and digital solutions. pg.20

Mobility infrastructure

The physical and digital components needed to transport people and goods reliably and safely. pg. 44

Future mobility

New mobility services such as connected and autonomous transport or urban air mobility. pg. 108

Mobility & Energy

Less fossil fuel dependence by uptake of electric vehicles and cleaner energy. pg. 122

Pollution reduction

Creating awareness about noise and local air pollution as well as reduction of emissions to improve quality of life. pg. 140

Accessibility & Inclusivity

Making transport and urban planning more inclusive and accessible. pg. 66

City logistics

Optimisation of urban services and goods delivery. pg. 82

Public realm

Re-allocation of urban space for people, including tactical urbanism and street experiments. pg. 100

MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the European Union

Mobility products

Mobility products

Active Mobility

Empowering people to shift from private fossil fuel vehicles to modes that encourage physical activity, such as walking and cycling.

Trap

Urban parking docks for scooters

YUP

Hardware

Trap is a parking station with an electric charging system - designed to scale micromobility in cities sustainably.

Docking station **Micromobility** **Mobility-as-a-Service**

Trap is committed to promoting sustainable micromobility in cities. Trap allows citizens to park their personal mobility vehicles (PMV), such as scooters, bikes or skateboards, orderly, thus helping cities to manage micromobility in an intelligent way.

Trap is compatible with any model of electric scooters and can be connected to renewable energy sources such as walkable photovoltaic floors and solar panels.

Trap comes with a high-tech multilocking and security system to provide greater protection for each mobility device. All stations are easy and convenient to use thanks to the mobile app, keypad, RFID and geolocation system integrated in the docks.

Marc Valero Polo
Brand Manager at YUP.
Get in touch and learn more!

VadeBike

Safe and secure docking stations

vadecity Smart cities. Smart solutions.

Hardware

VadeBike is the solution that enables micro-mobility in the safest and smartest way.

Docking station **Micromobility** **Safety**

VadeBike is a safe & smart parking device, suitable for all types of bicycles and kick scooters.

Efficient, easy and user friendly. Each vehicle is securely locked by three anchor points to prevent theft. With storage space for the helmet it incentivises safe cycling in cities; through a smart reservation and booking platform parking is taken to the next level.

The platform is connected to the cloud infrastructure providing real-time management services 365/24/7.

With the subscription, the user gets access to all available parking lots distributed in the city. It can be operated from the web and/or app, to manage the deveices as well as for extended services.

Hey! I'm Marta Recasens Alsina, CEO at Vadecity.
Get in touch and learn more!

Active Mobility
Multimodality
Mobility Infrastructure
Accessibility & Inclusivity
City logistics
Public Realm
Future Mobility
Mobility & Energy
Pollution Reduction

Active Mobility
Multimodality
Mobility Infrastructure
Accessibility & Inclusivity
City logistics
Public Realm
Future Mobility
Mobility & Energy
Pollution Reduction

MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Mobilypod
Secure bike shelters

Hardware

Bike shelters made from recycled shipping containers. Mobilypod is ultra-secure and exists in different layouts which can be tailored to the local needs of the citizens.

Docking station **Micromobility** **Mobility-as-a-Service**

Mobilypod bike hubs offer more than just shelter. It is a user experience intended to be responsible and solidarity-based, while offering an unparalleled level of security. An infrastructure intended for companies, communities, and transport operators that strives to offer serenity, service and conveni-ence to their users. The Mobilypod is available in different layouts and capacities which can be tailored to the local urban mobility needs.

Beyond its ultra-secure aspect, the shelters have other features such as individual lockers, battery recharges, bike tire compressors, weather stations, air chamber dispensers, and even showers, toilets or changing rooms as needed.

Mobilypod shelters are made from recycled shipping containers.

Hey! I'm Nicolas Salmon, President at Nielsen Concept. Get in touch and learn more!

Active Mobility

Bicihangar Rocket
Secure bike & scooter parking

Hardware

Bicihangar Rocket is a unique solution to accelerate the change towards sustainable urban mobility by eliminating a major barrier: the absence of secure parking options for bikes and scooters.

Docking station **Micromobility** **Safety**

The Bicihangar Rocket is a smart, modular and scalable parking solution for micromobility in cities that protects bicycles and scooters from vandalism, theft and inclement weather.

Bicihangar Rocket is completely digitised, which allows a considerable improvement of the user experience by being able to offer monthly subscriptions or pay-per-use. The user accesses the Bicihangar Rocket through an app instead of using a physical key or a card, which allows an immediate use of the parking.

Bicihangar Rocket is designed to occupy half of a car space, which makes the solution scalable using car parking spaces, instead of pedestrian curb space. The system is also completely autonomous (solar energy) avoiding construction works or connections to the power grid.

It can be easily installed in less than a hour. In order to cope with higher user demand or variations, it can be relocated easily, as it is not "anchored" to the ground.

Hey! I'm Pablo Rosa Casado, CEO at Don Cicleto. Get in touch and learn more!

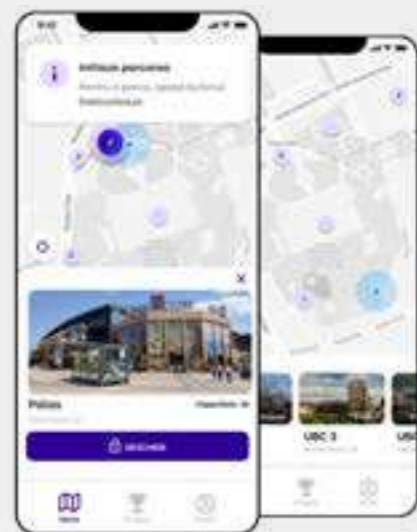Multimodality | Mobility Infrastructure | Accessibility & Inclusivity | City logistics | Public Realm | Future Mobility | Mobility & Energy | Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Rastel.io

RASTEL.IO
SMART & SECURE BIKE PARKING

Secure bike parking management platform

Sofware

An access control system that can transform any enclosed space into a smart bike parking room, enabling parking managers to seamlessly manage user access, track usage and incentivise cycling.

Safety **Micromobility** **Mobility-as-a-Service**

Step into the future of bike parking with a cutting-edge app-based access control and management system. Traditional RFID cards or keys are eliminated, making way for a seamless access management solution that enhances convenience.

Rastel.io's app empowers parking managers with real-time control and visibility over their bike parking spaces. Usage can be tracked, access can be managed, insightful reports can be generated, and units can be remotely unlocked during emergencies. This comprehensive platform ensures enhanced security and streamlined operations.

But it doesn't stop there. The app serves as a catalyst for change, enabling the creation of engaging campaigns that reward active cyclists and promote a healthier and greener urban environment. It's a mutually beneficial arrangement for both cyclists and parking owners.

Hey! I'm Horea Toniuc,
CEO at RASTEL.IO SOLUTIONS SRL.
Get in touch and learn more!

RASTEL.IO
SMART & SECURE BIKE PARKING

MIOO

Ready to ride assembly service for bike e-commerce

Service

Online bike resellers can partner up with MIOO and offer a professional assembly service to their customers. When the bike is delivered to customers, a MIOO Bike Buddy will go there to do the assembly.

E-commerce **Behavioural change** **Micromobility**

Online resellers of bicycles now have the opportunity to offer their customers an excellent customer experience. At the check-out customers have the option to order a ready to ride service from MIOO.

Benefits for online resellers

- Higher conversion rates amongst potential customers who do not feel confident they can safely assemble their own bikes.
- Fewer complaints and problems for your service and support department caused by customer trying to assemble their bikes themselves.
- Fewer returns since MIOO can remedy minor errors on site at delivery, and if any components are defective or missing, MIOO can assist with quick support.

Benefits for the customer

- A convenient solution to get the new bike ready to ride. For those not having the time, tools or knowledge to assemble the bike themselves.

Hey! I'm Anja Kullberg,
CMO at MIOO Cycling AB.
Get in touch and learn more!

MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the
European Union

The Pin Bike Kit

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Hardware & Sofware

Verified movements and rides to incentivise citizens and commuters to use sustainable means of transportation.

Micromobility

Behavioural change

Safety

Pin Bike allows Municipalities to engage and reward citizens that choose to use bicycles, carpooling and Public transports as their daily means of transportation.

The solution relies on patented technology that, thanks to the hardware-software kit allows to verify movements and rides with an anti-fraud mechanism. The solution has three main objectives:

- Encourage citizens to be aware of sustainable mobility (either with bicycles, electric scooters, local public transport and carpooling);

- Encourage proximity trade and support local shops (the rides done using Pin Bike devices can be traded with vouchers to be used exclusively with local shops);

- Provide Public Administrations with a digital tool through which they can monitor and plan traffic and urban mobility, check movements heat maps according to the time of the day, age, time-slots, send sur-

Hey! I'm Annarita Leserri, Project Manager, Communication & Dissemination Manager at Pin Bike. Get in touch and learn more!

This could be your product!

Contact us to learn more:
marketplace@eiturbanmobility.eu

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

18

19

Mobility products

Multimodality

Using different modes of transport in a single journey requiring seamless and safe interchanges and digital solutions.

City Dive
By fluctuo

Software

City Dive offers exclusive metrics on shared mobility data from 250+ services in 180+ cities.

Mapping & Monitoring **Micromobility** **Shared mobility**

City Dive allows users to make decisions based on the big picture. Fluctuo's team of mobility experts combines innovative data-collection methods with sophisticated algorithms to produce the most exhaustive and precise data on the market.

Every day, the company analyses +250 services in +180 cities, giving operators the means to improve the performance of their operations, and help cities understand the role that shared mobility plays in their city, as well as the opportunity to benchmark their mobility ecosystems against others.

Fluctuo is now launching a free version of City Dive, so get in touch for more!

Hey! I'm Julien Chamussy,
CEO at fluctuo.
Get in touch and learn more!

Data Flow
By fluctuo

Software

Visibility for shared mobility operators, simplicity for MaaS providers - Connect to +250 services in +700 cities.

Mapping & Monitoring **Urban Planning** **Mobility-as-a-Service**

Putting shared mobility operators on your map.

Convincing each operator to connect to your MaaS application can be tiresome. Operators don't always see the value in appearing on each and every MaaS application, which means users don't get an exhaustive list of travel options.

You could save hours of negotiating with operators and connect to 250+ services in 700+ cities in one go.

Data Flow API, trusted by companies like SNCF and Cogo, provides real-time information on all shared mobility options (bikes, scooters, mopeds and cars) in a given area, accessible through a single API.

Hey! I'm Julien Chamussy,
CEO at fluctuo.
Get in touch and learn more!

Active Mobility
Multimodality
Mobility Infrastructure
Accessibility & Inclusivity
City logistics
Public Realm
Future Mobility
Mobility & Energy
Pollution Reduction

Active Mobility
Multimodality
Mobility Infrastructure
Accessibility & Inclusivity
City logistics
Public Realm
Future Mobility
Mobility & Energy
Pollution Reduction

MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the European Union

Factual Smart Commute

Digital corporate mobility planner

Service

Factual Smart Commute supports corporates to empower their employees to transform their travel behaviour, by establishing the right environment for more sustainable and healthy mobility.

Corporate mobility   Mobility planning   Behavioural change

Factual Smart Commute aims to transform daily commuting to a sustainable travel experience. To this end, the service supports companies in the development and implementation of alternative, more environmentally friendly workplace travel plans.
With Factual Smart Commute, an organisation will get:

- **Mobility baseline:** A screenshot of the impact of today's mobility on employee well-being, the environment, and the company's finances.
- **Corporate mobility plan:** Short and long term strategy to achieve a successful mobility plan, tailored to the needs of the company.
- **Mobility pool:** Access to a database of sustainable mobility providers such as micro-mobility operators, on-demand transport provider, or bike-sharing and carpooling companies.
- **Employee engagement:** Gamification tools to nudge employee's commuting behaviour change.
- **Impact assessment:** Dashboard to monitor the impact achieved by the implementation of the various strategies.

Hey! I'm Marc Figuls
Managing partner at Factual.
Get in touch and learn more!

Gotikket

Booking platform

Software

Gotikket allows users to make informed environmental decisions by highlighting individual responsibility in contributing to the environment and supporting the development of sustainable mobility solutions.

Mobility-as-a-Service   Public transport   Mobility-as-a-Service

Gotikket provides transport solutions that are integrated into a single, easy-to-use platform from which users can determine the best route and price across several end-to-end travel services and modes. It eases the frustration of travellers by bringing a smoother, frictionless, more efficient-booking and purchasing process.

Gotikket offers the following advantages:

- **Easy to use:** Users can book bus tickets online through an easy-to-use app or website, without the need to register or set up an account.
- **Extensive choice:** Hundreds of routes from partner bus operators.
- **Fast purchase:** Purchase a ticket in under a minute.

Users can take advantage of the Gotikket app to find and purchase bus tickets for the Balkans and Europe. They can also enjoy special features, such as filtering options by CO_2-emissions or the invite-a-friend functionality to earn free bus tickets.

Hey! I'm Rado Pavlov.
Founder &COO at BusExpress BG Ltd.
Get in touch and learn more!

MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the European Union

Vianova Mobility Data

VIANOVA

Software

Vianova's data offering can enable businesses and public mobility providers to improve the products and services they currently offer and therefore improve user experience.

Mapping & Monitoring   **Urban planning**   **Mobility-as-a-Service**

Vianova Mobility Data provides reliable and shareable mobility data for the whole ecosystem. Users can instantly access, integrate, and share accurate mobility data streams from a growing set of global cities. Users can customise data requests and easily search through a data warehouse of real-time and historical data.

+50 mobility data connectors
- dynamic and reliable mobility data streams from multiple sources within a self-service catalogue.
- users can search through a data warehouse thanks to easy queries and a plug-and-play interface.

Custom mobility intelligence
- users can pull data from the platform to perform customised computations and visualisations.
- users can access the specific mobility information they need to improve intelligence, services and operations.

### Real-time data for MaaS initiatives
- users can enrich mobility offerings with shared and on-demand transportation options, using a real-time integrated API.
- users can strengthen first and last-mile connections to public transport and satisfy every customer journey.

Hey! I'm Thibaud Febvre.
Co-founder and COO at Vianova.
Get in touch and learn more!

MOBILITY INNOVATION Marketplace

Vianova Mobility Manager

VIANOVA

Software

Vianova's mobility dashboard enhances collaboration between cities and transportation services towards better sharing of public space. The Vianova tools aim to make mobility safer and more sustainable.

Mapping & Monitoring   **Mobility planning**   **Mobility-as-a-Service**

Working with cities and mobility providers to better distribute and control access to public space, Vianova provides the operating system of the public realm. It enables seamless exchange of information between mobility providers and cities regarding traffic and curb side management. The main features of Vianova's Mobility Manager are:

- Control and management
- Analytics and planning
- Audit and regulation

FLEET SIZE 2453

Hey! I'm Thibaud Febvre.
Co-founder and COO at Vianova.
Get in touch and learn more!

eit Urban Mobility

Co-funded by the European Union
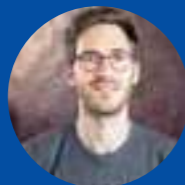
GIRAVOLTA Mobility Platform

Giravolta
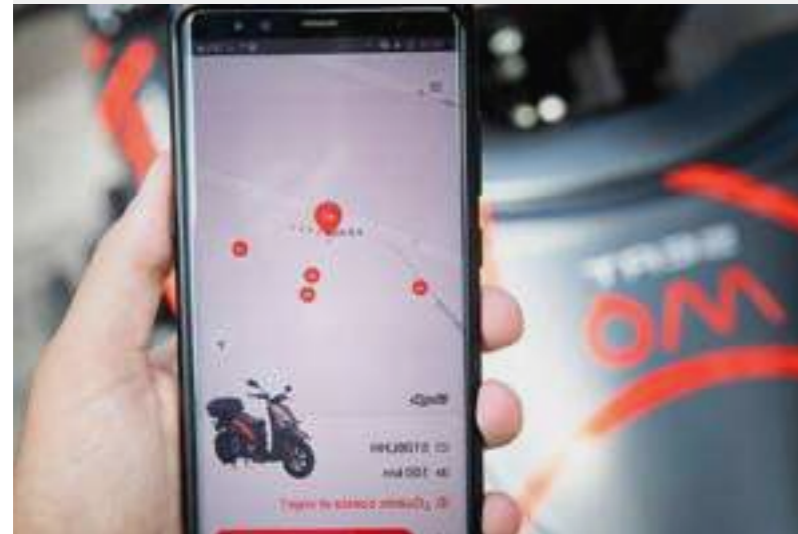
Software

The GIRAVOLTA Mobility Platform supports cities and companies in optimising their fleets, reducing environmental impact, and improving traffic efficiency, including parking in cities.

Mobility-as-a-Service **Corporate mobility** **DRT**

GIRAVOLTA Mobility Platform has been developed by SEAT:CODE with the purpose of unleashing the power of shared vehicles and on-demand mobility solutions for innovative & forward-looking cities, operators and organisations.

For cities:
- Reduce vehicles – one shared vehicle is equivalent to 10 private vehicles.
- Better planning – creating a data ecosystem allows better service planification and urban organisation.
- Promoting active mobility not only supports reducing emissions, but also positively affects healthy lifestyles.

For companies (corporate mobility):
- Reduce maintenance and operations costs by 50% for internal fleet of department cars, substitution cars, factory bikes, etc.
- Free up parking spaces at factory sites and make travelling more pleasant and efficient through the use of alternative means of transport.
- Reduce CO_2 footprint.

Hey! I'm Alexandre Tziampazis, Business Development Manager at Giravolta.
Get in touch and learn more!

Vianova Mobility Policy Auto-Tuner

VIANOVA

Service

Vianova Mobility Policy Auto-Tuner is a tool that can map carbon reduction potential across cities.

