

# **Investment Portfolio**





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Together, we're turning the wheels of progress, driving towards a greener, more sustainable world.





1.2

# Foreword from our CEO

In our quest for sustainable mobility, it is paramount to channel resources towards innovations and start-ups that amplify positive societal and environmental contributions. Using impact measurement as our guiding star, we ensure that every investment propels us towards a greener tomorrow.

In a mere span of four years, our start-up portfolio has surpassed industry standards in terms of potential for societal and environmental improvement. An impressive 44% of start-ups under our umbrella are steered by leaders who are women, in contrast to the industry average of 18%. Our commitment to endorsing woman-led start-ups stems from our belief in the power of diverse perspectives to drive business excellence and shape an equitable mobility landscape.

Relentlessly, we refine our impact measurement framework, ensuring a holistic understanding of the ripple effects our companies create, thereby guiding our investment choices.

As an entity co-funded by the European Union, our aspirations extend beyond financial returns. Therefore, we are devoted to fostering tangible, enduring transformations in both society and the environment; creating more liveable cities for all.

# Dr. Maria Tsavachidis

**Chief Executive Officer, EIT Urban Mobility** 

<sup>1</sup> Report on Women Entrepreneurs in Europe | Startups & Places (startupsandplaces.com)

# 1.2 Who we are

In an era marked by rapid urbanisation and the increasing need for more sustainable solutions, EIT Urban Mobility stands at the forefront of a transformative mission.

Launched in January 2019 as an initiative of the European Institute of Innovation and Technology (EIT), EIT Urban Mobility is committed to accelerate the transition to sustainable mobility by connecting public and private actors to markets, talent, funding and knowledge. We are devoted to the creation of a more sustainable and liveable future, and our journey is enriched by collaborations with visionary start-ups and scale-ups.

Within our organisation, the Impact Ventures team creates and nurtures these collaborations by supporting entrepreneurs driven to confront global challenges head-on. Through financial backing, expertise and networking opportunities, we empower these visionaries to realise the full potential of their groundbreaking ideas and amplify their impact. We are committed to investing in companies dedicated to addressing pressing global challenges in the mobility sector.

We support ventures by empowering and catalysing their journey of growth and impact. We do so through several different channels and opportunities:

- Funding through blended grants and equity investments: We provide the financial fuel needed to accelerate innovative solutions, enabling them to take root and flourish in dynamic urban environments.
- Knowledge and training through partner-led programmes: Our commitment to nurturing talent and fostering innovation ensures that ventures have access to a wealth of expertise and training.
- Networking and hot lead introductions through dedicated support to our start-ups: Our extensive network serves as a bridge, connecting companies with the right stakeholders across our partner countries.

As an impact investor, we seek out innovative solutions that not only promise financial returns but also generate positive and measurable social and environmental impact. Our programmes and activities are all driven by a unified purpose - to contribute to impact in three critical areas that align with the major societal challenges of our time:

- Improving quality of life in cities: We endeavour to make urban spaces more liveable and enjoyable for people.
- Mitigating and adapting to climate change:
   Our initiatives are geared towards reducing carbon
   emissions and enhancing urban resilience in the face
   of climate-related challenges.
- Creating jobs and strengthening the European urban mobility sector: By fostering innovation and growth, we stimulate job creation and boost Europe's position in the global urban mobility sector.

Our portfolio companies play a crucial role in addressing the complex urban mobility challenges that cities around the world face through the development of sustainable solutions. This report aims to provide a comprehensive exploration of the sustainability efforts and outcomes of these dynamic companies, shedding light on their contributions to create a more sustainable and liveable urban future.



1.3 Impact ventures highlights<sup>2</sup>

EIT Urban Mobility Programme Portfolio

350 supported ventures

€128.1 M funds raised

39 countries represented

32% woman-led ventures

€12M+ capital invested

EIT Urban Mobility Equity Portfolio

89 ventures

€63.1M funds raised

25 countries represented

44% woman-led ventures

€9.2M (Blended finance) investment

920 direct or indirect jobs created

8,700 tons of reduced GHG emissions

<sup>2</sup> Data based on activities until the 1 November 2023

# 1.3.1 Co-investors

#### **bring** CONEXO almi invest **BRIDGESTONE** BIMOTION Katapult firis capital Contrarian **DECELERA** FMERGE Ventures **PLUGANDPLAY** IANZ^DERA Mutschler Ventures Aktiengesellschaft ponooc RATP Rockstart seedblink CAPITAL Statkraft SECOND CENTURY INNOVATION techstars **VECTOR**

# Investment highlights

# **ELONROAD®**

# Electric road solution Elonroad has been in our pool of next generation impact unicorns since 2020.

The company's solution enables the automatic charging of vehicles while driving and being parked, increasing uptime, productivity and space efficiency.

After our first investment in Elonroad was made in 2020, we provided additional follow-on investments both in 2021 and 2022. This decision to offer continuous investment was based on the company's cutting-edge technology and its ability to scale internationally, with particular success piloting solutions for numerous clients in both business-to-business and business-to-government channels.

Some new customers of Elonroad's services include APM Terminals (Denmark), the Municipality of Lund (Sweden), and AISIN (Belgium), among others.

Additionally, Elonroad is particularly involved with Norwegian company Bring, enabling Norway to lead Europe as the first emission-free country.

Thanks to robust market growth and the expansion of their business, Elonroad is projected to achieve revenues of over €3.25 million in 2023, with a forecast of €6 million for 2024.



# vonzu.

VonZu Tech, a Barcelona-based software logistics provider, disrupts the second and third-party logistics delivery cycle.

Their innovative operating systems cater to retailers and logistics operators, enabling efficient last-mile delivery for their pool of forward-thinking clients, allowing them to autonomously manage and optimise last-mile deliveries.

The investment in VonZu Tech is a crucial step in rethinking the way EIT Urban Mobility approaches sustainable last-mile delivery.



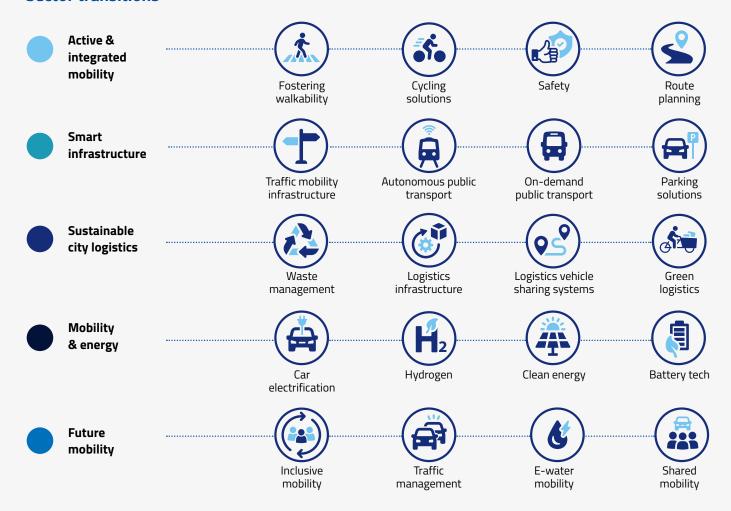
Circu Li-ion is a European battery upcycling company with the mission to save the planet by boosting the value of each battery.

In 2021, Circu Li-ion embarked on the journey to revolutionise the battery value chain by automating and scaling the disassembly of batteries and the diagnostic of cells—for a more economical and ecological battery recycling. The company holds a clear commitment to sustainability and recycling benchmarks with the ultimate goal of upcycling 3 billion batteries by 2035.

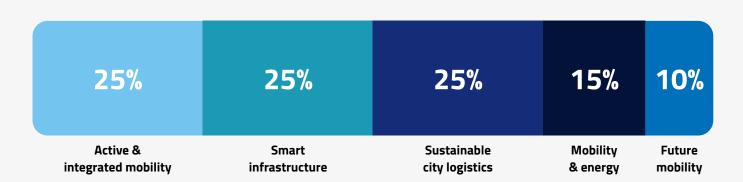


# 1.3.3 Business models and enabling technologies

#### **Sector transitions**

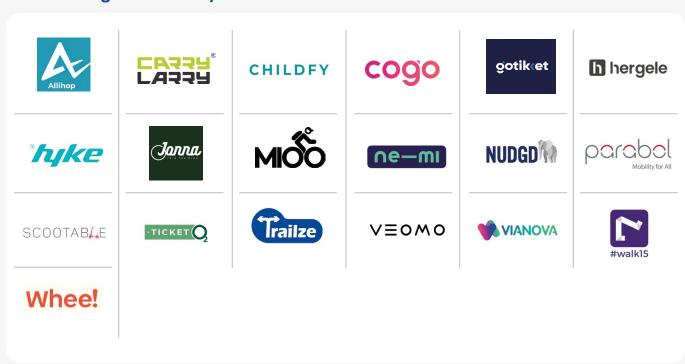


# **Capital allocation target**

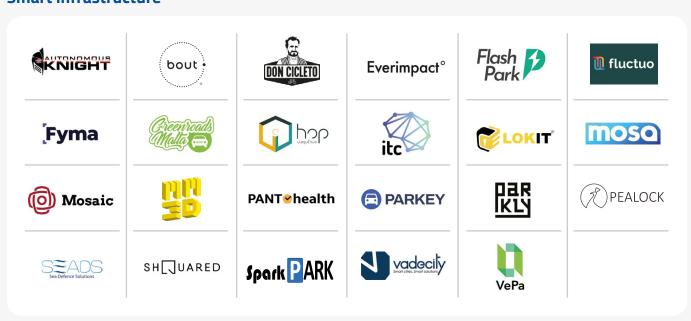


# 1.3.4 Equity portfolio companies

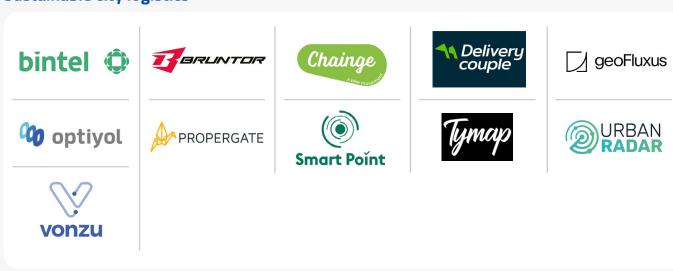
# **Active & integrated mobility**



#### **Smart infrastructure**



# Sustainable city logistics



# **Mobility & energy**



# **Future mobility**



Sustainability is the heartbeat of our investments, connecting us to a greener, more liveable planet.



# 2.1 How do we define impact investing?

# Our investment strategy is to produce positive outcomes for both people and the planet, all while ensuring competitive market returns.

To achieve this, we maintain a strict focus on evaluating our portfolio companies based on their impact metrics as well as financial indicators. Our ultimate goal is to boost businesses that do more good than harm to the world, creating a net positive impact on our planet.

Our strategy for driving the shift towards net positive impact centres on a company's business model, including their core products and services. While traditional ESG (environmental, social, and governance) approaches are valuable for ensuring that companies adhere to responsible practices, we recognise their limitations when it comes to cultivating the companies our future requires. Therefore, we seek net positive impact oriented companies to accomplish our goals, and prioritise the assessment of the impact of companies' products and services.

The pillars of our impact approach:



#### 1. Demonstrating a net positive impact:

We account for both the negative and the positive effects of a company's products and/ or services and we aim to invest in companies that create more benefits than costs. We strive to invest in companies with disruptive solutions that will enable the shift to more sustainable mobility and liveable cities, while supporting the transition to a decarbonised world.



 Alignment with the Sustainable Development Goals: We prioritise companies that clearly demonstrate measurable revenue alignment with the Sustainable Development Goals. In particular, we prioritise investment in companies that align with EIT Urban Mobility's SDG focus areas.

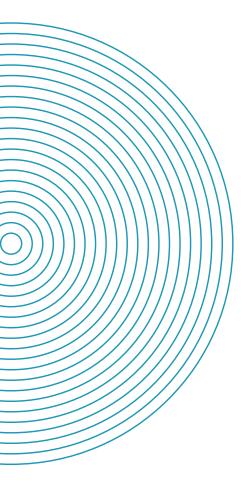


3. Consideration of EU regulations: We consider EU regulations, such as the EU Taxonomy, and we assess the eligibility and alignment of each company's products and/or services to each of the relevant taxonomy objectives.



**4. Gender-balanced teams:** We support companies with gender-balanced teams.

For more information on the net positive impact, SDGs and EU Taxonomy, please see page 16.



# 2.1.1 Purposefulness

# We invest with the following strategic focuses, all with the aim of fostering significant positive impact.

#### Supporting early-stage start-ups:

 Our strategic focus of funnelling capital towards earlystage start-ups during pre-seed, seed, and series A rounds is a crucial move. Early-stage ventures typically encounter the greatest hurdles in securing necessary funding and resources to convert their vision into an operating business. Through our investments in these ventures, we play a pivotal role in enabling the introduction of innovative mobility solutions to the market, expediting the progress of pioneering technologies and services, ultimately leading to more effective solutions for urban mobility challenges.

#### Investing in underdeveloped economies (RIS countries):

 Focusing on underdeveloped economies, often referred to as RIS (Regional Innovation Scheme) countries, is a forward-thinking approach. These regions typically have enormous untapped potential and can greatly benefit from investments in innovation and mobility. By directing resources to these areas, we contribute to economic growth, job creation, and the development of sustainable transportation systems.  With focus on RIS countries we mobilise public and private capital by becoming the first non-local investor in emerging entrepreneurial ecosystems.