Micromobility **Mobility planning** **Urban planning**

Vianova Mobility Policy Auto-Tuner enables cities and mobility operators to clearly identify areas where shared mobility can be deployed to maximise chances of mode shift from private cars. With this tool they can:

- Identify those areas where regulations or infrastructure should be implemented in order to nudge citizens into greater shared mobility usage.
- Anticipate the 'alternative carbon footprint' of a trip that would be taken by a shared transport mode.
- Model the potential impact of the policy from a CO2 perspective over time.
- Monitor whether the implemented policies truly achieve the predicted CO2 emissions reductions.
- Recalibrate the AI algorithm to suggest better regulations given the tracked outcomes.

Vianova was able to forecast that its emissions calculator could help cities save up to 1,000 tons of CO2 per city yearly, representing more than 10% of the average total carbon footprint in these cities.

Hey! I'm Thibaud Febvre.
Co-founder and COO at Vianova.
Get in touch and learn more!

Active Mobility · Multimodality · Mobility Infrastructure · Accessibility & Inclusivity · City logistics · Public Realm · Future Mobility · Mobility & Energy · Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

YUP

Soca

Urban parking docks for bikes & e-bikes

Hardware

Soca is a parking station with an electric charging system - designed to scale micromobility in cities sustainably.

Micromobility

Docking station

Mobility-as-a-Service

Soca is a scalable parking and electric charging system for bikes. The system is compatible with any model.

Soca is a modular, light and aesthetic - perfect for outdoor installation.

Each bike is secured with 2 magnesium chains with an anti-scratch cover. Each module incorporates two parking spaces with security lockers, with ventilated and anti-theft solid doors, to store the helmet, saddle and battery while charging.

Hey! I'm Marc Valero Polo Marketing Specialist at YUP. Get in touch and learn more!

MOBILITY INNOVATION Marketplace

TICKETO₂

TicketO

Environmental shared mobility wallet

TicketO

LOGIN

REGISTER

Software

Ensuring that traffic-related pollution and CO2 emissions are reduced by financial incentives, TicketO manages the carbon tax refund considering the actual carbon footprint of the end user.

Public transport

Mobility-as-a-Service

Smart Cities

The Environmental Shared Mobility Wallet automatically tracks the carbon footprint of its user, and can be used for all public transport and shared mobility services.

The app was developed for companies to better manage their transportation budgets offered to their employees for tax refunds and special incentives.

In addition, the company makes the necessary filing of invoices of the end users for the tax return together with the reporting on CO2 emission reduction.

Hey! I'm Cengiz Hakan Founder at TicketO. Get in touch and learn more!

eit Urban Mobility

Co-funded by the European Union
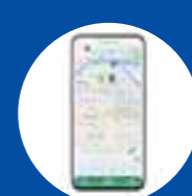
Cogo
Shared mobility app

Software

Cogo offers the most comprehensive price comparison tool for sustainable shared mobility and empowers its users to compare price and travel time across operators and vehicle types in one simple search.

Mobility-as-a-Service　　**Micromobility**　　**Fleet management**

Cogo gathers shared rides for frictionless mobility and a better tomorrow. Find scooters, bikes, cars and mopeds as long as they are human or electric powered from +250 mobility operators worldwide in one app.

Hundreds of shared mobility operators across 500 cities in Europe have created a fragmented and complex market with high friction. The fast growth of shared mobility in recent years and the rise of different mobility operators, have made the market extremely fragmented, creating a frustrating experience having to juggle between so many different mobility apps.

A recent survey shows that 34% of users think the need to download and sign up for the different apps is a barrier for using shared mobility, and 84% would use shared mobility more if they had access to all operators in one app.

Cogo helps make shared mobility more accessible and easy to use by offering people access to all different types of transport from all operators without the need to download several apps.

> Hey! I'm Risiana Levie.
> Marketing Manager at Cogo.
> Get in touch and learn more!

Mosa
Intelligent Cycle Parking Hubs and Management Solutions

Hardware

Mosa's smart solution is 70% cheaper. It saves space owners time by automating parking management tasks, helping them to comply with the government's net-zero initiatives and attract high-value tenants.

Micromobility　　**Docking station**　　**Mobility-as-a-Service**

MOSA, a London-based IoT startup, offers intelligent cycle parking and management solutions that help property owners and cities provide smart and secure cycle parking by digitising existing bike racks with patent-pending lock technology.

25% of bicycle owners put off cycling due to the fear of bicycle theft. Anxiety over bike theft is exacerbated when people own higher-value e-bikes and e-scooters. Additionally, space owners face regulations on bicycle parking provision and struggle to manage the surging parking demand for various cycle vehicles.

MOSA's mission is to bring free-to-use smart and secure cycle parking to everyone regardless of their gender, age and income.

Company's patent-pending smart lock technology converts conventional racks into smart and secure parking spaces for various cycle vehicles. With that, space owners and B2B customers can turn their bike parking spaces into intelligent cycle parking hubs.

> Hey! I'm Josh Liu.
> Director at MOSA INNOVATIONS LIMITED.
> Get in touch and learn more!

Active Mobility
Multimodality
Mobility Infrastructure
Accessibility & Inclusivity
City logistics
Public Realm
Future Mobility
Mobility & Energy
Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

YUP

Murwa

Urban parking docks for scooters, bikes & e-bikes

Hardware

Murwa is a parking station with an electric charging system - designed to scale micromobility in cities sustainably.

Micromobility	Docking station	Mobility-as-a-Service

The Murwa model is the ultimate solution for orderly and safe parking of personal micromobility vehicles (PMV) on city streets.

Murwa is a modular, lightweight and 100% compatible with all models on the market.

It can be used for parking/storing of bicycles, scooters or hybrid vehicles.

The station can be integrated into bus stops or similar infrastructure. For most secure private outdoor usage, the station can be upgraded with a security camera system.

Hey! I'm Marc Valero Polo Marketing Specialist at YUP. Get in touch and learn more!

YUP

Belat

Any space locker for orderly micromobility

Hardware

Belat is the right choice for orderly indoor and outdoor micromobility parking.

Micromobility	Docking station	Mobility-as-a-Service

Belat is a product that is committed to micromobility and personal mobility vehicles (PMV), for orderly use and parking.

Belat is a 3-door module for storing and charging e-bikes, e-scooters or e-skateboards. Each of the spaces has a schuko EU plug and two USB sockets with ACT to charge all devices. Each module is supplied in three pieces to be assembled and connected together to the power line, with a maximum of three columns per conventional power line.

Belat is a modular solution, perfect for maximising space inside buildings. Very easy to install and maintain. Ideal for building entrances, receptions or indoor areas.

Belat has an anti-corrosion galvanised steel structure and painted doors. It is compatible with a wide variety of electronic locks.

Hey! I'm Marc Valero Polo Marketing Specialist at YUP. Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Newky

Digital key of mobility and physical world

Software

Newky converts the user's mobile phone into a digital key, providing a matching user and vehicle or access management system or tool, which saves companies time and money while increasing security.

Mobility-as-a-Service   **IoT**   **Smart Cities**

Newky revolutionises access and use of vehicles, devices, and doors.

By using biometric data and identification documents, and SMS verification, Newky converts the user's phone into a secured digital key. It's perfect for mobility-sharing companies, ride-hail apps, micromobility apps, access management systems, and public transport authorities.

With Newky, companies save time and money, increase security, and make sure exact users are on board.

Newky eliminates the need for physical keys, reduces the risk of loss or theft, and provides a secure and efficient way to access vehicles, devices, doors, and systems.

Newky is a game-changer for the mobility and transportation industries, providing a secure and efficient way to access and manage assets.

Hey! I'm Cetin Kosifoglu.
Founder, CEO at TEXINSIGHT - Newky.
Get in touch and learn more!

Bout's

Water transport platform

Software

Bout is a marketplace for boat rides & cruises. The application allows to choose a ride freely between a number of predefined pick-up and drop-off locations to ensure a safe and easy ride.

Water transport   **Behavioural change**   **Mobility-as-a-Service**

Bout is a solution for maritime cities which aim to democratise their seaways for on demand rides. Bout makes the sea and maritime locations accessible for everyone, not just for those who own a boat.

With the mobile app, you can order boat rides between different pickup and drop off points. Pricing is affected by the prevailing local supply. The app automatically calculates the price based on the distance traveled and the size of the boat.

Bout is the platform for finding and providing boat rides & cruises. If you want to travel by the sea, then Bout is the right service for you.

Hey! I'm Joonas Sipari.
CEO at Bout.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the European Union

parabol

Duma

Dynamic urban mobility assistant

Software

Creating accessibility by most accurate, local specific and up-to-date mobility information.

Mobility-as-a-Service · **Micromobility** · **Mapping & Monitoring**

Dynamic Urban Mobility Assistant is a passenger-specific traffic assistant application that informs drivers of private vehicles and bicycles, public transport users and pedestrians about the most accurate information of real-time traffic, incidents, mobility (road work, accident, traffic intensity, parking spaces, etc.)

- Real time traveler information
- Sustainable transportation to the cities as a culture.
- Reporting mechanism that directly brings together city managers and citizens.
- Multimodal analytics for data-based decisions.
- Important step for the city's C-ITS platform.

Hey! I'm Tuğçe Işık.
Marketing Director at Parabol.
Get in touch and learn more!

parabol

Cermoni

Public transport decision support system
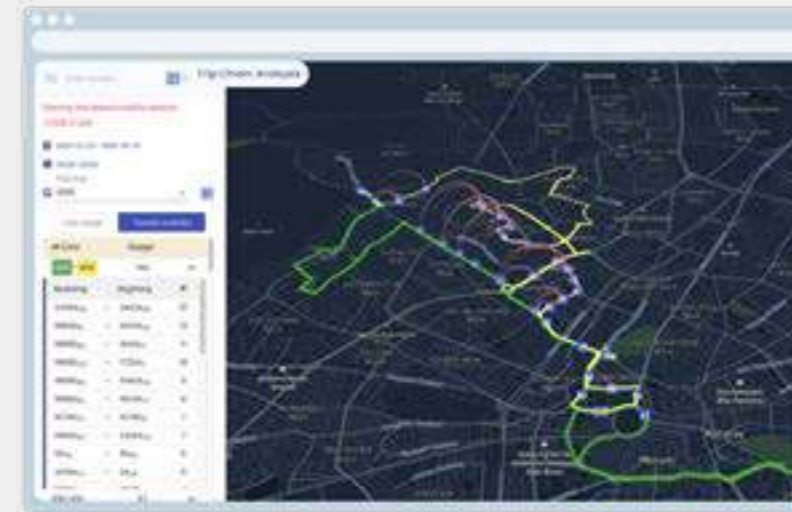
Software

Making public transport preferable by increasing service level, meeting demands and making operations profitable based on the data-driven decisions.

Public Transport · **Mobility Planning** · **Smart Cities**

Cermoni is a big data based public transport decision support system that provides monitoring, evaluating and planning (with optimisation scenarios) of the public transport by providing analytics (micro to macro) to understand travel demands and behaviours and optimisation capacity for efficient operations and strategic decisions.

It aims to reduce cost, environmental negative impacts, increase service level and meet passenger transport demands.

Hey! I'm Tuğçe Işık.
Marketing Director at Parabol.
Get in touch and learn more!

Sidebar (left): Active Mobility · Multimodality · Mobility Infrastructure · Accessibility & Inclusivity · City logistics · Public Realm · Future Mobility · Mobility & Energy · Pollution Reduction

Sidebar (right): Active Mobility · Multimodality · Mobility Infrastructure · Accessibility & Inclusivity · City logistics · Public Realm · Future Mobility · Mobility & Energy · Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Scootable

Micromobility platform for scooters, e-bikes, e-cars

Software

Do not worry about complexity of software and mobile apps, just focus on your operation and branding.

Mobility-as-a-Service   **Micromobility**   **Mobility Planning**

Scootable is a startup company that develops software solutions for micromobility companies that launch their own sharing vehicle business. The company provides turnkey solutions and saves time, money and reputation for customers so they can directly move forward with their business.

- Scootable provides mobile apps, admin panel, IoT communication platform and sustainability for shared mobility companies such as kick scooters, bikes, e-bikes, mopeds and cars as a whole package and companies will attain a turnkey system.

- The system is already integrated with most of the IoTs used in the market and ready to be integrated with any other IoTs that is chosen by the customers so there is no need for a fixed model of IoTs for companies to work with Scootable.

- Customisation, localisation, easy installation and setup with local regulations are also provided and it saves a lot of work load.

Hey! I'm Emrecan Durmaz
General Manager at SCOOTABLE.
Get in touch and learn more!

MeePath

Data platform
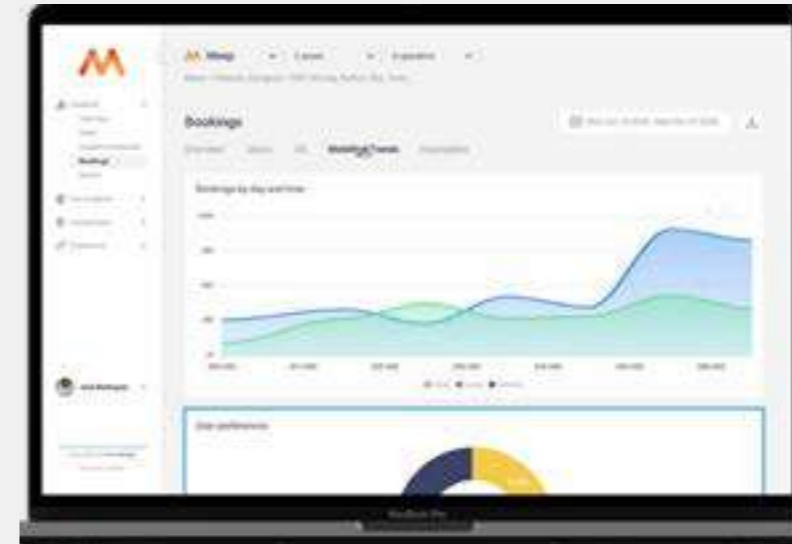
Software

MeePath is a data platform that tracks, describes and predicts the behaviour of a city's inhabitants, providing the necessary information to take decisions based on the power of data.

Mobility Planning   **Mapping & Monitoring**   **Smart Cities**

MeePath is a data platform that integrates private and public data (from users, mobility operators, city services and environmental information). The platform is able to produce conclusions, predictions and simulations, among other features in a dashboard.

Clients have access to analytics, geo analytics, simulations, fleet management, support, user experience and financial data all in one platform.

- Public administrators use MeePath to understand how citizens move and consume city services to better understand how their cities work and how they can adapt them to their citizens.

- Private operators use MeePath to understand how people move, to better manage their fleets.

Hey! I'm Josep Manzur Carrera.
Business Developer at Meep.
Get in touch and learn more!

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MaaS Solution

Software

Meep is an urban mobility platform that integrates all modes of transport and provides users access to multimodal transport and sustainable routes based on their preferences.

Mobility-as-a-Service | **Micromobility** | **Mobility Planning**

Meep's MaaS solution offers a digital mobility ecosystem for operators and cities. The platform with integrated mobility and smart city services includes a multi-modal app, and a data platform to understand how users interact within the ecosystem.

Users can plan, book, and pay for trips in a single transaction, avoiding the use of multiple apps.

Modular and open integration platform

Software

Meep offers a solution to your clients or citizens that integrates a variety of mobility providers and city services internationally in your new or already existing app.

Smart cities | **Mobility-as-a-Service** | **E-Commerce**

A modular, cloud-based platform with APIs/SDK connections to offer a customisable and scalable solution capable of integrating all the data offered by any public or private transport operator.

The deep integrations with transport operators include information, bookings, purchases, validations, prices and rates.

With only 1 integration, Meep helps you offer your citizens or clients access to countless mobility and city services in your new or already existing app.

Hey! I'm Josep Manzur Carrera.
Business Developer at Meep.
Get in touch and learn more!

Hey! I'm Josep Manzur Carrera.
Business Developer at Meep.
Get in touch and learn more!

MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the European Union

Mobility products

Mobility Infrastructure

The physical and digital components needed to transport people and goods reliably and safely.

Mosaic mobile street mapping service

Service

Mosaic's Mobile Mapping Service is a time and cost-efficient service to collect large amounts of accurate data about a desired area. Start using the geo-referenced images to create 3D models, Digital Twins, augmented reality (AR) platforms, and maps.

Streets & Roads   **Mapping & Monitoring**   **Urban planning**

Governments and the private sector are increasingly demanding real-time, highly accurate street-level maps of their cities, spaces, environments, and communities. Mosaic's mobile mapping services use the highest resolution 360° cameras, specifically designed and built for mobile mapping.

Mosaic's mobile mapping service can be tailored to specific needs. It can include any type of environmental mapping contexts such as streets, facilities, bridges, tunnels, railway, assets, vegetation, etc. This service can include damage assessment, site monitoring or virtual surveying.

It is a fitting solution for organisations conducting asset inspections, inventory collection, or surveyors that need a high level of image detail. Smart city planners urgently requiring data capture can benefit from the quick and efficient delivery of Mosaic's service.

Hey! I'm Lynn Puzzo, Marketing Manager at Mosaic. Get in touch and learn more!

FlexCurb planning
By Urban Radar

Software

Streamline decision making on curb planning. Digitise curb and parking regulations in a central inventory. Identify and balance curb supply to city goals. Communicate curb regulations effectively.

Parking   **Urban Planning**   **Streets & Roads**

Diverse and often conflicting uses of street curbs are increasingly common trends.

Curb uses such as loading zones, long-term parking, bus stops, or bike parking need to coexist to achieve an inclusive and efficient use of streets and public space.

FlexCurb Planning centralises curb supply and demand data into an intuitive platform, revealing how curb space is allocated and used. Policy- and decision-makers gain valuable insights to improve access and efficiency, and reduce emissions related to curb and parking space.

Cities are using FlexCurb to:

- Visualise the curb allocation throughout the city.

- Answer questions such as: Is my city ready for the EV revolution? Do my loading zones match the e-commerce surge?

- Inform mobility plans and strategies

Hey! I'm Vianney Senlecq, Strategy & Ops at Urban Radar. Get in touch and learn more!

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

A.S.S.E.S.S
Autonomous system for smart evaluation of structures

VERTLINER

Autonomous road inspector
Traffic signage & road surface detection

ASIMOB

Service

Vertliner provides a platform for autonomous assessments of urban infrastructure. The system embeds robotic technologies, such as drones, to evaluate the health of buildings and construction sites.