# Supporting underrepresented minorities (woman-led companies):

 Our commitment to supporting underrepresented minorities is not only a socially responsible decision, but also a strategic one. Diversity in the start-up and innovation ecosystem leads to a broader range of perspectives and solutions, enhancing creativity and problem-solving. By investing in companies led by women, we help address gender disparities in entrepreneurship while simultaneously fostering a more inclusive and equitable mobility industry.

Overall, our approach aligns with the principles of inclusive and sustainable innovation. By focusing on early-stage start-ups, underdeveloped economies, and underrepresented minorities, we are not only investing in the future of urban mobility but also contributing to the economic and social development of regions that may have been overlooked in the past. This approach has the potential to yield significant long-term benefits for both the mobility sector and the global community by fostering innovation, creating jobs, and promoting diversity and equality.

# <sup>2.1.2</sup> Measurement

In order to measure a company's net impact, and deliver a transparent view across specific categories, we employ the Upright Net Impact Model, a quantification model that is based on a neural network summarising more than 250 million scientific articles, public statistical databases and a proprietary taxonomy of over 150,000 product and service categories.

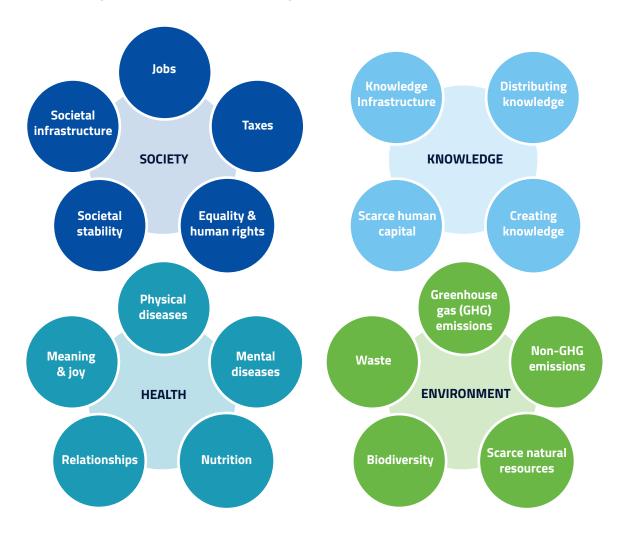
We implement this methodology with the conviction that it will enhance value, mitigate investment risks, and make positive contributions to global sustainability.

The primary aim of the Upright Net Impact Model is to illustrate companies' resource utilisation and the outcomes of this usage.

The Upright Net Impact Model assesses both the positive and negative impacts of a company's activities, often referred to as "benefits" and "costs." Considering both aspects simultaneously with this approach is crucial to gain a measured picture and to make informed decisions as consumers, employees, investors, and leaders.

## Net impact quantification

We measure the positive and negative impacts across four broad dimensions and 19 categories of impact, as defined by the Upright Net Impact Model. These categories are:



The framework is designed to be mutually exclusive in that there will be no double-counting of benefits or costs, and it aims to capture all value created by companies. This framework is unique as traditional sustainability and impact frameworks only consider a limited selection of "impact topics". <sup>3</sup>

When analysing a company's impact on the previously outlined four dimensions and 19 categories, the Upright Net Impact Model assesses impacts at three stages of the value chain:

 Internal impacts that stem from activities within the company. Usually, these are the impacts that companies themselves primarily measure and report.

- Upstream impacts that come from the company's suppliers, encompassing all steps of the supply chain, including primary production.
- Downstream impacts that occur when other actors in the value chain, such as companies and consumers, use the company's products and/or services.

In essence, the Upright Net Impact Model offers a comprehensive and balanced perspective on company impact, considering all aspects of resource utilisation and value creation.

Find the results of our Net Impact Report on page 21 of this report.

<sup>&</sup>lt;sup>3</sup> To know more about each category of impact please visit Upright Platform Knowledge Base: Welcome - Upright Knowledge Base (uprightplatform.com)

## **Sustainable Development Goals**

The Sustainable Development Goals (SDGs), adopted by the United Nations in 2015, represent a transformative global agenda aimed at addressing some of the world's most pressing challenges. These 17 interconnected goals set forth a universal call to action to end poverty, protect the planet, and ensure prosperity for all by 2030. The SDGs are a powerful framework that seeks to balance economic, social, and environmental sustainability; offering a comprehensive roadmap for governments, organisations, and individuals to work together towards a more equitable and sustainable future.

By using the Upright Net Impact Model, we are able to assess the alignment of our portfolio companies' products and/or services with the Sustainable Development Goals. This assessment is done in a top-down approach based on the alignment and/or misalignment of revenue contribution of the company's products and/or services to a specific SDG goal, and corresponding targets and indicators.

This approach allows us to understand in depth the type of products and/or services that require our attention and efforts to achieve better results, as well as the ones that greatly contribute to achieving these sustainability goals.

As part of our strategic approach to contribute to the SDGs, we give priority to five of them along with their corresponding indicators and targets:

# 7 AFFORDABLE AND CLEAN ENERGY



Ensure access to affordable, reliable, sustainable, and modern energy for all.

# DECENT WORK AND ECONOMIC GROWTH



Promote sustained, inclusive and sustainable economic growth, full and productive employment, and decent work for all.

# 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



Build resilient infrastructure, promote sustainable industrialisation and foster innovation.

# 11 SUSTAINABLE CITIES AND COMMUNITIES



Make cities and human settlements inclusive, safe, resilient and sustainable.

# 13 CLIMATE ACTION



Take urgent action to combat climate change and its impacts.

Find the results of our SDG Alignment Report on page 23 of this report.



# EU Taxonomy eligibility and alignment

The EU Taxonomy is a groundbreaking regulatory framework introduced by the European Union to promote sustainable finance and facilitate the transition to a greener, more environmentally sustainable economy. It serves as a comprehensive classification system that defines what economic activities can be considered environmentally sustainable.

By providing a clear and standardised set of criteria, the EU Taxonomy aims to guide investors, companies, and financial institutions in making informed decisions about the environmental sustainability of their investments and activities.

We utilise the EU Taxonomy to screen and assess companies, alongside the net impact report and SDG alignment results, in order to help us understand the impact created by our portfolio companies.

The EU Taxonomy defines environmentally sustainable activities based on six objectives4 and we consider the following three that most closely align with our activities. We assess the percentage of a company's activities that are eligible for screening for each EU Taxonomy objective, and their consequent alignment.

<sup>4</sup> The six objectives also include: (1) The sustainable use and protection





#### Climate change mitigation

The criteria for climate change mitigation encompasses a wide range of activities and sectors, including energy production and transportation, and activities must demonstrate substantial contributions to reducing emissions or enhancing carbon removal. Criteria for climate change mitigation may include emission reduction targets, energy efficiency improvements or the use of renewable energy sources.



#### Climate change adaptation

Adaptation activities aim to enhance the resilience of ecosystems, infrastructure and society to climaterelated challenges. Criteria for climate change adaptation may include infrastructure and urban planning that considers future climate conditions; or even enhancement of ecosystem resilience and biodiversity.