Software

With ASIMOB cities can rely on accurate information about the condition of the urban road infrastructure.

Urban air mobility	Urban planning	Mapping & Monitoring

Urban planning	Streets & Roads	Mapping & Monitoring

Building assessment is a thorough, lengthy, and risky process, disconnected from the construction progress. It requires contractors to physically visit each area to survey dimensions, structural deviations, and anomalies, to ensure the provision of a system compliant with the building's physical specifications.

ARIS is an integrated robotic platform consisting of an autonomous unmanned aerial system (UAS) device, a software tool for data analysis, and a web dashboard that visualises hard-to-reach building assets by traversing confined spaces not easily reachable by engineers.

ARIS empowers key stakeholders of the architecture, engineering, and construction (AEC) sector to remotely survey urban building's assets.

ASIMOB provides the tool for cities to automate the regular monitoring of traffic signs, both vertical and horizontal, as well as damages in the road surface.

It uses lightweight, low-cost devices on-board of commercial fleet vehicles that are programmed to automatically collect video and data from the streets with the established frequency and send them to the cloud.

On the cloud, ASIMOB analyses the obtained data, to extract the relevant information and make it available to road maintenance service providers via its web interface.

Road maintenance managers receive alarms when an incidence is and can easily check the condition of all the traffic signs and road surface from their computer. ASIMOB enables early detection of damages to keep roads in the safest conditions.

Hey! I'm Michael Striligás, Founder / Managing Director at VERTLINER. Get in touch and learn more!

Hey! I'm Ibon Arechalde, CEO at ASIMOB. Get in touch and learn more!

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

RAPID
3D prototyping

Service

Early prototyping of mobility infrastructure changes, along with involvement of citizens in city planning, will result in both avoiding redundant schemes and ensuring success of new schemes in terms of usage and consequent benefits.

Architecture &Design **Citizen Engagement** **Urban planning**

RAPID is a tool for Rapid Prototyping in 3D to support the development of infrastructure changes, such as new cycle lanes, changed pedestrian flows, and any changes to the built environment. Through early prototyping, RAPID supports the production of more effective schemes, which are more acceptable to users and citizens and avoids costly

re-work and problems to be fixed later.
RAPID focuses upon the very early part of this design process:

- It provides a tool that can quickly create a 3D model for a spatial area of interest.
- It allows different designs & options to be viewed quickly by City Planners and others.
- the RAPID model could feed into more detailed processes and CAD models.

The RAPID process consists of:

- Gathering data of the spatial area of interest.
- Generating RAPID 3D models (of the current space and potential changes).
- Exploring behaviour (using AI simulations of pedestrians, car drivers, etc).
- Using the models to interact and engage with decision-makers, citizens, etc.

Hey! I'm Michael King,
Consultant at PixelMill.
Get in touch and learn more!

VePa
Vertical parking

Hardware

VePa provides the most space-efficient and sustainable parking infrastructure to facilitate the transition from traditional to zero-emission mobility concepts. VePa rethinks parking and mobility!

Parking **Architecture & Design** **Streets & Roads**

VePa helps companies and institutions to create efficient parking space or convert existing space into vertical parking. The VePa Tower vertically stores 12 cars in an area of two parking spaces (corresponds to approx. 40 m2). In this way, the potential usable areas of real estate and within cities can be fully exploited and large amounts of CO2 are saved.

This means that parking spaces can either be created efficiently and sustainably, or existing parking spaces can be converted and used for other purposes.

With add-ons such as electric charging stations, photovoltaics, facade greening and advertising space, VePa Towers fit well into existing environments and offer a wide range of possible uses.

The VePa Tower is a vertical parking system that works according to the circulation principle based on the established paternoster technology and is driven by an economical electric motor. VePa commits to the highest standards of quality, safety and aesthetics.

Hey! I'm David Schoen,
Co-Founder at VePa - Vertical Parking.
Get in touch and learn more!

Active Mobility
Multimodality
Mobility Infrastructure
Accessibility & Inclusivity
City logistics
Public Realm
Future Mobility
Mobility & Energy
Pollution Reduction

Active Mobility
Multimodality
Mobility Infrastructure
Accessibility & Inclusivity
City logistics
Public Realm
Future Mobility
Mobility & Energy
Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Vianova Curb Manager

Software

Vianova's curbside management tools enable cities to dynamically manage parking and loading zones to improve safety, reduce congestion and pollution, as well as repurpose space for new needs.

Parking   **Urban planning**   **Streets & Roads**

End the chaos of the curb and deliver on your priorities for public space usage. Vianova's curbside management tools support includes:

Curb mapping
- Easily make an inventory of and visualise curbs within a single interactive interface.

curbs within a single interactive interface.
- Translate curb regulations into a single source of truth that can be easily updated and pushed via open data.

Curb planning
- Analyse, measure, and improve curb usage to meet goals.
- Set new priorities to improve public transport reliability, goods delivery, passenger pick-up and drop-off, and other needs.
- Model alternatives and evaluate their potential downstream effects.

Curb compliance
- Use Curb Manager to ingest and interpret curb usage data as compared to regulations.
- Create a feedback loop to improve policies as well as reset prices and access based on local priorities.

Hey! I'm Thibaud Febvre
Co-founder and COO at Vianova.
Get in touch and learn more!

Mosaic X
360° camera for 3D modelling and mapping

Hardware

Mosaic X is a purposely-built, top quality mapping camera that allows accurate 3D reconstruction and coloring of point clouds.

Streets & Roads   **Mapping & Monitoring**   **Urban Planning**

Designed and built from the ground up to quickly capture image data and create 360° and 3D images, faster than any other solution. Ideal for photogrammetry, 3D modeling and mapping!

- Global shutter sensors
- 6 x 12MP sensors / Full pano 78 MP
- 13K Resolution
- Onboard GNSS
- Sealed, water and dust-resistant housing
- Protected lens, easily replace lens covers when scratched
- Max 10 FPS
- Excellent data capture in tunnels
- Easy to manage (1 driver with almost no training)
- No need for computer in a vehicle
- Integrate with additional device

All Mosaic cameras

- Deliver exceptional quality photorealistic street-level image 360° data
- Reliably operate in harsh weather (Temp: -10° - 45°) & climate conditions (Humidity Range of 0-100%)
- Come non-vendor locked, so users can choose the software solution that fits their needs

Hey! I'm Lynn Puzzo,
Marketing Manager at Mosaic. Get in touch and learn more!

Mosaic Viking

360° high resolution camera for urban mapping & surveying

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Hardware

22K resolution captures EVERY last detail, delivering the highest-caliber data possible! Create detailed maps of entire countries using extremely high-resolution images.. Generate detailed 3D models of large-scale environments.

Streets & Roads   **Mapping & Monitoring**   **Urban planning**

Best-in-class 360° mobile mapping camera with global shutter for 3D modeling, Digital Twin creation, and AR platforms.

Designed and built from the ground up to capture the finest detail of extremely large spaces, in the most extreme situations.

- Six 31-Megapixel APS-C image sensors
- Global Shutter
- Equirectangular Resolution 180MP
- 12-bit uncompressed RAW images
- Resolution of the Stitched Panorama: 22K
- Max FPS: 5 FPS
- Live image preview

Hey! I'm Lynn Puzzo,
Marketing Manager at Mosaic.
Get in touch and learn more!

Mosaic 51

Durable 360° camera for urban mapping & surveying

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Hardware

To facilitate the transition from traditional to emission-free mobility concepts and provide the most space-efficient and sustainable parking infrastructure.

Streets & Roads   **Mapping & Monitoring**   **Urban planning**

Mosaic 51 is a robust 360° camera for mobile mapping, street view, surveying, infrastructure inspection, and related 360° imaging applications such as VFX & HDR light probes for CGI backplates.

- Designed and built from the ground up to be durable and future-proof
- 10fps h.264 (120Mbps per sensor)
- 7fps 12-bit Compressed RAW (up to 8:1) in full resolution (coming Q4)
- Onboard hot-swappable USB 3.0 storage

- External storage over ethernet via NFS
- High-end precision GPS with Dead Reckoning +/- 1 meter
- 6-axis IMU (fully functional Q4 2022)
- Sealed and water-resistant housing
- Protected lens, easily replace lens covers when scratched or smudged.

Hey! I'm Lynn Puzzo,
Marketing Manager at Mosaic.
Get in touch and learn more!

MOBILITY INNOVATION Marketplace

54   55

eit Urban Mobility

Co-funded by the European Union

FlexCurb Driver

Urban Radar

Libelium

Smart parking sensor

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Software

Equip drivers with better access to loading zones. Reduce emissions. Double parking. Improve city's understanding of curb needs.

Hardware

Dual detection technology for 99% accuracy in identifying parking space availability.

Last-mile **Parking** **Streets & Roads**

IoT **Streets & Roads** **Mapping & Monitoring**

FlexCurb Driver app facilitates easy access to loading and unloading zones for freight drivers.

By assisting daily operations, drivers locate and use the most suitable and closest parking spaces to their destination while ensuring compliance with local regulations.

When integrated with Urban Radar's FlexCurb Planning, cities gain a better understanding of the patterns of use of loading zones to refine curb allocation, improving logistics efficiency and use of curb space.

Urban Radar is trusted by the EIT Urban Mobility and urban planners all across Europe to make our cities more liveable, inclusive and safer.

Smart Parking is a radar sensor device that allows the detection of parking availability indoors and outdoors.

Libelium has integrated radar technology in detecting the availability of parking spaces aiming to meet the growing demand for greater precision of smart parking devices.

The new smart parking node improves detection and stability performance thanks to a radar sensor that allows precise detection (99%) of vehicles parked over the device.

Hey! I'm Vianney Senlecq.
Strategy & Ops at Urban Radar.
Get in touch and learn more!

Hey! I'm Andrea Horcas Nogales
Smart Cities Sales Manager at Libelium.
Get in touch and learn more!

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

DataJiro AI

People counting systems in public transportation

Software

With accurate and instant passenger occupancy data, you can set the right number of vehicles, stops and drivers for each route. Costs decrease and passenger satisfaction increases.

Smart Cities **Mapping & Monitoring** **Resource efficiency**

Artificial intelligence model by dataJiro can find information such as the start and end of the journey, the number of passengers, vehicle speed and location with 99.9% accuracy. The artificial intelligence model developed has achieved an extraordinary success as a people counting system not only in taxis but also in all public transportation vehicles.

With dataJiro AI:

- You can optimize the number of vehicles, drivers and stops on the route with live or historical data.
- You can prepare in advance by simulating according to different possibilities.
- You can reduce costs while increasing passenger comfort and satisfaction.

DataJiro has successfully completed the City Raptor Istanbul (Passenger Discrimination) project. The solution has been approved by the Istanbul Metropolitan Municipality.

DataJiro identified the taxi drivers who discriminated using artificial intelligence. A discrimination score was revealed for each taxi.

Hey! I'm Umut Akyol, Product Manager at dataJiro. Get in touch and learn more!

Parkey

B2B platform for flexible parking use

Software

Parkey increases office parking lot utilization by allowing employees to book and release parking spots on a daily basis.

Parking **Mobility-as-a-Service** **Corporate Mobility**

Parkey is a B2B platform that enables flexible use of a company's parking spots so a greater number of employees can commute by car and use the parking lot. The company's unique value proposition is based on low entry cost and a high level of customization.

Corporate parking spots are a very scarce asset for a company and usually most employees don't have one. However, each day up to 60% of office parking spots are not used as people travel, are working from home or are on a sick leave. This creates a big financial waste for a company, but also for other employees that lose time looking for a free spot.

Parkey's mission is to move thousands of cars out of the busy streets of big cities into unused parking lots creating a positive impact on the ecology and sustainability of our cities.

Hey! I'm Paweł Postupalski, CEO at Parkey Sp. z o.o. Get in touch and learn more!

MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity
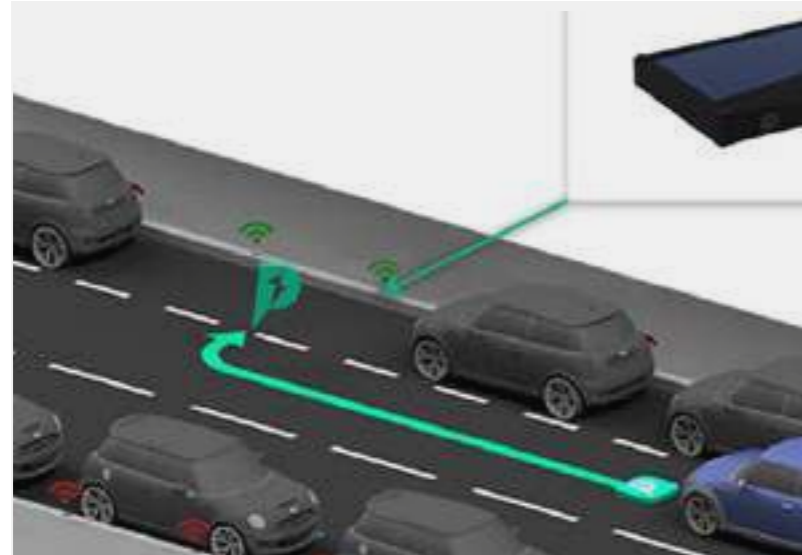
City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Flash Park

Outdoor IoT parking detection sensors

Hardware

Flash Park monitors parking in non-delimited areas. The solution offers mapping of available real-world space available with possible connectivity between the driver and the monitoring sensors.

Parking   Smart Cities   Streets & Roads

Formed in late 2020, Flash Park SL provides a revolutionary solution to efficiently find parking spots in the streets of crowded cities using a network of renewable energy-powered parking sensors. With the usage of cutting-edge technology, these sensors can leverage 5G connectivity to identify free parking spots in real-time and expose this information to third-parties using an own integrable API. Further, the solution includes specific features to detect unauthorised use of protected parking spots, as for instance, those reserved for disabled permit holders, in order to ease accessibility and inclusivity for the cities of the future.

The main point of Flash Park is that it is the only parking/monitoring solution that is meant to be for on and off-street parking, regardless if there are delimited parking spots. Apart from that, sensors can include smartphone connectivity to bring a lot of new use cases as pick and collect ones as in this case users can be identified in the spots.

Hey! I'm Gerardo Lorenzo, CTO at Flash Park. Get in touch and learn more!

METIS

Interoperable mobility analytics and management platform

Software

A full control effect on the traffic network to reduce congestion and make traffic management operations efficient with managing and analysing the mobility of the city from a single center.

Mobility Planning   Mapping & Monitoring   Traffic Management

METIS is an IoT-based, interoperable central traffic management and analysis platform that collects mobility related data from different data sources and turns them into actionable insights and recommendations.

How it can help for you?

- Provides traffic management, control and big data analysis on a single centralized platform.
- Offers full control and management over the traffic network.
- Provides a reduction in traffic congestion and average travel times.
- Provides rapid intervention by providing remote control of systems and devices in the field.
- Reduces the negative environmental effects of traffic by reducing carbon emissions and fuel consumption.

- Contributes to the reduction of material damage accidents in the traffic network with the possibility of rapid intervention.

- Helps to make demand-oriented improvements by providing an understanding of the city's mobility behaviors and travel demands with analysis based on big data.

Hey! I'm Tuğçe Işık, Marketing Director at Parabol. Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION Marketplace

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Lokit Wallbox

Micro-mobility docking station

Hardware

Unlock urban mobility with Lokit Wallbox – the smart, sustainable choice for micro-mobility solutions!

**Parking** **Smart Cities** **Streets & Roads**

Are you striving for cleaner, more efficient urban transportation?
Lokit Wallbox is your solution to transform your city into a model of sustainable mobility! Wallbox is an innovative solution, purpose-built for municipalities, providing seamless charging and secure parking for e-scooters and e-bikes.

Say goodbye to the chaos of scattered micro-mobility vehicles on your streets.

With Lokit Wallbox, you'll not only enhance the quality of life for your citizens but also boost the appeal of your city. The Wallboxes are designed to fit seamlessly into your urban landscape.

Lokit Wallbox offers advanced features like digital advertising displays, data analytics, and security cameras, giving you a robust platform to manage your city's micro-mobility infrastructure efficiently.

Hey! I'm Gianmarco Padovano, CEO at Lokit Technology Srl.
Get in touch and learn more!
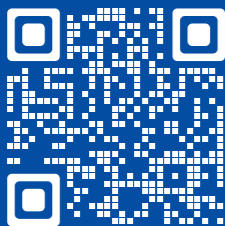
NOVALITY

Smart parking solutions for bikes & scooters

Software

Secure parking stations for bicycles and scooters responding to the needs of the new urban mobility.

Mobility Planning **Mapping & Monitoring** **Traffic Management**

NOVALITY is a safe & smart parking solution designed to fit with the urban micro-mobility vehicles users' needs.

All stations provide individual lockers and electric charging points to leave your vehicle, helmet and other belongings in total privacy.

Space is optimised by offering 10 lockers in only 5x2m: equivalent to a car parking space, fitted with solar panels for energy self-sufficiency. Stations can be implemented as well as underground or hybrid (semi-underground) stations.

NOVALITY's technological platform uses PLC-based software that integrates the telematic management of parking stations, encrypted communications and the flow of reservations by users.

Users registered in the app can access any geolocated parking in the network, allowing reservations to be made before arrival. The app can be connected to other transport systems, thus facilitating intermodality. Network data on mobility flow metrics through Big Data can be provided to our public or private sector clients.

Hey! I'm Francisco Marqués, CEO at SURBAN.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION Marketplace

Co-funded by the European Union

Rastel.io

Modular, smart and secure bike shelter

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Hardware

A smart and secure bike shelter, accessible through a mobile app that promotes active mobility by providing a safe parking space and also incentivises active mobility by rewarding cyclists.

Parking   **Smart Cities**   **Streets & Roads**

Are you looking for a reliable and secure bike parking solution?
Rastel.io's innovative smart and secure bike shelter, accessible through an app provides a seamless and hassle-free parking experience. Its compact design requires only half a car parking space, accommodating up to 6 bikes.

Need a different size? Rastel.io's modular units can be customized to fit 4-8 bikes, tailored precisely to your requirements. What's more, these units can be easily linked together, creating larger shelters that adapt to any available space.

With the app, cyclists can check real-time shelter availability, reserve spots in advance, and park securely once they reach the destination. Rastel.io's robust authentication system ensures that only authorised users can access the shelter, giving cyclists peace of mind and protecting bikes from theft, vandalism, and the unpredictable elements of weather.

Hey! I'm Horea Toniuc,
CEO at RASTEL.IO SOLUTIONS SRL.
Get in touch and learn more!

Happy City

Digital parking for shared micromobility

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Software

A full control effect on the traffic network to reduce congestion and make traffic management operations efficient with managing and analyzing the mobility of the city from a single center.

Mobility Planning   **Mapping & Monitoring**   **Traffic Management**

Sparkpark is delivering a global patented digital parking-infrastructure, for any type of shared micromobility vehicle, with the highest precision.

Sparkpark helps to the development of the market for a sustainable future for shared micromobility by introducing the company's high precision parking technology, which is a missing component of the ecosystem.

Happy City® makes parking of shared electric vehicles organized and safe. The combination of own developed hardware and software in Happy City®, makes parking of electric vehicles organized and safe.

The general public, local authorities, rental companies, and e-scooter users are all connected through Happy City®. Using its special patented technique for determining whether electric vehicles are inside a designated parking zone. The same APP that was used to rent the e-vehicle serves as the hub for the entire procedure.

Hey! I'm Thomas Braaten,
Cofounder - CFO at Sparkpark AS.
Get in touch and learn more!

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Mobility products

Accsessibility & Inclusivity

Making transport and urban planning more inclusive and accessible.

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Factual DRT monitoring dashboard

Sofware

Fostering demand-responsive transport serves as a strategy to decrease private car ownership. Empowering both cities and private enterprises to adopt sustainable mobility solutions aligns with Factual's mission.

Corporate mobility   Mobility planning   Behavioural change

Factual DRT monitoring dashboard is a mobility planning tool developed in AWS environment. The DRT monitoring dashboard enables private entities and public authorities to assess opportunities to implement and monitor on-demand mobility services.

The DRT dashboard provides:

- Visualisation and analysis of customisable indicators (e.g. satisfaction).
- DRT service monitoring based on a predefined list of KPIs.
- Direct connection with the centralised DRT service.
- Extraction of valuable reports for the city and/or the operator.
- Possibility to gather data from multiple operators.
- Comparison between different DRT services.
- Evaluation of future DRT services

This dashboard will help responsible authorities to make informed decisions related to their DRT services.

Hey! I'm Marc Figuls
Managing partner at Factual.
Get in touch and learn more!

Liquid Guard

Supplies

Liquid Guard® guarantees the disinfection of all treated surfaces. This maximises user safety, which in turn increases users' confidence in using the shared service or area.

Clean spaces   Public transport   Shared mobility

COVID-19 has jeopardised the financial viability of shared vehicles and areas on two different fronts. It has led to a decrease in number of users, followed by an increase in the operational costs due to the necessary additional sanitation measures.

A self-disinfecting surface able to provide permanent and passive protection for users provides a solution to this issue. For this purpose, Nano-Care has developed Liquid Guard®, a nanotechnology-based product able to eliminate microbes, including viruses, bacteria, and fungi. It can be applied on vehicle surfaces as well as textile parts such as helmets. User safety is therefore maximised.

Liquid Guard® is applied once directly onto the surface of the vehicle, after which it stays active. Additional human intervention is not needed, thus reducing the costs for the service providers, and increasing user safety.

Hey! I'm Xavi Bellmunt,
CEO at Nano-Care Ibérica, S.A.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Long clean surface

Supplies

Long Clean Surface provides permanent disinfection to public spaces and transport. This brings safety to users while reducing maintenance costs to service providers.

Clean spaces   **Public transport**   **Shared mobility**

The products currently used in disinfection of public spaces and transport are mostly bleach and soap. These are very effective against COVID-19, but their action is instantaneous and is not long-lasting. This implies significant maintenance is required, with corresponding costs.

Long Clean Surface aims to revolutionise the world of disinfection of public spaces with a formulation that provides permanent disinfection. It can be applied on common surfaces such as glass, metal, plastic and ceramics, making it ideal for public areas and transport.

It has been tested to have 99.9% efficiency against COVID-19, therefore virtually eliminating the possibility of contact transmission when using these services.

The use of Long Clean Surface in public spaces will reduce maintenance and cleaning costs for these spaces.

Hey! I'm José Javier García Pardenilla.
Managing Director at DITECPESA, S.A.
Get in touch and learn more!

Nemi
Demand-responsive transport

Software

Nemi makes public transport in low-density areas feasible by providing a software solution that enables flexible bus services.

Mobility-as-a-Service   **Corporate mobility**   **DRT**

Nemi is an on-demand transport platform. It was created using space technology to solve an increasingly relevant social issue: accessibility to and efficiency of public transport services in contexts of low demand, that includes not only sparsely populated peri-urban and rural areas with no or very limited access to public transport both also off-peaks travel times in a more urban setting. Nemi is a tool for managing flexible bus services which includes:

- The deployment of fully demand-responsive lines.
- The hybridisation of regular lines by including request stops.

- The hybridisation of regular lines by operating them on demand during off-peak hours.

With Nemi, public transport operators can optimise their services making transport more

Hey! I'm Lisa Grace,
CMO at NEMI Mobility Solutions SL.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Sideline
Mobile & Ecological car wash

Supplies

Sideline provides mobile eco-friendly car wash services anytime, wherever users are.

Clean spaces
Social inclusive jobs
Resource Efficiency

Sideline offers a platform that lets users book car cleaning services anytime, anywhere, whenever they need. They wash cars in an eco-friendly way with less than one litre of water per car, instead of the standard 200 litres.

To use their services, users download the Sideline application onto a phone, create a profile and select the service needed. Once booked through Sideline, the algorithms search for the closest available car washer. The car washer arrives by bike to wash the vehicle by using the environmentally friendly products without the need of electricity. This process saves resources and reduces the carbon footprint.

As a social-inclusive company, Sideline creates job opportunities for vulnerable communities by employing refugees. To enforce their mission, Sideline builds on partnerships with governmental refugee centres and NGOs to support their integration into the labour market.

Hey! I'm Reihaneh Hajishirzi.
CEO and Co-founder at Sideline.
Get in touch and learn more!

VEOMO
Mobility monitor

Software

With real time data of local mobility options highlighted and easily visible in one place, VEOMO empowers people to take better choices for more sustainable mobility behaviour.

Mobility planning
Mapping & Monitoring
Smart cities

The VEOMO Mobility Monitor simplifies access to information on available sustainable mobility services. It promotes the use of sustainable alternatives in the local environment by showing all services in real time on monitors or screens of any kind. It can also be integrated directly into any third-party software or app.

One screen, one look, multiple options.
On the VEOMO Mobility Monitor, users can find:

- Departure times and walking distance to nearby public transport stations.
- Shared mobility options, such as car-sharing, bike-sharing and other on-demand mobility services.

VEOMO pulls information directly from the service provider to show available options in real-time in a specific area. By providing easy access to information about sustainable mobility services within daily routines, the mobility behaviour of citizens, employees, and visitors can be changed.

Hey! I'm Haris Suta
Head of Sales at
Veomo Mobility GmbH.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Zipforce Slim

eBike kit

Hardware

Zipforce is a portable and light easy-to-assemble electric motor that turn any bicycle into an electric bicycle.

Electrification

Resource effieciency

Retrofitting

Zipforce Slim is a new generation of e-bike kits to convert your bike into an e-bike. It is the lightest on the market, quieter than the previous model and with a fully charged battery it lasts up to about 40 km. With the new wireless sensor mounted on the pedal arm, installation is much faster than before.

Everything you need to ride electrically with Zipforce is included - motor, battery, charger, wireless pedaling sensor and bike mount.

How does Zipforce work?

The wireless pedaling sensor is activated when you pedal and the motor provides assistance. With Zipforce, you can cycle up to 25 km/h, which is the maximum speed allowed for e-bikes. Zipforce has an adjustable assistance level, so you can set how much you want it to help power your bike. You can change the assistance level infinitely with a control on the motor or via the Zipforce mobile app.

Hey! I'm Niloofar Niknam.
Head of Growth at Zipforce.
Get in touch and learn more!

MOBILITY INNOVATION
Marketplace

Zipforce Distance

eBike kit

Hardware

Zipforce is a portable and light easy-to-assemble electric motor that turn any bicycle into an electric bicycle.

Electrification

Resource effieciency

Retrofitting

Zipforce Distance is a new generation of e-bike kits to convert your bike into an e-bike. It is quieter than the previous model and the range with a fully charged battery is up to about 70 km.

With the new wireless sensor mounted on the pedal arm, installation is much faster than before.

Everything you need to ride electrically with Zipforce is included - motor, battery, charger, wireless pedaling sensor and bike mount.

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Hey! I'm Niloofar Niknam.
Head of Growth at Zipforce.
Get in touch and learn more!

eit Urban Mobility

Co-funded by the
European Union

Cognata
Safety digital twins for smart cities

Service

Award-winning 4D urban safety planning tool for "Vision Zero" Initiatives.

Digital Twin · **Safety** · **Mapping & Monitoring**

Cognata's solution for road safety enables you to test different traffic and safety scenarios, identify potential hazards and examine infrastructure alternatives to reduce the risk of accidents, as well as balance safety and traffic flow for all road users.

Cognata creates accurate digital twins of real-world environments, complete with AI-based traffic agents for various road users. The company's platform generates large-scale traffic simulations and provides insightful analysis and reports regarding safety and traffic flow.

With Cognata you can now make informed decisions based on accurate data, leading to a smarter, safer city.

Hey! I'm Omri Reftov,
Innovation Programme Manager
at Cognata Ltd.
Get in touch and learn more!

WaveOut
The platform for audio augmented reality navigation

Software

See the world through your ears! The latest technology of waveOut platform brings a non-intrusive audio layer to navigation systems by allowing users to simply follow sounds to find their way.

Augmented reality · **Inclusive Mobility** · **Navigation**

Way-finding is a fundamental part of the lives of billions. From cyclists to visually impaired people, there can be a better way of navigating urban environments without heavily relying on visual directions - AR Sound. This is why waveOut provides an intuitive, seamless and hands-free audio navigation. 3D sound points are placed along the users' routes. The sounds feel anchored in the "real world" and the users simply need to follow them one after the other to get to their destination.

WaveOut app aims to develop and deploy the best audio way-finding experience. This lays the foundations for a plug-and-play solution with a B2B licensing model for the customers that look to add an audio AR layer to their existing navigation experience.

With the B2B navigation app market waveOut addresses a 2.6B Euro serviceable available market. On a mission to redefine the AR audio experience, waveOut is looking to raise to €1M by Q1 2023 to reinforce the team of developers and, fast-track sales contracts.

Hey! I'm Hugo Furtado,
CEO at Dreamwaves GmbH.
Get in touch and learn more!

Active Mobility · **Multimodality** · **Mobility Infrastructure** · **Accessibility & Inclusivity** · **City logistics** · **Public Realm** · **Future Mobility** · **Mobility & Energy** · **Pollution Reduction**

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Mapalyse
Public Participation GIS tool

Software

Increase citizen engagement by collecting public opinions to understand mobility behavior and desires within map-based mobility surveys and analytics tools.

Citizen Engagement　　**Mapping & Monitoring**　　**Streets & Roads**

Mapalyse is a public participation GIS tool for the effective multimodal mobility management by mobility surveys and map-based analytics.

- Route drawing on the map by selecting the mode of transportation

- Map-based analysis of settlements, preferred modes of transport, etc. in a fast and easy way.
- Analyzing the locations of dangerous points that will threaten traffic safety on the routes and their effects on mobility behaviours.

Usage Areas Example:

- Mobility behavior analysis and management of employees for companies, institutions, etc.
- Mobility behavior analysis and management of students and parents, routes to school, etc.
- Potential danger points, settlements, etc. representation and analysis.

Hey! I'm Tuğçe Işık,
Marketing Director at Parabol.
Get in touch and learn more!

Safely
Road safety analytics system

Software

Increase road safety for all transportation modes by making effective decisions based on a data-driven solution.

Safety　　**Mapping & Monitoring**　　**Streets & Roads**

Safely converts accident-based data and information into highly accurate analyses to provide a high accident density area for all road users (including vulnerable ones), road network risk ratings and cause-effect relationships to enable effective, data-based strategic decisions that will improve road safety.

Hey! I'm Tuğçe Işık,
Marketing Director at Parabol.
Get in touch and learn more!

Active Mobility
Multimodality
Mobility Infrastructure
Accessibility & Inclusivity
City logistics
Public Realm
Future Mobility
Mobility & Energy
Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Karos Mobility

Carpool platform for daily commuting

Software

Karos is the best AI-powered carpooling mobile app that offers optimized door-to-door itineraries. With Karos, carpooling becomes reliable, flexible and seamless, just like taking public transport.

Citizen Engagement   **Mapping & Monitoring**   **Streets & Roads**

Karos Mobility offers the most reliable carpooling service for daily trips in Europe. The company's goal is to provide a sustainable mobility solution for rural and suburban areas, where driving a car is most of the time the only solution.

To do so, Karos Mobility works with companies willing to develop a carpooling service with exclusive benefits for their employees, and it collaborates with local authorities to set up a carpooling service adapted to the needs and specificities of their area; an inclusive mobility solution contributes to improving the accessibility of company sites and enhancing the purchasing power of employees (+97€/month).

The company also helps to reduce CO2 emissions for companies and regions in a significant way (+13,600 tons of CO2 emissions avoided since the creation of the service).

Hey! I'm Louise Ranchin,
Junior project manager - International development at Karos Mobility.
Get in touch and learn more!
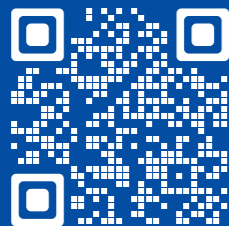
WeSolve

Community engagement App

Software

Gather data through engagement and understand the wants and needs from your communities and citizens by implementing them direction into your decision-making process through our holistic framework!

Safety   **Mapping & Monitoring**   **Streets & Roads**

WeSolve offers you a holistic and inclusive engagement tool, which allows you to understand your communities by actively engaging them in the creation of tomorrow!

Community engagement has become the pillar of co-existing in a piece within local municipalities and co-creating sustainable and lasting solutions for a higher quality of life are essential to economic development.

WeSolve's digital tool lets you create targeted engagement activities such as surveys, polls, idea collections, or the sharing of life experiences that give your communities and citizens the possibility to feel and be heard. Gather and share knowledge through your community in engaging ways and let them lead the discussion.

Through the integrated AI-driven translation module WeSolve you fill in cultural gaps and breach the language barrier by engaging easily in over 60+ different languages and communicating clearly without misunderstandings. Engage your community now and focus on their tomorrow!

Hey! I'm Hendrik Fischer,
Innovation Project Manager at Social Tech Projects.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Mobility products

City logistics

Optimisation of urban services and goods delivery.

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Dynamic Route Optimisation, Mobile Driver App & Tracking

optiyol

Software

Optiyol is a B2B SaaS which helps retailers and carriers with end-to-end optimisation of logistics; from planning with advanced algorithms to execution with a driver app providing visibility.

Last-mile   **Fleet management**   **Mapping & Monitoring**

Optiyol is a cloud-based delivery management solution that offers a route optimisation engine and a mobile driver app with live tracking capabilities for both dispatchers and end customers.

Optiyol is used for automation and optimisation of last-mile operations in logistics, CPG, retail, and e-commerce industries.

Compared to traditional methods, Optiyol reduces last-mile transportation costs by 20%, improves on-time delivery rates by 30%, and increases end-to-end visibility of field operations.

Hey! I'm Tuba Yilmaz Gozbasi.
Co-founder & COO at Optiyol.
Get in touch and learn more!

optiyol

MOBILITY INNOVATION
Marketplace

Meight
Transport fleet management

M8 Driving Together

Software

Meight is the most advanced carrier software to boost profitability, scale operations and retain truckers. Meight's patented technology makes you run your cargo on budget and on time.

Fleet management   **Behavioural change**   **Connected mobility**

Decarbonising road transport has proven exceptionally difficult due to a lack of suitable technologies. In fact, 65% of all the EU road freight companies are currently not using digital fleet management or telematics solutions to optimise their daily operations.

Based on cutting-edge data science, Meight developed an intelligent telematics solution that allows road freight businesses to immediately reduce their carbon emissions by 20%, save fuel costs, benefit from full digitisation, and safely transition to future-proof technologies such as electric HCVs.

This solution uses machine-learning to optimise the efficiency of the entire fleet by improving, for the first time, each individual driver's performance.

This solution allows small businesses to recoup their technology investments quickly, with return on investment (ROI) achieved in 1.5 months.

Hey! I'm Pedro Bilou,
Operations Coordinator at Meight.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Fret Impact
By Urban Radar

Software

Key data metrics and visualisations for cities, regions, and towns to:

- Understand local freight traffic.
- Inform public policy decisions .
- Improve air quality

Urban planning   **Traffic management**   **Last-mile**

Urban Radar cloud-based software aggregates real-time mobility and infrastructure data into a platform for planners. It provides visualisation, analytics, and predictive features.

The platform works with different products. Fret Impact combines strong urban expertise and data platform technology to offer a full understanding of traffic and streams in logistics activities parks.

- Understand freight traffic flows
- Compare logistics parcs
- Facilitate decision making at scale

Hey! I'm Vianney Senlecq, Strategy & Ops at Urban Radar. Get in touch and learn more!

MOBILITY INNOVATION Marketplace

Urban Logistics
By Urban Radar

Software

To benefit from a global vision of local delivery activity to implement policies for more efficient and sustainable urban logistics planning by:

- Enabling low emission zones.
- Reducing congestion
- Adapting the curb

Last-mile   **Urban planning**   **Mapping & Monitoring**

Urban Radar cloud-based software aggregates real-time mobility and infrastructure data into a platform for planners. It provides visualisation, analytics, and predictive features.