#### The transition to a circular economy

Criteria for the transition to a circular economy within the taxonomy encompasses a wide range of activities and sectors. These criteria may include aspects like product design for durability and recyclability, the use of secondary raw materials, waste prevention and resource-efficient production processes.

By using the methodologies outlined here we are able to assess both the EU Taxonomy eligibility, an indication that a certain activity is making a substantial contribution to one of the six environmental objectives, and the EU Taxonomy alignment, which discloses the share of taxonomyaligned turnover; for our portfolio companies.

Find the results in EU Taxonomy on page 24 of this report.

# 2.1.3 Additionality

# Our approach goes beyond impact measurement, but also aims to ensure that our equity portfolio companies are effectively managing their impact.

This approach recognises that our activities are ensuring that those investments result in meaningful, positive changes in the mobility sector. Our focus on effective impact management adds value to our investment strategy through:

#### **Continuous improvement**

Impact management is not a one-time task but an ongoing process. We are looking to work closely with our equity portfolio companies to identify areas where impact can be improved or expanded. This continuous improvement mindset ensures that investments continue to generate positive outcomes over the long term.

#### Capacity building

In some cases, portfolio companies may need support to effectively manage their impact. We aim to offer capacity-building programs, mentoring and/or resources to help these companies optimise their impact generating potential.

#### Collaborative ecosystem

We foster a collaborative ecosystem among our portfolio companies, allowing them to share insights, best practices and resources. This collaborative network can result in cross-pollination of ideas and innovative solutions that benefit all companies involved.

#### Strategic partnerships

We also facilitate strategic partnerships between our portfolio companies and other organisations; including public sector entities, academic institutions and research institutions. These partnerships can amplify the impact of the companies' solutions by leveraging additional resources and expertise.

#### **Scaling impact**

Our approach includes strategies for scaling the impact of our portfolio companies. Whether through expansion into new markets, replicating successful models, or increasing the reach of innovative solutions; the goal is to ensure that positive impacts are not limited to a small geographic area or a specific demographic but are available to scale.

#### Storytelling and advocacy

We also engage in storytelling and advocacy efforts to showcase the success stories and impact of our portfolio companies. These efforts can help raise awareness, attract additional support, and inspire others to invest in sustainable urban mobility solutions.

In conclusion, our approach to effective impact management is multifaceted and forward-thinking. By promoting collaboration, innovation and sustainability within our portfolio companies, we go beyond financial investments to create a holistic ecosystem that drives meaningful and lasting change in the urban mobility sector. This approach not only benefits the companies and regions involved, but also aligns with our broader goals of creating more sustainable and inclusive urban environments for all.



# <sup>2.2</sup> What is our impact investment process?

# **Scouting**

#### Attract relevant deal flow.

- Communicate our impact approach to attract relevant deal flow.
- Identify companies with the potential to have a net positive impact in benchmarking with existing portfolio assessments.

#### Investment decision

# Make a decision on the best investments, considering potential profit and impact.

- Briefing on the potential net positive impact of the companies' products and/or solutions.
- Prioritisation of the companies that have the highest and most scalable impact, positively affecting the urban mobility landscape while mitigating the effects of climate change.

#### **Exit**

#### Impact performance track record.

- Quantify impact creation pre- and post-exit.
- Quantify impact improvements through the investment lifecycle.

# Initial screening/due diligence

Check of the company's alignment with our Impact Ventures impact definition, found in section 2.2 of this report.

- Assess Sustainable Development Goals alignment.
- Evaluate whether there is positive societal and/or environmental impact and profit potential.
- Assess the results of the Upright Net Impact Model and compare to similar companies in each of the five core areas; by sectors, products, services and business models.

#### **Post-investment**

In-depth impact measurement and analysis, and support of equity portfolio companies.

- In-depth impact measurement using the Upright Net Impact Model to understand the impact of the company's products and/or services in four dimensions and corresponding 19 categories.
- Assess SDG revenue-alignment and corresponding targets and indicators.
- Assess EU Taxonomy eligibility and alignment on the environmental objectives.
- Collaboration with equity portfolio companies in increasing their net positive impact.
- Elaboration of impact reports shared with the equity portfolio companies.

We invest in companies that are shaping the future of sustainable mobility, one innovation at a time.

# 3.1 Net impact

#### **Benchmark**

Our companies' benchmark in comparison to a group of 100+ Upright customer portfolios (venture capital funds, private equity funds and some leading impact investors)<sup>5</sup>

Impact	Negative	Score	Positive
SOCIETY	-0.2 -0.2	+19.5 +14.3	+19.7 +14.5
KNOWLEDGE	-5.8 -5.1	-3.3 -2.4	+2.5 +2.7
<b>HEALTH</b>	-1.1 -1.6	+1.6 +3.2	+2.8
<b>ENVIRONMENT</b>	-9.5 -7.6	-2.2 -5.3	+7.3

Key	Name	Net impact ratio
	All EIT Urban Mobility modeled companies	+48%
	Upright Benchmark Group	+40%

As can be seen in the Impact Chart, the net impact ratio for our start-up companies (illustrated in dark blue) is **48%**, compared to the Upright benchmark (illustrated in light blue) of **40%**. This result is significant, as it indicates that overall EIT Urban Mobility's portfolio of investments has higher net positive impacts than that of our 'control group' of the Upright Benchmark.

In terms of positive scoring for the *Environmental* dimension, our companies' score is **7.3**, as compared to the benchmark's **2.3**; which can also be viewed as **+217%** compared to benchmark. In this category we perform clearly above the benchmark group.

Another area of impact that is measured is *Society*. Besides providing jobs and paying taxes, many of our companies also positively contribute to societal infrastructure since their products and services are directly related to improving mobility. Therefore, our companies' positive score for impact in the area of Society is **19.7**, **+35%** compared to the benchmark's score of **14.5**. Our start-ups' main negative impacts stem from *Knowledge* and *Environment* dimensions.

Find out more about our positive and negative impacts, in the next page (Equity Portfolio).

 $<sup>^{\</sup>scriptscriptstyle 5}$  69 equity portfolio companies assessed during the year 2023. Results based on data until 1 November 2023.

Net impact ratio = (positive impacts -negative impacts)

positive impacts

The maximum net impact value is 100%, representing a theoretical absence of negative impacts.
There is no minimum value.

# **Equity Portfolio**

# Our portfolio is a highly net positive group of companies with a net impact ratio of +48%.

All of our modelled companies create the most significant positive value in the following categories: *Societal infrastructure, Jobs* and *Taxes*. The largest individual positive contribution comes from its *Societal infrastructure* impact.

Our start-ups' main negative impacts stem from *Knowledge* and *Environment* dimensions. All of our modelled companies use resources or cause negative impacts mostly in categories of *Scarce human capital, GHG emissions* and *Non-GHG emissions*.

In the *Knowledge* dimension, our companies' most used resource is *Scarce human capital*, as the majority of the start-ups in the portfolio rely on a highly educated and scarce workforce.