The platform works with different products. Urban Logistics by Urban Radar combines strong urban expertise and data platform technology to provide planners with delivery patterns and trends within cities.

The platform helps planners to:

- Understand correlation between loading zones and actual deliveries.
- Measure delivery volumes
- Map available loading zones

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Hey! I'm Vianney Senlecq, Strategy & Ops at Urban Radar. Get in touch and learn more!

eit Urban Mobility

Co-funded by the European Union

Cargo-bike Parcels Box

VANaPEDAL

VONZU
Last mile logistics management platform

vonzu

Hardware

Minimising the time required to transfer high volumes of parcels at cargo-bike hubs is crucial for establishing new sustainable logistics chains.

Software

Vonzu's purpose is to digitise the logistics sector. We give our customers full control of their supply chain to ensure that the delivery of their products completes an exceptional brand experience.

Last-mile **Traffic management** **Fleet management**

Last-mile **Fleet management** **Mapping & Monitoring**

Built of glass-fibre, and able to accommodate the direct transfer of parcels loaded on a Euro Pallet, the Parcels Box was trialled in the HALLO project. The time for transferring goods onto the cargo-bike was halved; these savings occur mid-morning and are important for cargo-bike fleet operators aiming to improve express delivery service perfor-

mance. The Parcel Box is compatible with GWW's XCYC Pickup, a modern and robust cargobike certified to various standards including EN 15194 and DIN 79010: 2020-02.

Innovation is seen in details like the small rubber blocks that can be inserted in the rear side of the box to enable vertical positioning of the bike+box unit; this results in efficient storage (hub space is always limited) and easier handling for bike maintenance tasks.

Other details include the vibration dampers, the 3-point secure door lock and the side panels prepared for publicity.

Vonzu is a software solution for logistics and distribution management. The solution creates a digital ecosystem that automates and optimizes the logistics of retailers and logistics operators so that they have control of the best experience for their customers.

The company's goal is for our customers to take control of their supply chain to ensure that the delivery of their products completes an exceptional brand experience and thus generates another variable of preference.

Vonzu connects your partners and logistics processes through a single platform:

- Customer-centric: We connect your brand with your consumers, ensuring maximum satisfaction and transparency in deliveries.

- Business driven: Control the supply chain and make data-driven business decisions in real time.
- Simple: Our system is quick to integrate and easy to use.
- Flexible: Adaptable to the different realities of each retailer and logistics operator.

Hey! I'm Simon Hayes,
Market Development at VANaPEDAL.
Get in touch and learn more!

Hey! I'm Mariana Jota,
Strategy Manager at VONZU Tech.
Get in touch and learn more!
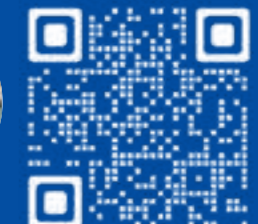
MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

VOOVOO

Preventing reckless driving

Hardware & Software

VOOVOO can proactively prevent speeding and aggressive driving for commercial fleet owners. It is designed to fit almost any vehicle type, is easy to implement and brings immediate safety results.

Fleet Management   **Safety**   **Mapping & Monitoring**

What is VOOVOO?

VOOVOO isn't just another fleet management tool. It's a guardian for every vehicle in your fleet. While traditional systems merely monitor and report, VOOVOO intervenes in real-time, preventing risky behaviours like speeding and aggressive driving before they lead to accidents.

Why Choose VOOVOO?

- Proactive Safety: It doesn't wait for accidents to happen; it prevents them.
- Easy Integration: Seamlessly integrate VOOVOO into your existing fleet management system.
- Cost-Effective: Enhance safety without breaking the bank.

Imagine a world where every vehicle in your fleet operates at peak safety, where accidents due to speeding and aggressive driving are things of the past. That's the world VOOVOO promises. Don't just manage your fleet; protect it.

Hey! I'm Vakhtang Iashvil,
CEO at TTM-Group.
Get in touch and learn more!

MOBILITY INNOVATION Marketplace

Smart Point

Reducing delivery vans in cities

Hardware

Smart Point designs zero emission delivery networks for smart cities. Micro neighbourhood hubs connected via a decentralised routing system, enabling all couriers to deliver 8x more efficiently.

Last-mile   **Smart Cities**   **Streets & Roads**

Smart Point deploys technology and infrastructure that improves courier delivery efficiencies and motivates a transition to zero carbon fleets.

Principally, the company works with Ecommerce and Freight Forwarders, by pooling their parcels for last/mile couriers, so that they can deliver more efficiently to street-level smart-lockers, across Germany, Spain, Portugal, UK, Denmark, and the Netherlands. This is the future, a many-to-many solution, replacing the unsustainable home-to-home delivery option.

Hey! I'm Tom Selva.
CEO at Smart Point.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

BRUNTOR
Last-mile delivery scooter

Hardware

The fastest last-mile delivery vehicle in the city.

| Last-mile | Micro-logistics | Delivery |

The BRUNTOR is an electric kick-scooter with a cargo compartment for last-mile deliveries in urban areas.

This stand-up 4-wheel vehicle is simple and easy to use, with a load capacity of up to 600 litres.

It is 65 cm wide, and 140 cm long. Maximum load capacity is 100 kg, and driver weight – is up to 100 kg. On a single charge, it can ride up to 120 km. The cargo compartment is easily adaptable to customers' needs in size and volume it can carry.

BRUNTOR cargo kick-scooters make deliveries up to 20% more efficient than electric cargo bike deliveries in the cities.

Independent suspension makes riding comfortable and the vehicle can be used on bad roads and cobblestone streets all year. It's perfect for seniors, reducing physical strain. BRUNTOR Cargo can be used on bicycle lanes and car-free zones and can handle obstacles up to 15 cm high.

**Hey! I'm Elvija Vanaga,
Co-founder, COO at BRUNTOR
Get in touch and learn more!**

RiDERgy
SaaS for automatic, low cost, greener EV-fleets charging

Software

Provide a scalable, flexible API-first software to EV owners and fleets to steer the charging process and achieve the lowest charging costs using grid-friendly green electricity and smart algorithms.

| Fleet Management | Electrification | Charging |

Renewable energy resources are volatile in production and prices. For successfully decarbonising electricity production and keeping the grid stable, flexible power demand and batteries are needed. EVs provide both. However, most EV owners don't leverage on this potential, struggling to charge with green energy and low costs.

RiDERgy electrifies and charges fleets efficiently to accelerate EV adoption and 100% renewable electricity, achieving lower costs and less environmental impact for mobility.

RiDERgy's SaaS platform offers an optimised charging schedule and dashboard, and steers charging using smart algorithms and flexible APIs to different systems like chargers, vehicles, inverters, meters and dispatching systems.

By considering power markets, electrical grids, charging infrastructure, the local energy system and mobility data, it increases cost savings, helps grid stability, and assure vehicle uptime.

**Hey! I'm Claudio Geyken
CEO & FOUNDER at RiDERgy.
Get in touch and learn more!**

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

SHQUARED
Micro-Hubs for logistics
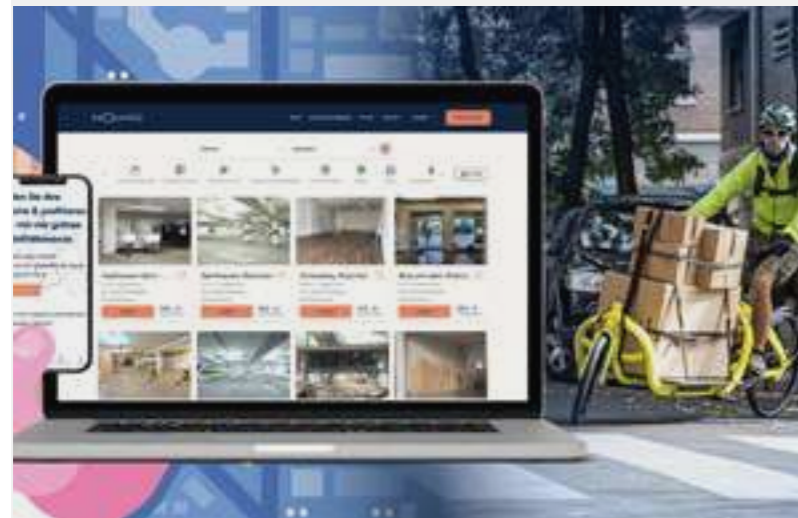
Sofware

A digital platform for micro hubs sharing.

Last-mile   **Micro-logistics**   **Delivery**

With the digital platform for space sharing, SHQUARED has been supporting the sharing of commercially usable spaces for 4 years. The advantages are obvious: resource-saving commercial use goes hand in hand with cost savings and a more attractive and livelier city.

At the same time, new businesses and start-ups are supported and the range of services for the city's population is expanded without the need for new buildings - a win-win situation, simply by sharing unused space.

A pressing problem has now also been discussed in the mobility committee of the state capital Munich - in the future, traffic in the city center is to be relieved and logistics traffic drastically reduced. Traffic and emissions can be reduced through climate-friendly last-mile delivery via cargo bikes.

The transshipment points required for this will be created in existing areas through multiple use. In a pilot project, SHQUARED is now supplementing its successful digital platform with a logistics.

Hey! I'm Christian Kink,
CTO at SHQUARED.
Get in touch and learn more!

Whee!
Cargobike subscription service

Hardware

All inclusive cargo-bike subscription service. You ride - Whee! fixes the rest.
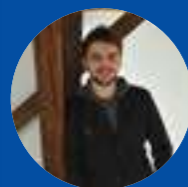
Micromobility   **Mobility-as-a-Service**   **Micro-logistics**

Whee! is Europe's first cargo-bike subscription service. The company empowers the transition from cars to bikes in urban transport. The service includes a high quality cargo bike tailored to user needs, insurance, road assistance, theft replacement and regular maintenance. The tech platform provides a frictionless user experience and drives operational efficiency.

Whee!'s core target is urban families and young, urban commuters. The platform can fit all forms of ebikes, but the company's main focus is in midtails and compact cargo bikes, as this would be the new standard of cargo bikes.

The company is currently developing new offers for new target groups, also within B2B and professional segments.

Hey! I'm Cathrine Movold,
CEO at Whee! AS.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

ProperGate

Smart materials delivery for complex construction sites

Software

ProperGate is an innovative solution that helps reduce the negative impacts of construction projects by providing a digital ecosystem of connected construction sites and material suppliers.

Last-mile | **Heavy-duty** | **Delivery**

ProperGate is a material-centric online collaboration tool that automates delivery and on-site construction logistics management By doing so, it eliminates waste of resources and effortlessly coordinates material flow from suppliers to the site.

The company also effectively allocates on-site equipment and tracks their usage, becoming the one source of truth about scheduled deliveries and delivered materials.

Traditional construction logistics in urban is uncontrolled, inconsiderate, disruptive, and wasteful. Delivery vehicles often arrive on site underutilised, causing traffic congestion and disrupting local residents.

The company helps reduce these negative impacts by providing a digital ecosystem of connected construction sites and material suppliers. ProperGate also addresses the entire supply chain and connects it with on-site logistics, taking care of the end-to-end flow of all materials in the context of tasks in the project schedule.

Hey! I'm Rafal Grudzien,
Co-founder & CEO at ProperGate
Get in touch and learn more!

GeoFluxus

Transparency platform for urban goods and waste flows

Software

geoFluxus helps you to find better alternatives for your future waste processing, and provides reporting on your waste processing.

Mapping & Monitoring | **Circular Economy** | **Goods & Waste**

GeoFluxus integrates a life cycle analysis methodology that helps understand the impact of transport and processing of waste streams. The analytical insights and surfaced alternative processors support the decision-making regarding supply chain sourcing and management.

geoFluxus provides the required support and encouragement to companies to become more sustainable and facilitates the circular economy transition throughout The Netherlands. geoFluxus does this by targeting the way in which companies use and dispose of resources. This provides the transparency that is currently missing in the waste-to-resource sector.

By this we give you a powerful tool to simplify your waste management and boost to your circular ambitions. We guarantee you: a smaller ecological footprint and greater financial can go together.

Hey! I'm Siebren Meines.
Project Manager at geoFluxus.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the European Union

Parkunload
Smart loading zones

Software

Parkunload enables the digital transformation of loading and delivery zones to accelerate the shift towards sustainable city logistics, through a dynamic rather than static regulation of the kerbside.

Mapping & Monitoring   **Roads & Streets**   **Delivery**

Parkunload have designed and developed an innovative solution for Digital Loading and Delivery zones. Parkunload's platform regulates variable parking conditions according to location, time of the day, vehicle type and tonnage, and user's profile.

Parking conditions may be also set-up according to the current city context, providing a dynamic management of the kerbside, rather than static. Parkunload's patented principle of operation, based on mobile apps and Bluetooth, stands out from complex solutions to regulate, control, and monitor Sustainable and smart loading and delivery zones.

- Easy to install, scale and transfer. No road works, mains connection or city's telecom networks.
- 100% digital solution. Extremely easy to use for smartphones and connected cars.
- Dynamic parking conditions according to city context: pollution episodes or health emergency.
- Enabling Low Emissions Zones for urban freight vehicles.
- Cloud-based SaaS platform. Cost effective solution. High ROI.

Hey! I'm Carles Sentis Ros, CEO at Parkunload.
Get in touch and learn more!

MOBILITY INNOVATION
Marketplace

Tymap
A real-time delivery and fleet tracking platform

Software

The delivery solution that saves money and time.

Last-mile   **Fleet Management**   **Delivery**

Tymap is a logistics startup (B2B2C) that offers real-time order tracking. It addresses the challenge of green cities by reducing the carbon footprint by up to 60% and saving fuel.

The platform connects logistics companies with their customers in real-time, addressing customer demands while optimising delivery processes.

The proposal is characterised by its originality and innovation, with a primary objective of fostering positive changes in the current logistics landscape, ultimately enhancing efficiency and sustainability.

Hey! I'm Hey! Tamara Gívica, CEO at Tymap OÜ.
Get in touch and learn more!

eit Urban Mobility

Co-funded by the European Union

Mobility products

Public realm

Re-allocation of urban space for people, including tactical urbanism and street experiments.

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Gocleer

Mobility data platform

Software

A modular platform to help insurers, corporates and city councils to enable customer engagement and promote sustainable mobility.

Behavioural change   **Mapping & Monitoring**   **Incentification**

Gocleer helps cities and companies in accelerating the collective adoption of sustainable, safer, and active mobility.
We promote the transition to a climate-friendly, safe and active mobility based on our triple-impact model including Users, Environment and Society.

Using AI, we automatically identify and classify: transportation modes, trip purpose, lifestyle profiling and driving behaviour.
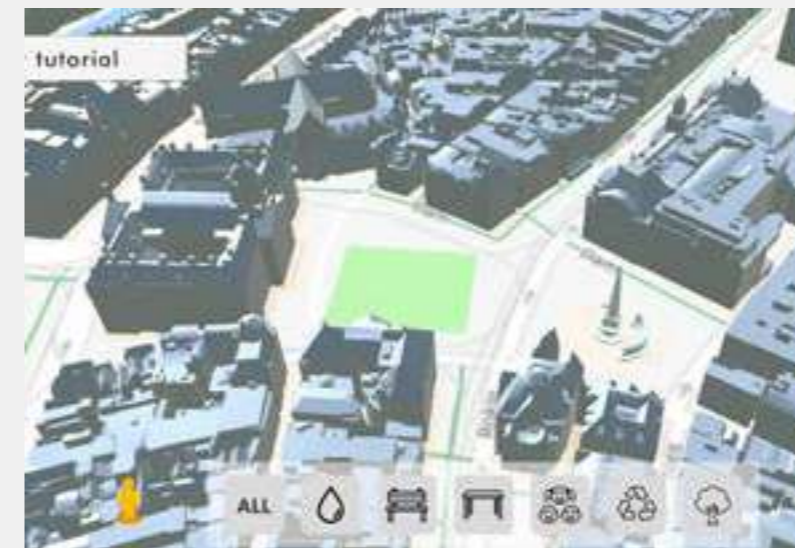
Our white-label and branded-tech platforms are built to attract new customers and improve relationships with existing ones.

Hey! I'm Antonio Morales,
CEO and Co-Founder at Gocleer.
Get in touch and learn more!
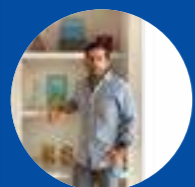
ModelMe3D

Co-design tool

Service

ModelMe3D is the only co-design platform in the world where users can easily build, drag, and drop objects in a digital twin urban setting. It democratises the design of public and private spaces.

Architecture & Design   **Citizen Engagement**   **Urban Planning**

ModelMe3D is an immersive co-design tool. It allows citizens to participate, co-create and play a role in the design or redesign of public spaces. These products provide a digital twin of any urban setting allowing people to engage and participate in the process in a user-friendly way.

As city operations and administrative processes become more digitalised, Modelme3D is fit for the digital age, allowing people with limited time to have more flexibility and take part in the public participation process. With the click of a web link, citizens and stakeholders

can easily participate from their own house or office, without having to assist physically to a meeting or a forum. Machine learning provides valuable data analytics from all the participations and submitted designs, giving the city and the lead project managers valuable information to make more informed decisions.

Hey! I'm Samuel Alvarado,
CEO at ModelMe3D.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

S.E.T
Street Experiment Tools
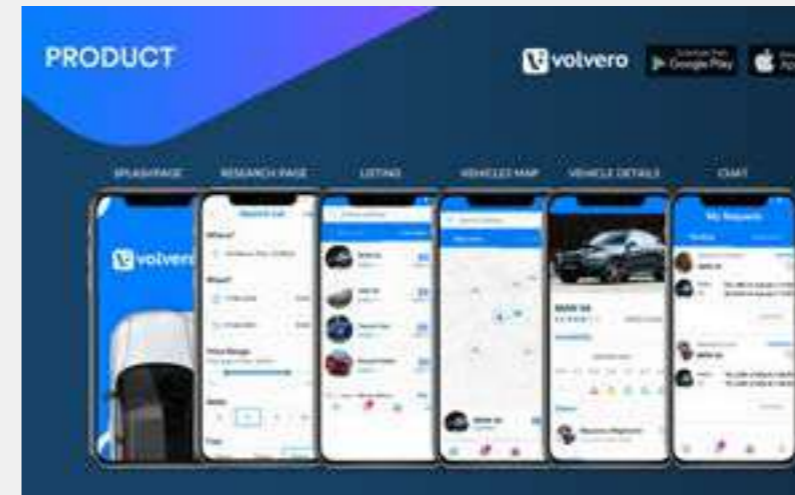

Service

S.E.T. helps to implement street experiments (quick and low-cost) and develop long-term strategies in cooperation with different stakeholders from a neutral position.