The negative impacts on *Environment* derive mainly from the *GHG emissions* and *Non-GHG emissions* associated with some of our portfolio companies' activities. While there are emissions associated with the production, manufacturing, and supply chain processes of some of our companies' activities, these solutions may deliver long-term positive environmental outcomes during their use or operation, further down the line.

Additionally, some portfolio companies may require the use of specific materials, which in turn has a negative impact on the *Environment* metric of *Scarce natural resources* and potentially *Biodiversity*.

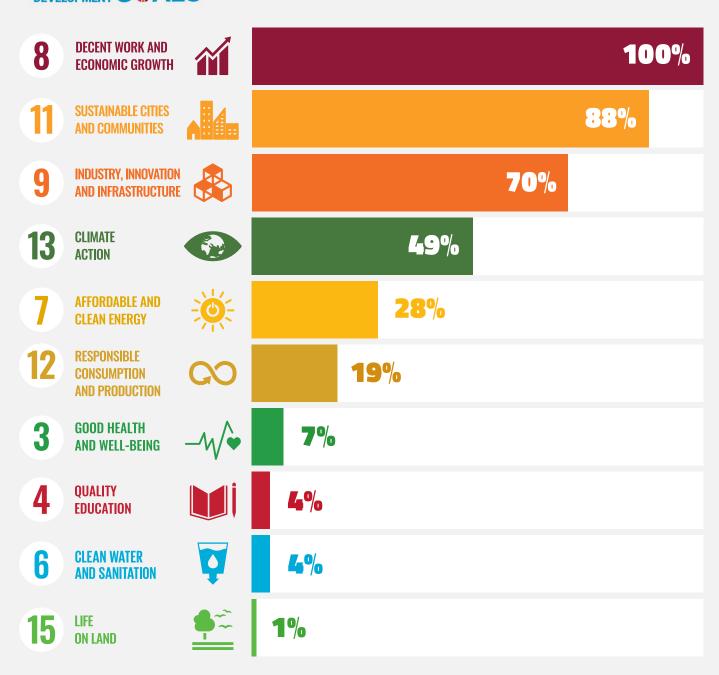
Lastly, the negative *Waste* impact can be seen as predominantly deriving from the lifecycle of some companies' products, as some materials might be difficult to recycle or reuse, ending up as waste.

$\leftarrow$	Costs	Benefits	$\rightarrow$	
-0.1	<b>SOCIETY</b> SOCIETY			+5.3
	Jo	Jobs		
	Tax	(es	+1.6	
	Societal inf	rastructure	+2.0	
-0.0	Societal	stability	+0.0	
-0.0	Equality & h	uman rights	+0.0	
-1.6		NLEDGE	+0.7	
	Knowledge ir	nfrastructure	+0.1	
	Creating k	nowledge	+0.5	
	Distributing	knowledge	+0.1	
-1.6	Scarce hun	Scarce human capital		
-0.3	<b>♦</b> HE	ALTH	+0.7	
-0.3	Physical	Physical diseases		
-0.0	Mental diseases			
	Nutr	Nutrition		
	Relatio	nships	+0.2	
	Meanir	g & joy	+0.1	
-2.6	<b>ENVII</b>	RONMENT	+2.0	)
-1.3	GHG em	nissions	+1.0	
-0.4	Non-GHG emissions		+0.7	
-0.2	Scarce natural resources			
-0.3	Biodiversity		+0.0	
-0.3	Waste		+0.2	
Net impact ratio +48%				

 $<sup>^{\</sup>rm 6}$  69 equity portfolio companies assessed during the year 2023. Results based on data until 1 November 2023.

# 3.2 Sustainable Development Goals -Equity Portfolio Alignment<sup>7</sup>

# SUSTAINABLE GALS DEVELOPMENT GALS



 $<sup>^{7}\,</sup>$  69 equity portfolio companies assessed during the year 2023. Results based on data until 1 November 2023.

# 3.3 EU Taxonomy

#### **Benchmark**

Our companies' benchmark in comparison to a group of 100+ Upright customer portfolios (venture capital funds, private equity funds and some leading impact investors)<sup>8</sup>

	<b>eit</b> Urban Mobility	Benchmark Group
EU Taxonomy Eligibility for all objectives	51.6%	33%
EU Taxonomy Alignment for all objectives	34.1%	12%

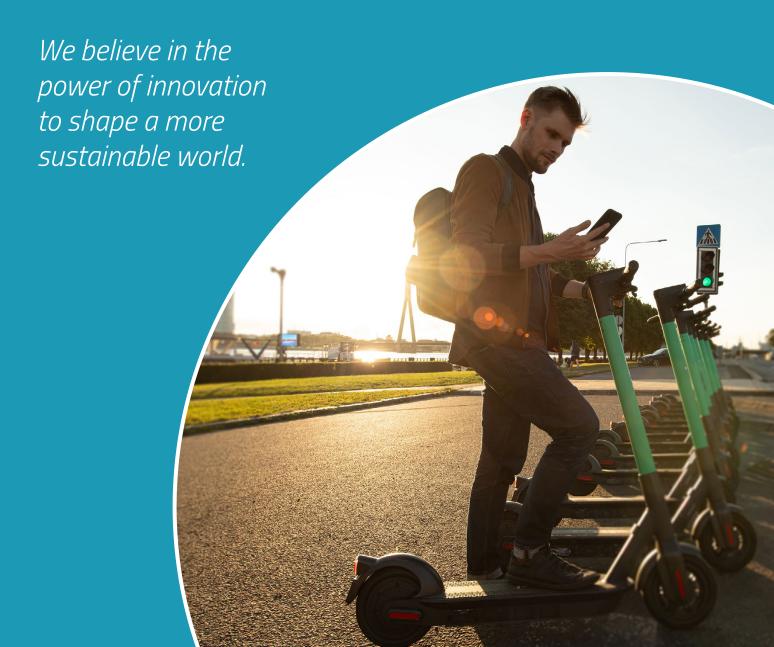
Looking through the EU Taxonomy lens, our portfolio of start-ups exhibits a **higher level of alignment and eligibility** compared to the benchmark group, reflecting our stronger commitment to environmentally sustainable practices and investments.

We have strategically structured our operations and investments to align closely with the EU Taxonomy's environmental objectives. We have made substantial efforts to ensure that our equity portfolio companies' activities significantly contribute to climate change mitigation, the transition to a circular economy, and other sustainability goals outlined in the EU Taxonomy Regulation.

Our stronger alignment positions us more favourably for accessing green financing, supporting the EU's sustainability goals, and contributing to the transition to a more environmentally responsible economy.

	CO <sub>2</sub>			
Objective	Climate mitigation	Circular economy	Climate mitigation or adaptation	Total
Eligibility	45.7%	15.5%	47.5%	51.6%
Alignment	28.9%	7.2%	29.3%	34.1%

<sup>&</sup>lt;sup>8</sup> 69 equity portfolio companies assessed during the year 2023. Results based on data until 1 November 2023.



# Active & integrated mobility

# Within our portfolio, we have invested in innovative start-ups specialising in active and integrated mobility.

These start-ups are actively working to promote the development of pedestrian and cyclist-friendly infrastructure in urban areas. They are also dedicated to enhancing the seamless connectivity between various modes of transportation, making it easier for individuals to move around the city.

Furthermore, these start-ups are committed to improving overall accessibility, ensuring that everyone, including individuals with mobility challenges, can navigate urban environments with ease. Their collective efforts are not only transforming urban spaces into vibrant and dynamic hubs but also contributing to the creation of more liveable cities.

By championing these initiatives, our portfolio companies are fostering environments that encourage healthier lifestyles and are inspiring residents and visitors alike to embrace active modes of transportation and enjoy the numerous benefits of a more pedestrian and cycling-friendly urban landscape.

These active and integrated mobility solutions offer multiple environmental benefits by reducing emissions, conserving resources, and improving air quality. Simultaneously, they have substantial social impacts, including promoting better public health, enhancing accessibility, promoting equity, and contributing to the creation of more vibrant and interconnected communities.



# MIOO



# Convenient safety and service for everyday cyclists

MIOO improves the experience of cycling with digital aftermarket solutions, convenient services and cutting-edge anti-theft programs; making their rides hassle-free and exceptionally smooth.

Through a subscription model, the MIOO application combines innovative technology and usability to make at-home bike services more accessible than ever. Through the app, users can book a time and location to be connected to a Bike Buddy - a network of mobile mechanics who travel to the users' home or workplace to provide reliable and affordable bike services. Providing users with maintenance, repair, and accessories; they can easily keep their bikes in top condition, encouraging the uptake of this emissions-free transportation mode.

The app also allows cyclists to keep track of their bike's service history, book repair and maintenance services and register the bike in their antitheft and insurance programme. These programmes provide peace of mind and enhance bike security. Additionally, MIOO's antitheft programme enables bicycle tracking, increasing chances of recovery and keeping bikes in circulation. With MIOO, cyclists can feel confident and secure, knowing that their bikes are protected and well-maintained.



Website: mioo.cc

Founded: **2019** 

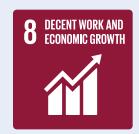
CEO: **Tomas Grönqvist** 

HQ: **Sweden** 

Net Impact Score:



SDG alignment:







# Hyke





Hyke is a Norwegian start-up focused on zero-emission waterborne mobility. Their mission is to tackle pollution and congestion in cities by deploying electric, autonomous ferries for urban transportation and last-mile logistics. These ferries are designed to provide cleaner, more efficient and more environmentally friendly transportation options.

By working with local partners to make waterborne transportation economically viable and sustainable, Hyke creates accessible shortcuts across waterways to improve urban mobility. The ferries incorporate intelligent features like auto-docking, sensor packs and optimised deployment to enhance safety, reduce operational costs, and improve efficiency.

These ferries address the issues of urban pollution and congestion by offering a transportation solution that produces zero emissions, does not take up space on urban streets and operates quietly.

Overall, Hyke aims to provide cleaner, quieter and more convenient urban transportation through the use of ferry solutions that contribute to more sustainable and connected cities.



Website: hyke.no

Founded: **2019** 

CEO: **Bjorn Utgard** 

HQ: **Norway** 

Net Impact Score:



SDG alignment:











These advancements not only amplify operational efficiency and safety but also empower urban planners and decision-makers with valuable datadriven insights to navigate the challenges of modern cities more effectively. Whether it's optimising traffic flow or monitoring critical infrastructure components, our start-ups are dedicated to making urban environments smarter, safer and more efficient through the strategic infusion of technology.

The impacts of the smart infrastructure solutions developed by our portfolio companies is multifaceted. These solutions enhance the efficiency of urban infrastructure by optimising traffic flow, reducing congestion and streamlining various operations, leading to smoother and more efficient urban environments. The reduction in traffic congestion also translates to lower fuel consumption and reduced greenhouse gas emissions, thus positively impacting the environment.

Additionally, by integrating advanced technology, these solutions contribute to safer cities by monitoring and responding to potential hazards and emergencies more effectively, thereby reducing risks and improving overall safety.

The incorporation of cutting-edge technology provides urban planners and decision-makers with real-time data and valuable insights, empowering informed decisions regarding urban development, resource allocation and infrastructure enhancement.



# Autonomous Knight





Autonomous Knight, founded in 2021 in Genk, Belgium, specialises in multi-spectral cameras that go beyond human vision, ensuring visibility in all weather conditions. Their advanced sensor technology is at the forefront of multi-spectral camera systems, revolutionising automation across various industries, including mobility, aerospace, industrial automation, security, shipping, mining, defence, automotive and unmanned aerial vehicles (UAVs).

Autonomous Knight aims to enable the future of commercial autonomous transportation on land, water, and in the air. Their goal is to replace LIDAR as the preferred mid-to-long-range sensor in autonomous transportation, supply the leading situational awareness system and become the most valuable machine vision company by monetising imagery data. They also aim to establish a world-class knowledge and expertise centre for electro-optical and cyber-physical systems to stay ahead of the competition.

Their technology can contribute to reduced energy consumption, reduced emissions, and the conservation of natural resources by optimising processes and enhancing efficiency.



Website:
autonomous
knight.com

Founded: **2018** 

CEO: **Geoffrey Ejzenberg** 

HQ: Belgium

Net Impact Score:



SDG alignment:

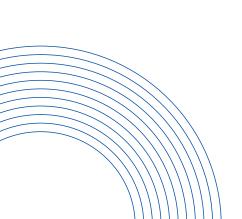












# Mosa



# Smart, secure and sustainable micromobility parking solutions

Mosa offers smart and secure micromobility parking solutions for forward-thinking buildings and spaces in cities. They work in partnership with urban spaces and organisations to transform existing bike racks into intelligent and secure green transport hubs through cutting-edge smart-docking technology.

For individuals, Mosa simplifies the cycling experience. It helps to easily locate secure parking spaces, safeguard bikes with police-approved photographic evidence, track cycling metrics and in the future will offer access to free super-secure bicycle parking docks. With Mosa, it is also possible to rate bike racks within the community, gain insights into the health and carbon footprint of the users and participate in choosing locations for new Mosa docks.

For property managers and early adopters who see the potential of cycling for greener cities, Mosa offers a solution: to integrate cutting-edge technology into existing spaces, transforming regular bike racks into state-of-the-art cycle parking and service hubs. Their comprehensive sustainable transport package includes an intelligent management and data platform, a user app, a smart docking system and ongoing support and maintenance.

The Mosa app goes beyond bike security; it celebrates the vital role cyclists play in achieving net-zero emissions. They believe in the power of cycling to reduce emissions and create greener cities, and they are committed to supporting cyclists and promoting sustainable transport in every way possible.

Mosa is dedicated to revolutionising urban mobility by providing smart and secure micromobility parking solutions for spaces and individuals, which benefits both communities and the environment.