Streets & Roads **Tactical Urbanism** **Urban Planning**

Street experiments with citizen involvement are an urban planning tool that allow cities to respond quickly, creatively, and cost-effectively to mobility and public realm challenges. S.E.T. offers advice to city professionals during throughout the street experiment process.

Guidance responds to the client's specific needs and the solutions offered are tailored to the client's local context to create impact and aim for long-term change.

Services include:

- Analysis of the specific local context of the street experiment prior to the start.
- Support to the client in adapting their city strategies for long-term change.
- Identification of the necessary resources, time frames, materials, and stakeholders.
- Activations in public space, tactical urbanism, place-making.
- Assessment of the impacts of the experiment.
- Training cities in the theoretical how-to
- Tailor-made workshops based on an S.E.T. guidelines kit.

Hey! I'm Ana Rivas,
Research Assistant at TUM
Integrated Mobility Concepts
Get in touch and learn more!

Volvero
Easier than car rental

Software

Volvero creates a system in which whoever has a car, motorcycle or even a commercial vehicle can also lend it to someone else when they have no use for it.

Resource efficiency **Mobility planning** **Behavioural change**

Volvero connects vehicle owners and drivers to take advantage of underutilised vehicles and provide an extensive range of efficient mobility possibilities to drivers. At the same time, owners - both private and commercial - can significantly reduce their vehicles' costs and make the ownership feasible.

Secure & economic sharing of private vehicles
Vehicle owners have total protection over their vehicles, 24/7 assistance, and the Volvero tailor-made insurance.

Find Volvero vehicles fulfilling mobility needs
Drivers can find vehicles directly from their smartphone around them that match what they are looking for.

A win-win-win situation for cities, car owners, and citizens

Volvero reduces the number of private vehicles, while owners can monetise their vehicles and drivers can enjoy the convenience of vehicles and personalised insurance.

Hey! I'm Marco Filippi,
CEO & Founder at Volvero.
Get in touch and learn more!

MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the
European Union

Parkly
Modular urban furniture

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Service

Parkly's multifunctional and modular urban furniture helps to rapidly change and reimagine our cities, while pioneering circular economy solutions.

Architecture & Design   **Tactical Urbanism**   **Streets & Roads**

Parkly is a movement with a mission – transforming urban spaces into green and vibrant places. Parkly's modular urban furniture acts as a catalyst for rapid city transformations, embracing circular economy principles.

With Parkly's multifunctional system, the potential is vast: from parklets and street makeovers to pop-up parks, rooftop terraces, and inviting gathering spots - and more!

The sleek Nordic design, paired with a placemaking approach, proves remarkably effective in revitalising public spaces. Additionally, ParklyCreate, an intuitive 3D builder, offers everyone an effortless means to craft their unique Parkly module set.

Beyond aesthetics, Parkly's brilliance lies in its circular and smart design, minimising storage, shipping, and handling costs. Built to endure, Pakly's furniture is used by cities, municipalities, real estate companies, and anyone dedicated to enhancing human spaces and infusing nature into urban landscapes.

Hey! I'm Päivi Raivio,
Founding partner, urban designer at Parkly.
Get in touch and learn more!

This could be your product!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Contact us to learn more:
marketplace@eiturbanmobility.eu

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Mobility products

Future mobility

New mobility services such as connected and autonomous transport or urban air mobility.

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Cezigue

App-builder for connected mobility

Software

Cezigue is a web platform that provides the ability to build easily automotive connected services without worrying about vehicles compatibility while keeping control of release & updates.

Connected mobility **Mobility-as-a-Service** **Behavioural change**

Cezigue has a no-code approach relying on technological bricks anyone can assemble in a fully functional app running on any vehicle. It takes care of the complexity of the ecosystem, so their customers are able to build, release, and edit as easily as they would for a universal mobile or web app.

Users can play for free with the configurator, imagining their own future solutions.

Cezigue aims to fit the global needs of both big actors such as major connected cities or main corporations, and the local ones, such as smaller towns and rural actors.

They also do app development to customise their modules to users' specific needs.

Hey! I'm Sébastien Tricoire, CEO at Cezigue.
Get in touch and learn more!

Deeptraffic 101

Traffic management software

Software

Deeptraffic 101 is the future of dynamic traffic management for connected and automated vehicles.

Connected mobility **Traffic management** **Autonomous vehicles**

Deeptraffic 101 is the solution for dynamic traffic management of connected and automated vehicles which allows traffic managers already today to exploit the increasing availability of vehicles' connectivity data and services.

Deeptraffic 101 is a web-based software-as-a-service solution, which interfaces with existing traffic management centres, as well as with third party data sources, in order to:

- Maintain a real-time view of the conditions in the road network.
- Activate, monitor and de-activate connected vehicle services for effectively implementing the underlying traffic management strategies' objectives.

- Provide personalised information and guidance services to drivers of connected vehicles, according to the currently set traffic management objectives.

Deeptraffic 101 provides a fully automated operations mode, without the need of human operators' presence or intervention.

Hey! I'm Evangelos Mitsakis, CEO at deeptraffic.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

The R.O.A.D. System

Data collection for cycling infrastructure

Hardware

The R.O.A.D. System offers efficient road maintenance through AI and human powered data collection to improve the safety, comfort and usability of cycling paths - while saving time and money.

Safety **IoT** **Mobility Planning**

The R.O.A.D. System comprises an AI powered system, which scans and collects data along the cycle roads. The device assesses and rates the quality of the micro-mobility infrastructure based on different parameters acquired through device sensors installed on bikes and data extracted from the Copernicus satellites.

In particular, the R.O.A.D System uses IoT sensors and a mobile app to identify the location, detect road anomalies, and monitor critical parameters affecting micro-mobility like light conditions, traffic, air dust and noise pollution.

Using 4G/5G technology, data is transferred to a cloud infrastructure that processes data and generates GIS datasets. At the same time, environmental data like air dust (PM1.0, PM2.5, PM10) and air pollutants (O3, NO2, CO, CH2O, SO2, CH4) are gathered from the European satellite Sentinel 5P and combined with the data collected in the scans.

The analysed data is then shown in a dashboard that can be used to quickly and cheaply fix the roads.

Hey! I'm Hendrik Fischer, Innovation Project Manager at Social Tech Projects.
Get in touch and learn more!

Luna

For safer and sustainable micromobility

Hardware

Provides irrefutable visual proof of real-time location of e-scooters/e-bikes, allowing operators to eliminate sidewalk riding, collisions and disorderly parking.

Micromobility **Safety** **Streets & Roads**

Where and why errant behaviour happening in your city? You would need visual data to really understand this. Luna applies computer vision to understand and appropriately eliminate the root causes of three core dangers of shared mobility scheme:

- Sidewalk riding
- Collisions
- Disorderly parking

Accurate location tech is imperative - GPS inaccurate for LEVs (Urban Canyon Effect) – operators do not know if a scooter is being ridden on a road versus a sidewalk. Irrefutable visual proof of exact location = Control.
Luna enables cities and operators to work together with context.

Context allows for appropriate actions!

- Is someone mounting sidewalk on purpose? = example actions: automatically reduce speed & penalise
- Is it due to fear (narrow infrastructure) - educate, reroute, incentivise

Context allows the technology to learn and fix core behaviour or infrastructure deficits causing errant vehicle use.

Hey! I'm Maria Diviney.
COO at Luna Systems.
Get in touch and learn more!

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

IPA2X

LIFETOUCH

Intelligent pedestrian assistant

Hardware

IPA2X is built to help children, the elderly, and people with disabilities to safely cross the street.

Robotics   **Safety**   **Walking**

IPA2X Robot is an intelligent autonomous rover that facilitates crossing of intersections for children and elderly people, thus promoting zero accident cities by increasing their safety. The rover intends to reduce costs and risks for traffic helpers and local police units that currently facilitate pedestrian crossings at dangerous intersections.

Why IPA2X?

- Promotive of active mobility
- Increased pedestrian safety
- Increased mobility of vulnerable groups
- Lowering costs of local police presence
- Reduced carbon and noise emissions
- New urban space focus

Hey! I'm Patrizio Spaggiari,
CEO at LIFETOUCH srl.
Get in touch and learn more!

FYMA

Fyma

Unlock data from your video feeds

Software

Unlock the full potential of your commercial real estate portfolio with our data and insights using your existing cameras.

Smart Cities   **Mapping & Monitoring**   **Mobility Planning**

Helping build better places with data: real-time occupancy & mobility data + insights.

Fyma is an urban analytics company that uses AI computer vision technology to retrieve valuable, anonymized data from video feeds. We primarily partner with real estate developers and planners to help them use data to increase livability, walkability, and sustainability in multi-use developments, green spaces, and streets.

You will be able to track, monitor, and learn from the metadata analyzed by Fyma AI. All this can be done using existing hardware - unlock the potential of your CCTV and turn your cameras into a powerful analytics tool.

Hey! I'm Brandon Undrus,
Sales Manager at Fyma
Get in touch and learn more!

Fyma

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

ITC
Intelligent Traffic Control

Service

ITC solves congestion without modifying the existing infrastructure with the goal of eliminating traffic jams.

Traffic Management   **Mobility Planning**   **Mapping & Monitoring**

ITC helps cities reduce traffic congestion in an easy and cost effective way without the need to make changes to the existing road infrastructure. The software ITC is equipped with, uses machine learning and AI algorithms. ITC requires no additional infrastructure, it is easily deployed within the existing one and

has demonstrated through projects the company has completed in the USA, Brazil, Israel, and Australia to reduce traffic by 30%. ITC provides a brain to the traffic grid: measuring traffic, predicting congestions and mitigating it through smart manipulation of traffic lights, long before the jams begin to form.

The company's computer vision algorithm uses off the shelf cameras to obtain life traffic data and detect the behaviour of cars, public traffic and pedestrian with 99% accuracy during both day and nighttime.

Ksenia Lev
Business Development &
Sales Manager
at ITC Intelligent Traffic Control.
Get in touch and learn more!

TrueSight 1.0

Software

TrueSight 1.0 enables machines to see the world built for humans in 3D. Long-term, this technology will fit in everyone's pocket.

Robotics   **Autonomous Driving**   **Mapping & Monitoring**

LightCode Photonics is developing a software defined camera that is resolving fundamental technical problems in 3D imaging. The company builds dynamic pixel 3D cameras designated for warehouses and intralogistics. The main USP is the ability to detect small and dark objects up to 10 meter distance. The camera sees objects that are 10 times smaller than the pixel size.

The competitive advantage of the technology lies in the ability to enhance the performance of existing direct time-of-flight array sensors to the levels attainable to the newest premium quality sensors with high native resolutions. The technology can also be combined with both affordable and accessible COTS (commercial off the shelf) sensors, and high-end, high-performance sensors available today.

The company is looking for piloting partners and collaboration in the field of mobility (focus on warehouse and intralogistics) and for fixed installment use cases indoors and outdoors (Smart City).

Hey! I'm Aire Olesk,
Project manager at LightCode Photonics.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

SpotBeam
V2X for Safer Mobility

AD Knight

Service

To improve pedestrian's safety and traffic control by leveraging mobile phones and connected devices for passive data collection while preserving people's privacy.

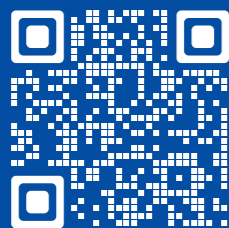**Traffic Management**   **Mobility Planning**   **Mapping & Monitoring**

The SpotBeam technology is part of a system that includes detection of connected devices - WiFi, Bluetooth, Cellular, and V2X, sub-meter accuracy, multimodal alerting techniques for all road users, no necessary app installation, stand-alone solution, preserving

people's privacy, simple and quick sensor deployment, not limited by Line of Sight (LOS) visibility conditions, and weather, and versatile insights generator for various verticals. The technology helps make the roads a safer place for walkers, joggers, cyclists, runners, and cars.

Hey! I'm Jonathan Abir,
CEO at A.D Knight.
Get in touch and learn more!

Nommon Mobility Insights
Origin-destination data collection

NOMMON

Software

Nommon Mobility Insights provides accurate, up-to-date and complete information about travel demand patterns that helps cities and operators align transport supply with population's mobility needs.

Mobility Planning   **Mapping & Monitoring**   **Smart Cities**

By partnering with mobile network operators, Nommon Mobility Insights collect anonymised mobile data records that are then processed and fused with other data sources to produce trip matrices and other travel demand indicators. The solution is the result of an intensive research effort to meet the needs of the transport industry, and is widely recognised as one of the most advanced products of its kind worldwide. The key features of the product include:

- Detailed trip characterisation: origin, destination, time of the day, duration, distance, purpose, mode, route/service, type of vehicle, frequency, etc.
- Segmentation by travellers' sociodemographic profile: age, gender, income, place of residence, etc.
- Fully customisable study area, zoning system, study period and temporal resolution

- Seamless integration with travel surveys, traffic counts and ticketing data
- Fusion with traffic counts for conversion from person-trips to vehicle-trips
- Quick access to historical and present information

Hey! I'm Javier Burrieza,
Senior Business Development Engineer
at Nommon Solutions and Technologies.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION **Marketplace**

eit Urban Mobility

Co-funded by the European Union

Greenroads

AI traffic video analytics tool for smart cities

Software

Transforming urban planning with AI-driven road & space data, prioritising pedestrians and cyclists; real-time insights for smart, sustainable cities

Active Mobility
Multimodality
Mobility Infrastructure
Accessibility & Inclusivity
City logistics
Public Realm
Future Mobility
Mobility & Energy
Pollution Reduction

Traffic Management   **Urban Planning**   **Mapping & Monitoring**

Greenroads is offering a state of the art artificial intelligence platform that can be used to gather meaningful information from internet-connected cameras, giving urban planners, authorities and private developers access to an entirely new data source with which to take data-driven decisions.

Greenroads' AI platform gathers road and open space GDPR compliant data which is vital for insightful urban planning, prioritising pedestrians and cyclists. Its AI platform uses internet-connected cameras, providing urban planners, authorities, and private developers access to real time data.

The platform is intuitive and provides informed, data-driven decisions, optimising city development. With Greenroads, transportation impacts are mitigated, fostering smart city development, safety, efficiency, and sustainability.

Hey! I'm Claire Ciancio, CEO at Greenroads Limited. Get in touch and learn more!

MOBILITY INNOVATION
Marketplace
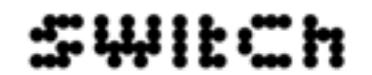
SWITCH

Mobility demand prediction platform

Software

Revolutionise shared fleet distribution, operations and city planning and monitoring with SWITCH, the innovative AI-powered SaaS platform for data-driven, sustainable urban mobility solutions.

Active Mobility
Multimodality
Mobility Infrastructure
Accessibility & Inclusivity
City logistics
Public Realm
Future Mobility
Mobility & Energy
Pollution Reduction

Fleet Management   **Mobility Planning**   **Mapping & Monitoring**

Experience the future of urban mobility with SWITCH, a state-of-the-art B2B SaaS platform tailored to optimise fleet management and city planning. SWITCH supports mobility providers and local administrations by streamlining vehicle distribution, maintenance operations, and transportation system efficiency.

The platform comprises multiple modules, including data visualisation and management, performance forecasting, strategic rebalancing, and city insights. Harness the power of data-driven decision-making and unleash your fleet's potential while building sustainable cities with SWITCH.

Learn more about the platform's features, read success stories, and schedule a personalised demo. Seize the opportunity to stay ahead of the curve and make data-driven decisions that benefit both your operations and the communities you serve.

Hey! I'm Matteo Forte, CEO at Switch. Get in touch and learn more!

eit Urban Mobility

Co-funded by the European Union

Mobility products

Electric Bus

Mobility & Energy

Less fossil fuel dependence by uptake of electric vehicles and cleaner energy.

Bia power

EV Data services

bia
www.biapower.io

Service

Bia's EV data service enables businesses and public bodies to improve their EV charging offering or fleet operations they currently offer.

Electrification **Charging** **Fleet management**

Bia analyses EV charging data to reveal usage trends (costs, CO2 emissions, peak loads, battery degradation), charging flexibility available for smart charging, and solutions for efficient growth. Bia provides powerful forecasting and simulations for EV load modelling, planning, and strategic future scenarios.

The simulations enable customers to develop a strategic EV charging plan that avoids unnecessary costs and pitfalls.

Fleets, charging operators, and electric utilities benefit from this service to get a better understanding of their EV charging usage, user/driver patterns, the embedded inefficiencies, and the potential growth scenarios that suit them best.

The dashboard also displays the optimisation potential customers could unlock by using Bia's smart charging algorithms in terms of:

- Peak loads reduction.
- Charging costs reduction.
- Charging CO2 emissions reduction.
- EV battery degradation attenuation.
- Response to grid events.

Hey! I'm Roby Moyano, Head of Product at Bia. Get in touch and learn more!

bia
www.biapower.io

Bia power

Optimised EV charging

bia
www.biapower.io

Software

The Bia platform is highly modular, parameterisable and can operate autonomously in different applications by either forecasting drivers' charging needs, by collecting users' inputs once a session starts, or by considering a fleet schedule.

Electrification **Charging** **Fleet management**

Bia's platform allows users to keep track of their energy costs and emissions and benefit from custom autonomous smart charging. It features high-performing forecasting algorithms and a powerful optimisation engine to intelligently predict and optimise flexibility in EV charging.