Website: mosa.to

Founded: **2021** 

CEO: Josh Liu

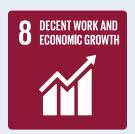
HQ: UK

Net Impact Score:



SDG alignment:







# Sustainable city logistics

Within our portfolio, start-ups specialising in sustainable city logistics are spearheading a transformative wave in last-mile delivery solutions, freight transportation optimisation and the reduction of carbon emissions in urban areas.

These innovative companies leverage cutting-edge technologies and strategic approaches to reshape and enhance the urban logistics landscape, resulting in a more sustainable, efficient and environmentally friendly delivery ecosystem.

These companies are redefining last-mile delivery by introducing innovative approaches such as drone and autonomous vehicle deliveries and efficient route planning. These advancements promise quicker, more convenient and eco-friendly delivery services for urban consumers.

They are also streamlining freight transportation processes by implementing data-driven logistics solutions. They optimise supply chain operations, reduce transportation inefficiencies and enhance the overall flow of goods in urban areas, leading to significant resource savings and emissions reductions.

Additionally, these companies leverage advanced technologies like artificial intelligence, route optimisation algorithms and IoT sensors to enhance logistics operations. These innovations not only boost efficiency but also contribute to reduced energy consumption and emissions.

A core focus of these start-ups is curbing carbon emissions associated with urban logistics. They deploy electric and low-emission vehicles and devise eco-friendly delivery strategies to minimise the environmental footprint of last-mile delivery services.

In summary, our portfolio is at the forefront of reshaping urban delivery and transportation. The products and services of our start-ups offer the potential for faster, more efficient and more environmentally responsible logistics solutions, ultimately paving the way for sustainable urban environments and reduced carbon emissions.



# Bintel



Impact of Bintel over 12 months and 27 recycling locations in Sweden:



**58 tons** less residual waste = 25% reduction



**3 tons** more recycled plastic packaging = 24% increase



**6 tons** more recycled paper packaging = 24% increase



27 tons less CO, emitted = 24% reduction, equivalent to **113,362 km** driven by cars

# bintel ©



Website: bintel.se

Founded: 2018

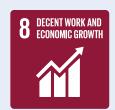
CEO: **Michael Wictor** 

HQ: Sweden

Net Impact Score:



#### SDG alignment:









# Bringing waste management into the digital age

Bintel provides a comprehensive waste management solution, including level measuring sensors, connectivity, cloud-based integration and web-based analytics. They are dedicated to addressing waste management challenges, ensuring operational reliability and supporting business development with a focus on economics and environmental impact. Their platform is versatile and suitable for various waste management applications, making them a valuable partner in the industry's digitalisation journey.

This innovative platform allows users to compare the degree of waste sorting in different areas and prioritise improvements where they are needed most. It identifies structural issues hindering better waste sorting and offers specific actions tailored to each location's unique needs.

Additionally, Bintel provides an overview of container fill levels, volume generated and capacity in relation to industry standards. It also enables users to monitor subcontractor performance and utilise statistical data to optimise their waste management operations.

Bintel's mission is to usher the industry into the digital age, improving efficiency, reducing costs and minimising the environmental footprint of waste management.

Their platform contributes to the reduction of CO2 emissions by reducing heavy traffic, minimising production and service needs, and influencing people's behaviour to enhance source separation and reduce residual waste. All these actions foster circularity and resource optimisation, contributing to both economic and environmental goals.

# Chainge





Chainge offers sustainable last-mile logistics in urban areas by replacing delivery vans with electrically assisted cargo bikes. They aim to reduce inner-city pollution, traffic congestion and noise by delivering goods efficiently and safely. They provide flexible delivery options, including receiving and delivering goods at service hubs, collecting consignments at clients' addresses and delivering to pick-up points.

In contrast to the conventional approach of using diesel vans for parcel delivery, Chainge uses cargo bikes to transport goods to end-recipients, be it businesses, consumers, or public sector organisations. They collaborate with like-minded individuals, businesses and NGOs to drive the green transition and create a more sustainable future. Chainge began its operations in 2019 and has since gained a strong presence in Copenhagen's growing bicycle ecosystem.

By replacing delivery vans, Chainge significantly decreases inner-city pollution, promoting cleaner air and reduced environmental harm. Cargo bikes' agility and efficiency also help alleviate traffic congestion in urban areas, contributing to smoother traffic flow. Additionally, Chainge's flexible delivery options enhance efficiency, ensuring faster and more reliable last-mile deliveries.

Chainge's eco-friendly logistics solution improves urban living conditions, reduces environmental impact and supports the growth of sustainable businesses.



Website: chainge.dk

Founded: **2019** 

CEO: Michael Junge

HQ: **Denmark** 

Net Impact Score:



SDG alignment:







# Mobility & energy

Our portfolio of start-ups in the mobility and energy sectors represents a dynamic and forward-thinking group of companies that are pushing the boundaries of innovation in the fields of transportation and energy consumption.

These start-ups are leading the change in redefining how we navigate our cities and power our vehicles, developing a new era of transportation solutions that prioritise sustainability and environmental consciousness.

They are dedicated to reducing our reliance on traditional fossil fuels and the combustion engines that have been the backbone of urban transportation for decades. Instead, they are exploring innovative ways to tap into renewable energy sources, such as solar, wind and electric power, to propel vehicles and redefine the way we move within our cities.

These visionary companies recognise the urgent need to address the environmental challenges associated with urban transport. Their initiatives are varied but include the implementation of smart grid technologies and the integration of renewable energy sources into urban infrastructure. These efforts are aimed at reducing energy waste and minimising the carbon footprint associated with urban transportation.

By promoting the use of renewable energy sources for transportation, consequently fewer vehicles will rely on fossil fuels which means that fewer harmful emissions are released into the atmosphere, resulting in cleaner and healthier urban environments.

Also, by decreasing the reliance on fossil fuel reserves, these start-ups contribute to the conservation of natural resources, thus helping protect ecosystems and reduce the environmental impact associated with resource extraction and transportation.

As we move forward, it is clear that these visionary companies will continue to play a pivotal role in creating a more eco-friendly and sustainable urban transport ecosystem.



# Bia Powergrid





Website: biapower.io

Founded: **2019** 

CEO: Candace Saffery

HQ: **Spain** 

Net Impact Score:



SDG alignment:











# Optimising electric vehicle charging

Bia Powergrid offers a comprehensive suite of software solutions for smart electric vehicle (EV) charge management.

Their platform provides business intelligence, data management, monitoring and analytics for EV charging infrastructure. It enables real-time monitoring and data processing to deliver actionable insights, allowing users to view trends in EV charging utilisation, costs, flexibility and carbon impact.

Bia Powergrid's optimisation algorithm customises smart charging to reduce operating and energy costs, smooth peak loads and promote sustainable charging. They offer forecasts, simulations and planning tools for efficient EV load modelling and growth strategies.