The optimisation engine is customisable based on the customers' needs. Fleet operators can benefit from grid reliability solutions, and other services such as a "renewable energy first" option, power costs and peak power demand savings, and early battery degradation prevention.

So far, the smart charging algorithms have been able to unlock up to:

- 80% reduction in peak loads
- 50% reduction in charging costs
- 70% reduction in charging CO2 emissions
- 40% reduction in EV battery degradation

Hey! I'm Roby Moyano, Head of Product at Bia. Get in touch and learn more!

bia
www.biapower.io

MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the European Union

Elonroad

Electric road system

Hardware

Electric roads extend driving range and reduce the need for large and heavy batteries. Elonroad's vision is to create a green transport sector and to drastically reduce CO_2 emissions.

Electrification   **Charging**   **Streets & Roads**

Elonroad is a deep tech mobility company working with road-based charging solutions for all electric vehicles (EV). You can charge your EV both while driving as well as when parked. It works for highways, city streets, ports, terminals and other closed loop operators.

This solution has several smart, built-in features, including load balancing and billing operations. Each vehicle can be monitored and invoiced individually. Moreover, for stationary charging solutions, the charging can be remotely controlled through the app, so the driver has full control of the status of the battery and the charging.

Features:
- Easy to install: It can be integrated into the asphalt or placed on top.
- Safe: Only powers short one-meter segments at a time directly under the vehicle, ensuring a safe solution for the surroundings.Charging CO_2 emissions reduction
- Efficient: Transfers high power: Up to 300kW with a 97% efficiency.
- Works for all electric vehicles

Hey! I'm CM Cronholm,
Head of Communication at Elonroad.
Get in touch and learn more!

EVIO's

Electrical vehicle ecosystem management platform

Software

To promote sustainable charging Evio offers an open platform to the electric mobility charging ecosystem where new services are also being developed to generate a new revenue stream for B2B clients and to help TSOs and DSOs manage market supply and demand.

Electrification   **Charging**   **Fleet management**

EVIO offers a multi-sided SaaS platform for stakeholders in the electric vehicle charging ecosystem. The platform is hardware-agnostic and interoperable, and can be implemented at different levels: country, city, operator, house condominium, company, parking lot, etc.

Services include:

- Operating and managing charging stations.
- Sharing and monetising private charging stations.
- Scheduling and booking charging
- Fleet management
- Other advanced charging options
- Information on emissions savings and carbon footprint from data on the percentage of renewable energy used.

EVIO is developing new energy services on top of the existing EV charging services, namely, to aggregate and use EV batteries as a virtual power plant to provide flexibility and ancillary services to the grid and infrastructure (V2X), as well as to integrate, store and use local decentralised renewable energy production.

Hey! I'm Carlos Almeida,
CEO at EVIO - Electrical Mobility.
Get in touch and learn more!

MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

BeTRITON
Fully electric amphibious RV

Hardware

Fully electric Amphibious RVs for the most sustainable & unique outdoor experiences. BeTriton combines an electric boat, a camper, and an e-bike. It's a floating hotel on wheels for 100 EUR a day.

Water Transport **Electrification** **Recreational Transport**

The product combines an electric boat, a camper, and an e-bike. It's a floating hotel on wheels for 100 EUR a day. Fits 2 adults and is the most nature-friendly / emissions-free RV on the market. It's on a mission to shift the way people travel and engage with nature.

BeTRITON is perfect for a wide range of outdoorsy and green-minded user groups, such as - families with kids, adventurers, couples, and wildlife enthusiasts. A robust B2B rentals-focused business model has been established. The company manufactures RVs, conducts testing through its rental fleet, and expands its operations by selling units to rental companies globally.

With over 170 paid pre-orders from various countries, the company has gained support from 10 investors and attracted significant attention from the global media, as well as interest from outdoor enthusiasts and the sustainability-focused community.

Hey! I'm Aigars Lauzis,
CEO / Co-Founder / Inventor at BeTRITON.
Get in touch and learn more!

MOBILITY INNOVATION
Marketplace

Beev
Revolutionising the electric car experience

Software

Revolutionise the way you experience electric cars with Beev - the all-in-1 electric expert. Say goodbye to the hassle of researching electric cars, comparing prices and finding charging solutions.

Marketplace **Electrification** **Charging stations**

Embrace the future of driving with ease, thanks to Beev - the ultimate all-in-1 platform for electric cars. Say goodbye to the headaches of electric car shopping - no more learning confusing electric jargon, scouring multiple dealerships, or searching for charging solutions. With Beev, you can simplify the process, save time, and save money.

Why settle for a complicated experience when you can have a seamless one with Beev?

Beev is the platform that facilitates the decarbonisation of business and household mobility. It offers a high-end service in order to acquire an electric vehicle and a charging station at home, in a company or in all types of public places.

The platform allows customers to live a unique experience: online signature, price transparency and flexible payments.

Hey! I'm Chanez Djoudi,
Cofounder at BEEV.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Circu Li-ion

Battery upcycling - reuse solution

Service

Automated battery disassembly & cell level diagnostics solution to enable a sustainable circular battery value chain through reuse.

Electrification **Resource efficiency** **Circular Economy**

Circu Li-ion is a battery upcycling company headquartered in Luxembourg. The company accelerates the green revolution by maximising the value of each battery enabling a truly sustainable and economical electrification of the economy.

Today's recycling methods destroy multiple functioning parts of a battery, Circu Li-ion's automated battery dismantling and diagnostics solution recovers up to 90% of battery cells for 2nd life application and multiple clean material flows.

The company reduces CO2 emissions significantly - an ISO 14044 standard conform LCA of Circu Li-ion's battery upcycling process shows a -48% reduction (max 50%) compared to a traditional battery lifecycle.

Given the high volume of batteries treated Circu Li-ion offer the BATDAT dashboard to various battery industry players enabling data driven decisions in an exponentially growing market.

Hey! I'm Cecilia Wiesböck, Head of Partnerships at Circu Li-ion S.A Get in touch and learn more!

DIGAS

Hydrogen locomotive retrofit kit

Hardware

An instant decarbonisation and compliance with ESG targets for rail operators.

Hydrogen **Electrification** **Railways**

DIGAS serves locomotive operators with instant solutions to decarbonise the locomotive fleet in operation by retrofitting from diesel to Biomethane (BioLNG & BioCNG) and now to Hydrogen (H2).

The company has deployed the first in the EU certified retrofitted diesel locomotives on both gaseous fuels, LNG & CNG and has received the special prize from Europe's Rail Joint Undertaking for Rail within the European Startup Prize for Mobility 2022.

The product is quickly and simply installed onto diesel engine converting it into an alternative fuel engine where environmentally friendly, clean, and inexpensive fuel (H2, Biomethane in the form of CNG and LNG) is used to substitute polluting and expensive diesel fuel.

If you are a train or locomotive operator in need of instant decarbonisation or compliance with your ESG targets at just a fraction of the price of purchasing a new hydrogen train or locomotive, DIGAS is your solution!

Hey! I'm Petro Dumenko, CEO at DIGAS. Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Inbalance grid
Smart EV charging solution

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Hardware

The solution allows installing charging stations in locations with limited power and scaling despite grid limitations. Reducing costs, increasing profitability and entering challenging locations.

Electrification
Charging
Roads & Streets

Having identified grid limitation as the major bottleneck for charging infrastructure development, the company has created and innovated a solution from the ground up to be ready for mass EV adoption.

Inbalance Grid is overcoming this barrier via a cloud-based, AI-powered dynamic load management technology, which allows to build more charging points with less dedicated power, avoiding unsustainable and expensive grid upgrades.

The solution is cloud & software-based and is not limited to wiring and/or physical equipment. The cloud-controlled charger network can fill up EVs only by taking the non-used power from the buildings or the grid itself. And distribute that available power to multiple charging points so that each vehicle is charged at optimal speed.

Such innovative installations have various effects on a building's sustainability, extend grid capacity, and drastically reduce CAPEX needed for EV charging infrastructure.

Hey! I'm Simonas Stankus,
CEO at Inbalance grid.
Get in touch and learn more!

ZenSite
Smart charging for sites and fleets

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Hardware

With ZenSite SMEs and energy communities make optimal use of their energy assets and manage EV charging to reduce charging costs and maximise self-consumption.

Electrification
Charging
Fleet management

ZenSite is an integrated solution for energy management and EV smart charging for companies and energy communities. ZenSite handles multiple sites and fleets and manages EV charging in response to the changing energy flows of the facility and the fleet's mobility needs.

We support customers in making optimal use of their energy assets, utilise onsite solar generation to limit e-mobility's carbon emissions, or reduce consumption peeks by shifting EV charging to low-consumption periods.

ZenSite integrates with a wide range of energy assets (solar inverters, EV chargers, energy storage units, meters) and provides a single dashboard to manage and overview all energy flows.

Customers can set up predefined or custom energy management strategies that automatically manage EV chargers to reduce charging costs, maximise self-consumption, and limit consumption peaks.

Hey! I'm Tamas Kenessey,
COO at MET3R.
Get in touch and learn more!

MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the European Union

Waybler
Charging solution

Hardware

More EV car charging on the same power.

Electrification **Charging** **Roads & Streets**

A smarter kind of charging. The company's mission is to charge the maximum amount of cars without needing to increase power capacity. Waybler offers a complete solution for charging electric vehicles – Swedish-made charging box, unique load balancing, administration interface, statistics tool, associated app, and more.

The company's charging boxes are optimised to charge the maximum number of cars using the electricity capacity available.

Waybler's patent pending dynamic load balancing and power management avoids costly power peaks and ensures cost-effective charging of electric vehicles.

With Waybler everyone will be able to charge their electric vehicle in a sustainable and affordable way.

Hey! I'm Niclas Crepin, Marketing Manager at Waybler. Get in touch and learn more!

ATX340E H2GO
Electric vehicle with hydrogen range extender

Service

Alkè Electric Vehicles is bringing the full power of hydrogen on the street. Test the ATX340E H2GO, a utility E-vehicle with Hydrogen range extender.

Hydrogen **Electrification** **Utility**

Transition-One designs and produces low-carbon, virtuous and sustainable industrial mobility solutions to fight against climate change and to contribute to the end of fossil fuel use. In order to make mobility less carbon intensive, the company converts light thermal vehicles into electric vehicles with a reasonable range (100km).

Transition-One recycles existing vehicles to extend their life with low-carbon, local production.

The product's generic retrofit unit is adaptable to many models of the existing car fleet and targets private individuals, professionals, local authorities and fleet managers.

The company has an industrial approach to respond to the climate emergency by offering a decarbonisation solution for the greatest number.

The company's mission: save 1 million tons of CO2 emissions in ten years.

Hey! I'm Lamberto Salvan, Business Development Manager at Alke Electric Vehicles. Get in touch and learn more!

Hyke
Smart City Shuttle

Hardware

Hyke's mission is to provide cities with a mobility and transportation solution that utilises waterways in a cost reducing, sustainable, efficient, and enjoyable manner.

Water Transport   **Electrification**   **Smart Cities**

Hyke's Smart City Shuttle is a fully electric vessel meticulously designed to offer a seamless transportation experience. The vessel has a capacity of 50-70 passengers and is ESTR-IN certified, enabling all city-goers including wheelchair users, cyclists, and cargo bikes to enjoy the Hyke experience.
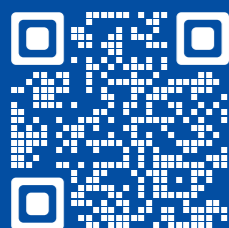
Hyke shuttles are equipped with a condition-aware autonomous navigation system, which offers significant time and energy savings compared to manual operations. The shuttles are equipped with obstacle detection, route navigation, target tracking, and decision support technology.

Hyke vessels have the capability to operate in complete autonomy. The Hyke vessel is designed from the bottom up for a highly efficient and enjoyable transportation experience, adaptable for major cities across the globe. Hyke's mission is to move transportation from crowded streets to peaceful waterways by creating a multi-modal transportation network that supports cities, citizens, and sustainable development.

Hey! I'm Sarah Toms, Business Development Analyst at Hyke.
Get in touch and learn more!

SimpleCharge
EV charging on existing lampposts

Hardware

For parking space owners, who want new revenue streams, SimpleCharge offers an EV charging station which can be installed on any existing lamppost eliminating the initially needed installation costs.

Electrification   **Charging**   **Resource Efficiency**

For parking space owners, who want to get a new revenue stream on the increasing number of electric vehicles, and thus demand for EV charging services, SimpleCharge offers a new type of EV charging station which can be installed on any existing lamppost infrastructure and enable profiting within one day.

The EV charging station comes with infrastructure (lamppost and parking space) monitoring tools in this way enabling seamless user experience in backend and frontend.

Hey! I'm Kristaps Volks, BusDev at SIA SimpleCharge.
Get in touch and learn more!

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

OPTIMOB

Decision support tool for bus line electrification

Service

An accessible web-based tool to help bus operators -public or private- make the right decisions to electrify existing and new lines.

Electrification

Charging

Fleet management

OPTIMOB is a web-based decision support tool to size your new electric bus line and charging infrastructure.

Unlike in fossil-sourced propulsion methods, there is still no one-size-fits-all solution for electric bus operations in urban environments.

The transition towards electrified bus routes therefore requires making multiple choices amongst the wide range of different technical solutions available in the BEV bus and charging infrastructure market.

Currently available technical solutions are better suited for one or other use case, the key lies in thoroughly understanding the requirements of a to-be electrified bus line, and translating them into the technical enablers that will guarantee the best fit.

OPTIMOB reduces complexity and guides the decision-making to ensure cost-effective sustainable and durable electrified bus lines suited to your city's particular needs.

Hey! I'm Guillem Badia, Business Development / Innovation Management at IDIADA Automotive Technology.
Get in touch and learn more!

Applus⊕
IDIADA

This could be your product!

Contact us to learn more:
marketplace@eiturbanmobility.eu

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the European Union

Mobility products

Pollution Reduction

Creating awareness about noise and local air pollution as well as reduction of emissions to improve quality of life.

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Allihop
Green business travel

Software

Allihop is committed to shaping the future of business travel in alignment with the United Nations' 2030 Agenda for Sustainable Development.

Corporate mobility   **Mobility-as-a-Service**   **Behavioural change**

Allihop provides businesses with the opportunity to easily access sustainable transport for their employees and helps reduce carbon emissions by 30-50%. Allihop aims to change the way business travel is normally conducted. They have developed a B2B solution that

is effortless for businesses to use and switch to. This will allow employees to choose more sustainable travel alternatives instead of the mainstream options like flights, taxis, or private car rentals.

The platform provides greener transport methods for business travel. Users can travel to conferences within Europe using a train instead of flying there, or travel to meetings using a city bike or a bus.

Hey! I'm Nancy Adrenberg, CEO at Allihop AB. Get in touch and learn more!

Ciclogreen
Corporate mobile app to quantify and reduce emissions

Software

Ciclogreen supports organisations to calculate and reduce their carbon footprint from day one with its unique incentive platform that includes all modes of transport.

Behavioural change   **Corporate mobility**   **Mapping & Monitoring**

Ciclogreen helps companies to calculate and reduce their CO2 emissions promoting sustainable commuting.

They provide a customized reward programme based on a gamified tracking app that allows companies to reward their employees for using sustainable means of transport to go to work (walking, cycling, sharing a car, using public transport or an electric scooters among others).

Employees only have to download the app, that becomes cooperative after registration, and use it to join virtual mobility challenges and win attractive prizes.

Companies have access to a Dashboard showing aggregated data on mobility and CO2 emissions. In addition, Ciclogreen also helps companies to design their Sustainable Mobility Plan and define the best actions to reduce corporative CO2 emissions related to commuting.

Hey! I'm Gregorio Magno Jiménez, CEO at Ciclogreen. Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION Marketplace

142   143

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Environmental Data analysis & visualisation

libelium

Software

Libelium's SaaS is an evidence-based air quality solution with high accuracy and reliability in terms of data quality.

Mapping & Monitoring   **Urban planning**   **Smart Cities**

The SaaS offered by Libelium is specialised in environmental monitoring. It enables cities to collect, analyse and visualise a large amount of data on the real environmental state of the cities. A variety of parameters are collected, including air quality, pollen levels, noise and temperature.

This visualisation service represents the collected data through different graphic representations: graphs, diagrams, heat maps, geolocation, maps, tables, colour codes assigned to levels of danger, etc.

City managers will be enabled to efficiently manage and understand the status of the different monitored parameters. This will allow them to make informed decisions about strategic planning that ensures the sustainable development of their territory.

Cities can quantify the operations carried out and offer visualisations of this data openly to the public. Citizens can be shown and interact with the real-time metrics and the evolution of actions taken.

Hey! I'm Andrea Horcas Nogales
Smart Cities Sales Manager
at Libelium.
Get in touch and learn more!

Smart Spot

IoT devices for environmental parameter sensoring

libelium

Hardware

The inclusion of all sensors in a single device provides savings in installation, maintenance and management costs. Smart Spot offers high quality data with an accuracy rate of 90%.

Smart Cities   **Urban planning**   **Mapping & Monitoring**

Smart Spot is an advanced and robust IoT device that monitors a wide range of environmental parameters such as air quality, noise and temperature. Using a single device, different data are measured to show the environmental and contextual changes in a city over time. Corresponding IoT device management software accompanies the device and is fully customisable.

The Smart Spot covers the following parameters:
- Air quality monitoring - The air quality sensors are inside the device so that their integrity is ensured and they are protected from adverse weather conditions
- Gas monitoring
- Temperature
- Humidity

- Noise (high reliability)
- Crowd monitoring
- Water or energy metering
- Innovative Radio Environment Map (REM), which displays radiofrequency attacks or anomalies

Hey! I'm Andrea Horcas Nogales
Smart Cities Sales Manager
at Libelium.
Get in touch and learn more!

MOBILITY INNOVATION Marketplace

144   145

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Lobelia Air

Data on street-level

Lobelia.

Software

Lobelia Air is an innovative operational service which produces hourly high resolution maps of urban air pollution.

Clean spaces   **Mapping & Monitoring**   **Smart Cities**

Lobelia Air provides hyperlocal air quality data to fill data gaps due to low coverage of sensors in the field.

Today, Lobelia Air is operational in large cities in Europe, supporting city administrations that promote the European Green Deal and the low emissions zones.

Sustainable mobility, health companies, media channels and international research institutions are using this innovative technology.

The features:

- Hourly updates of PM and NO2 and soon O3
- Automated configuration in any city
- Historical data and 72-hour forecast
- Gamification features
- Lobelia Air is based on a peer-reviewed methodology
- Validated in Madrid, Barcelona and Amsterdam, among others

Hey! I'm Jorge Calvin,
Commercial Director
at Lobelia Earth.
Get in touch and learn more!

Lobelia.

Nudgd

Smart travel habits

NUDGD

Software

Smart Travel Habits is a cost efficient, easily scalable tool using smart and timely nudges to create measurable impact and help people succeed in creating more climate-friendly travel habits in their everyday life.

Behavioural change   **Mobility planning**   **Corporate mobility**

In the wake of climate change, many people want to change their travel habits but find it difficult to take the first step. Nudgd created Smart Travel Habits – the digital mobility platform to make sustainable travel choices easy.

Smart Travel Habits is based on insights from behavioural science and uses nudging as a tool. With smart and timely nudges, the platform helps create new behaviours and habits through targeted and tailor-made messages.

Smart Travel Habits uses the fresh-start effect. This means that it uses the strong potential for behaviour change at new beginnings, for instance when people start a new job. The entire process is measured to evaluate the impact of the user's sustainability investment.

Municipalities and workplaces use Smart Travel Habits to help their citizens, employees, visitors etc. travel more sustainably and close the gap between intention and action.

Hey! I'm Natalie Kregert,
Project manager at Nudgd AB.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

WYZE

Electric scooters for mobility services

Hardware

WYZE promotes lifestyle e-mobility with impact – through e-mobility solutions they ensure that urban centres become more decarbonised, silent and aesthetically-pleasing.

Mobility-as-a-Service   **Corporate mobility**   **Fleet management**

WYZE currently offers electric vehicles in three mobility service fields:

Corporate Fleets

E-vehicles in pooling format for organisations of all sizes, adjusting fleet size accordingly. There is also the possibility of integrating a technological solution to manage and monetise the fleets.

Last Mile Deliveries

Electric mopeds and bicycles serving short-distance urban deliveries with small and medium-sized volumes. WYZE rents vehicles and provides maintenance and repair services.

Lease to share

Rental of mopeds, bicycles and/or scooters to corporates, which then make them available for rental for periods of one day or longer to their end customers through an app.

Hey! I'm Tiago Silva Pereira,
CEO & Founder at WYZE Mobility.
Get in touch and learn more!

Jonna Recharged

Refurbished e-bikes with quality protocols

Hardware

Jonna is a end-to-end online marketplace for buying and selling refurbished e-bikes

Resource efficiency   **Retrofitting**   **Micromobility**

Jonna sourced premium used e-bikes from companies as well as from it's own subscription fleet.

Used e-bikes are resold to end consumers with a new purchase experience with inspection protocols, transparent consumer info on production guarantees that still exist, as well as offerings for service and insurance.

Jonna exclusively sources e-bikes with verified and durable electronics, backed by guarantees.

Hey! I'm Fredrik Karlberg,
Founder at Jonna.
Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

TruckY

ADAS speed advisor for reducing fuel and CO2 emission

MinervaS

Hardware

TruckY is a patented software solution that reduces fuel consumption & emission by 30% in any road vehicle by optimizing in real-time vehicle speed and acceleration based on the environment.

Resource efficiency · **Behavioural change** · **Mapping & Monitoring**

MinervaS is the university spin-off that offers innovative solutions in the energy and automotive sectors towards the reduction of CO2 and the on-board energy management. The product of MinervaS can be customised for vehicle with any propulsion (conventional, hybrid, electric or fuel cells).

MinervaS provides a suite of integrated solutions for smart & future mobility, from driving advisors (TruckY) to fleet management tools, all tailored to the vehicle and size of the customer's business.

TruckY is the ADAS plug&play device capable of increasing the environmental sustainability of heavy-duty vehicles and offering an economic advantage to their operators thanks to its patented method.

TruckY offers a reduction in fuel consumption up to 30% and the containment of the related polluting emissions, without increasing travel times and modifications to the vehicle.

Less Fuel, More Business - Less Emission, More Planet.

Hey! I'm Ennio Andrea Adinolfi,
CEO at MinervaS s.r.l.
Get in touch and learn more!

Everimpact

Carbon emissions measurement

Everimpact

Software

We help cities measure, reduce and monetize their carbon emissions using accurate and real time data from satellites, ground sensors and AI.

Mapping & Monitoring · **Smart Cities** · **Decarbonisation**

Cities represent 70% of emissions and only 1% of the voluntary carbon market.

Without a proper solution to measure GHG emissions accurately, cities are struggling to finance their reduction projects through the carbon market.

We measure emissions accurately and in real time with satellite imagery, big data and sensors, this helps cities:

- Measure carbon emissions and sequestration (urban trees and forests) in real-time, across the city territory.
- Identify impactful GHG reduction opportunities and monitor progress of decarbonisation measures.

- Automate data capture, save time in collection and reporting
- Finance certified reduction projects through carbon markets.

Hey! I'm Marie Geneste,
CMO at Everimpact.
Get in touch and learn more!

Everimpact®

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

BGI Builder
For climate resilient cities

Software

For urban risk managers, BitaGreen provides data, models and monitoring to prioritize bluegreen infrastructure investment with highest risk reduction and resident well-being increase.

Urban Planning   **Mapping & Monitoring**   **Green Spaces**

Cities over the world are grappling with a massive responsibility to increase their climate resilience. The stakes are high because not preparing for a changing climate is extremely costly, as shown by insurance figures on damage costs of recent heat waves and flood events.

Investing in green infrastructure is a smart way to turn climate resilience not just in a cost, but in a smart and effective way to make cities more liveable. Why? Because green roofs, raingardens, porous pavements and urban trees are proven to reduce negative impact of heat islands and floods, while also improving air quality, biodiversity and noise levels…a win for nature and the citizens!

But to make large scale changes with real impact, cities need to know where to invest in which amount of green infrastructure to achieve maximum impact with best cost-benefit ratios and clear ROIs for different players. And this is where BitaGreen comes in and develops software and know-how to maximize blue-green value!

Hey! I'm Nora Van Cauwenbergh, Co-Founder, CEO at BitaGreen. Get in touch and learn more!

Walk15
Sustainable walking platform

Software

Walk15.app Sustainable Activity Platform and Step Wallet helps companies, cities, organizations engage target audience in active mobility and improve their social impact.

Behavioural change   **Mapping & Monitoring**   **Incentification**

Walk15.app Sustainable Activity Platform helps companies, cities, organisations engage target audience in active mobility and improve their social impact.

Activities (walking, running, bicycle and other challenges) are automatically generated on the Platform and joined by participants in the #walk15 app. The app is free to use and works globally in 25 languages.

By joining gamified activities, participants are motivated to collect steps and exchange them into special offers within #walk15 Steps Wallet: carsharing, micromobility, train ticket discounts etc.

Hey! I'm Vlada Musvydaite, CEO & founder at Walk15. Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

MOBILITY INNOVATION
Marketplace

eit Urban Mobility

Co-funded by the European Union

Libelium Air Quality Station

Hardware

The Air Quality Station will allow your city to monitor key pollution parameters through Artificial Intelligence.

Smart Cities　　**Roads & Streets**　　**Mapping & Monitoring**

The new Air Quality Station allows the monitoring of the AQI (Air Quality Index) to control pollution in cities and industries.

Main features:

- Measurement of the main air quality parameters: PM, CO, NO2, NO, O3, SO2.

- Maximum accuracy thanks to cutting-edge hardware and machine learning algorithm
- Noise level and meteorological parameters measurement
- Removable sensor cartridge for quick sensor exchange
- Communication via 4G
- Real-time data visualization through Libelium Cloud
- Robust, handy, and user-friendly

Hey! I'm Nuria Muro, Marketing at Libelium. Get in touch and learn more!

SEADS Blue Barriers
Collect & Upcycle river plastic waste

Hardware

SEADS Blue Barriers - Cleaning rivers, protecting oceans!

Clean Spaces　　**Behavioural Change**　　**Circular Economy**

Join the global fight against plastic pollution with SEADS Blue Barriers. Its patented tech is more than a solution; it's a commitment to cleaner rivers, thriving ecosystems, and sustainable economies.

- Effectiveness: Collects 100% of riverine plastic.
- Resilience: Withstands floods, ensures consistent performance.
- Circular economy: Turns waste into resources, covering costs.
- Global recognition: The Economist's Top 10 #OceanChangeMakers.

For Public Administrations:

- Protect tourism & fisheries: Safeguard your region's economic pillars.
- Create local jobs
- Boost recycling rates: Make a lasting impact on your city's sustainability goals.

For Investors:

- Innovative technology: Patented, proven, globally recognized.
- Lucrative market: Tap into an $80M addressable market.
- Global impact: Cleaner environment, healthier communities, economic growth.

Hey! I'm Mauro Nardocci, CMO & Cofounder at SEADS Sea Defence Solutions. Get in touch and learn more!

MOBILITY INNOVATION Marketplace

eit Urban Mobility

Co-funded by the European Union

Mobility products

CIVITAS solutions

CIVITAS, a European initiative that EIT Urban Mobility is a part of, supports cities in their transition to sustainable mobility, aggregating projects, fostering city exchanges, and upscaling mobility solutions.

Here, you will find market-ready solutions yielded from CIVITAS projects over 2022-2023.

CIVITAS SOLUTIONS

2022 and 2023

The pathway to boost the adoption of market-ready CIVITAS solutions starts with a Market Readiness Assessment based on engagement and understanding of the projects behind them. EIT UM has reviewed CIVITAS solutions resulting from projects closing in 2022 and 2023.
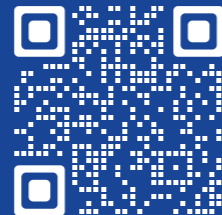
10 projects reviewed

19 solutions assessed

7 market-ready CIVITAS solutions

Scan to learn more about the programme!

MobyApp

Project HARMONY

Software

MobyApp is a software-as-a-service platform for travel demand data collection consisting of a mobile app (iOS and Android) and a survey creation and management system.

Mapping & Monitoring   **Behavioural change**   **Mobility Planning**

MobyApp allows the automatic creation of questionnaire surveys and citizens' activities and travel diaries, the incorporation of nudging techniques or incentives, and the monitoring and management of a data collection process personalised to the needs of each project's objectives.

This technology is an efficient way to prepare Sustainable Urban Mobility plans, travel demand and activity-based models, understand citizens' mode choices, and activities and movement. MobyApp decreases survey duration and costs, decreases data collection errors, adopts sampling techniques to collect data based on specific triggers or conditions, and is customisable to the client's needs.

MobyApp has been used for travel demand data collection in Turin (IT), Oxfordshire (UK), Barcelona (SP) and the Aegean Islands region (GR).

Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Partnerships

CIVITAS
Sustainable and smart mobility for all

THE CIVITAS INITIATIVE
IS CO-FUNDED BY
THE EUROPEAN UNION

eit Urban Mobility

Co-funded by the European Union

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Partnerships

ParkPAD

Project Park4SUMP

Service

ParkPAD is a tool that provides guidance to cities on their urban parking policies, allowing the improvement of current policies while planning for various future policy goals.

Parking   **Mobility Planning**   **Streets & Roads**

ParkPAD presents an innovative way of checking in, prioritising and updating parking policies, introducing a consensus-building process across stakeholders in a highly contentious topic such as parking.

This tool's building blocks consist of a self-assessment exercise to capture the status of the current parking policy, followed by a consensus-building process with involved stakeholders and alignment with SUMPs, and concluded by an Action Plan to guide a city's future parking actions and activities.

The whole process is guided by a ParkPAD auditor who understands the local language and context.

ParkPAD has been implemented in more than 35 cities, such as Lisbon (PT), Kehl (DE), and Shkodra (AL).

Get in touch and learn more!

PTV VISSIM

Project MORE

Software

PTV Vissim is a microscopic, time-step-oriented and behaviour-based simulation tool for modelling urban and rural traffic as well as pedestrian flows.

Mobility Planning   **Streets & Roads**   **Smart Cities**

With the new features developed in the MORE context, it offers better modelling of the complexity of the real world.

Vissim allows simulating, analysing, and evaluating flows and interactions between pedestrian streams, bicycles, and public and private transport.

It can give realistic and dynamic microscopic modelling of lane driving, parking, loading and kerbside activities and better simulate the interaction of different traffic users on the street, on the kerbside and in places.

Get in touch and learn more!

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Partnerships

Co-funded by the European Union

HARMONY Model Suite

Project HARMONY

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Partnerships

Software

Harmony Model Suite is a next-generation digital twin platform integrating spatial and transport models for strategic, tactical and operational planning of passengers and freight.

Digital Twin **Mapping & Monitoring** **Mobility Planning**

HARMONY offers hundreds of KPIS to support decision-making, allowing a detailed evaluation of impact scenarios on citizens and travel behaviour through an activity-based modelling module.

The platform is software agnostic and offers the opportunity to use a range of spatial or transport models that are already hosted in the platform or connect through adaptors' existing models.

HARMONY Model Suite operates on three integrated levels of modelling. Strategic, for regional economic, demographic forecasting, land-use, spatial freight interaction and long-term mobility choice models; tactical, for a fully agent-based passenger and freight demand model; and operational, for transport supply and demand interactions at high granularity.

Moreover, the results stemming from the deployment of the Model Suite are transferable from trailblazing to aspiring metropolitan areas to update SUMPs across Europe.

Get in touch and learn more!

Pollution Monitoring Device

Project NEMO

Active Mobility

Multimodality

Mobility Infrastructure

Accessibility & Inclusivity

City logistics

Public Realm

Future Mobility

Mobility & Energy

Pollution Reduction

Partnerships

Hardware

The Pollution Monitoring Device is an autonomous remote sensing system to measure exhaust emissions from road and rail vehicles under real driving conditions.

Clean Spaces **Decarbonisation** **Mapping & Monitoring**

By using laser technology for measuring exhaust emissions from traffic, this technology ensures better accuracy, sensitivity, stability, and cost-effectiveness of measurements.

Complementary modules to the pollution monitoring ones are incorporated to record the vehicles' speed and acceleration, to capture and identify the vehicle's plate number, and a weather station to link the measurements to niche environmental conditions.

The device enables real-world emissions categorisation and mapping of air quality, identification and control of extremely polluting vehicles, and enforcement of such high emitters.

The technology can be deployed to control and toll urban access schemes such as LEZ and to control fleets.

The Pollution Monitoring Device has been implemented in Florence (IT), Valencia and Madrid (ES).

Get in touch and learn more!

Noise Monitoring Device
Project NEMO

NEMO

Hardware

The Noise Monitoring Device is an autonomous remote sensing system to measure noise emissions from road and rail vehicles under actual driving conditions.

Clean Spaces | **IoT** | **Mapping & Monitoring**

The device allows for identifying individual road vehicles or train wagons' noise emissions within a traffic stream, without interrupting the traffic flow and while separating the noise origin from engine acceleration or tyre-road interaction.

Complementary modules to the pollution monitoring ones are incorporated to record the vehicles' speed and acceleration, to capture and identify the vehicle's plate number, and are connected to a database to map and identify individual extremely noise-polluting vehicles.

Moreover, a communication protocol with the drivers makes it possible to communicate to high-noise emitters a request for Periodic Technical Inspection.

The Pollution Monitoring Device has been implemented in Rotterdam (NL), Barcelona (ES), and Florence (IT).

Get in touch and learn more!

Traffweb
Project MORE

Traffweb

Software

Traffweb is a data portal that manages information on road issues and urban space design options.

**Citizen Engagement** | **Mapping & Monitoring** | **Streets & Roads**

It is an innovative tool accessible to all stakeholders involved in the project, including citizens, centralising all collected information in one platform.

The users can report issues in specific areas and comment on the proposed designs, allowing for a more appropriate response for road maintenance, safety, and the right use of new technologies.

Traffweb enhances public engagement and facilitates the intricated laborious consultation process, also enabling an easy feedback loop.

Its open structure enables the publishing of data from a wide range of sources and is configured to address many different operational needs.

Get in touch and learn more!
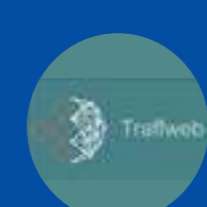
Active Mobility · Multimodality · Mobility Infrastructure · Accessibility & Inclusivity · City logistics · Public Realm · Future Mobility · Mobility & Energy · Pollution Reduction · Partnerships

CIVITAS — Sustainable and smart mobility for all

THE CIVITAS INITIATIVE IS CO-FUNDED BY THE EUROPEAN UNION

eit Urban Mobility

Co-funded by the European Union

Let's build the future!

Do you have a market-ready mobility innovation that needs more visibility? Are you looking to expand your network to help you drive your offering to the next level?

The Mobility Innovation Marketplace receives thousands of visits a month and is the largest platform in the world for mobility-focused innovation solutions.

Share your mobility product, service, or software on the *Mobility Innovation Marketplace* now!
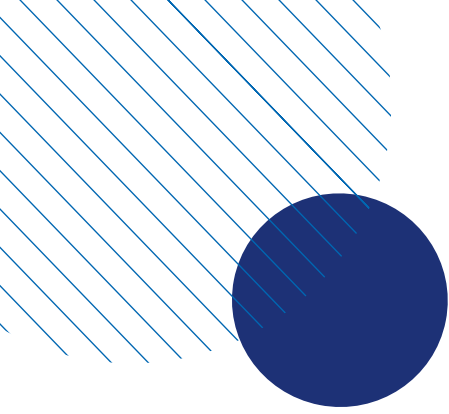
Want to see your soluton in the catalogue?
Contact us at marketplace@eiturbanmobility.eu

Stay up to date on the lastest mobility innovation!