Their platform is suitable for various sectors, including parking garages, fleets, installers, energy retailers, utilities and manufacturers, making it a versatile solution for a greener and more efficient EV charging ecosystem.

Bia Powergrid solutions have different positive impacts on the environment. They optimise EV charging, reduce energy consumption and promote sustainable practices. This leads to lower greenhouse gas emissions, decreased peak electricity demand, improved energy efficiency, extended EV battery life and reduced infrastructure upgrades. Bia Powergrid's commitment to sustainable charging aligns with eco-friendly energy sources, contributing to a greener transportation ecosystem.

# Inhalance Grid



# Making EV charging available everywhere

Inbalance grid develops smart EV charging hardware and software to overcome grid limitations for the development of charging infrastructure. Overcoming the barrier of grid limitations, Inbalance grid created and innovated their solution from the ground up, in order to be ready for mass EV adoption. With their cloud-based dynamic load management technology, which can accommodate more charging points with less power, they are able to avoid unsustainable and expensive grid upgrades. This approach extends the lifespan of grid infrastructure, reduces the need for additional resources and promotes more environmentally friendly EV charging. Inbalance grid's goal is to make EV charging available everywhere, eliminating grid bottlenecks, to boost the transition to electric transport.

Their cloud and software-based solution goes beyond traditional hardware, allowing EVs to be charged using surplus power from buildings or the grid itself.

This distributed power can efficiently serve multiple charging points, ensuring each vehicle charges at an optimal rate. Such installations offer several benefits, including enhanced building sustainability, expanded grid capacity and a substantial reduction in the capital expenditure required for EV charging infrastructure.

Operating more than 500 charging points throughout the Baltics, with plans to expand further in Central and Eastern Europe, Inbalance grid is the largest and fastest-growing charging network in Lithuania.

Inbalance grid's positive environmental impacts are characterised by their contribution to reducing grid stress, lowering carbon emissions, extending grid lifespan, promoting efficient energy use and advancing electric mobility—all of which collectively contribute to a more sustainable and environmentally friendly future.



Website: inbalancegrid.com

Founded: **2019** 

CEO: Simonas Stankus

HQ: Lithuania

Net Impact Score:



SDG alignment:













4.5

# Future mobility

Our portfolio encompasses dynamic start-ups that specialise in future mobility, driving forward the evolution of urban transportation.

Together, they are instrumental in shaping an urban mobility landscape that is not only more sustainable but also exceptionally convenient.

One of the most transformative developments in the mobility sector is the advancement of autonomous vehicles. Our start-ups are at the forefront of developing self-driving technologies that have the potential to redefine how people and goods are transported within cities. This not only promises increased safety but also offers the prospect of reduced traffic congestion and emissions, making urban mobility more sustainable.

Our start-ups are also pioneers in the creation of shared mobility platforms. These platforms are designed to provide convenient, cost-effective and environmentally friendly transportation options. By facilitating ride-sharing, bike-sharing and other shared mobility solutions, we are contributing to reduced car ownership and congestion while promoting more sustainable urban travel.

They are also at the forefront of cutting-edge technology solutions, deploying sensors, Al algorithms and advanced navigation systems to provide safer, more efficient and less congested urban transportation in the future.

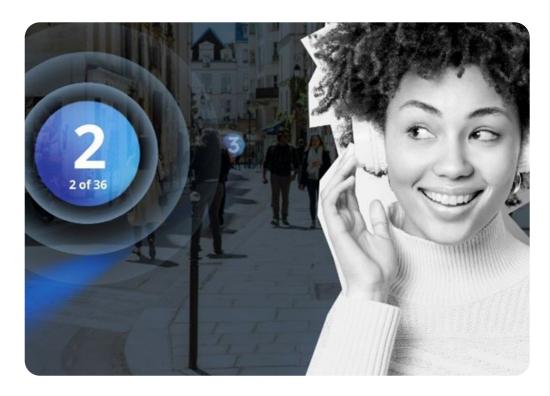
Optimising transportation through data-driven solutions can lead to more efficient and sustainable mobility systems. By harnessing data, they aim to improve transportation networks, reduce congestion and minimise environmental impact. Their focus on data-driven decision-making aligns with the broader trend of using technology to transform traditional industries and make them more responsive to the needs of the modern world.

Creating inclusive and cutting-edge technology is also at the core focus of these start-ups as they recognise that technology can bridge gaps and provide equal access to experiences, making the world more inclusive and enjoyable.

By aligning technology with environmental and societal goals, we are helping to create a transportation ecosystem that meets the evolving needs of modern cities while reducing their carbon footprint.



# **Dreamwaves**



# Creating inclusive navigation solutions with the world's first spatial audio app

Dreamwaves is founded on the passion to create inclusive and cutting-edge technology, and they are dedicated to making 3D audio solutions accessible to all.

One of their recent innovations is the waveOut app, the world's first spatial audio navigation app. It revolutionises outdoor navigation by placing virtual waypoints in the real world. Users can hear these waypoints through spatial audio, enabling hands-free and efficient navigation. This innovation is particularly beneficial to individuals with visual impairments, enhancing their independence and safety on busy streets and public spaces.

The app's accessibility extends to its compatibility with various headphone models, and plans for support with selected hearables will make it even more immersive.

Behind the scenes, state-of-the-art computer vision methods ensure accurate location determination, contributing to a flawless augmented reality experience.

Dreamwaves' holistic navigation solution also offers valuable information about obstacles and points of interest, increasing users' awareness of their surroundings. This technology fosters inclusivity and equitable urban environments by providing a unique and safe sound navigation experience.

While their primary impact is on society due to their products' and services' accessibility and inclusivity, they also promote sustainable transportation by encouraging more people to cycle and walk, consequently contributing positively to reduce emissions.

# الا

Website: dreamwaves.io

Founded: **2019** 

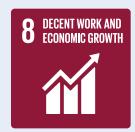
CEO: Hugo Furtado

HQ: Austria

Net Impact Score:



SDG alignment:





# Meight



# Transforming road freight operations with data-driven efficiency

Meight is dedicated to optimising transportation through data-driven solutions. By using data from millions of journeys to anticipate driver behaviour in real-time, Meight aims to bring digital transformation to the road transport industry, which lags in technology adoption. Their platform offers real-time control over freight operations, reducing unforeseen costs and improving efficiency.

Meight's intelligent freight manager unifies data, predicts fuel costs, suggests routes and detects non-compliant driving, ultimately improving the total cost of transport. The platform also streamlines freight management by suggesting the most suitable trucks and drivers, tracking freights in real-time and providing insights to enhance driver behaviour.

By leveraging data analytics, route optimisation and fuel cost prediction, Meight helps road freight companies reduce their overall fuel consumption and emissions. This reduction in fuel consumption contributes to a decrease in greenhouse gas emissions, which is beneficial for the environment.

It also promotes more efficient freight management, reducing unnecessary idling, detours and delays. This not only saves time and resources but also reduces the environmental footprint associated with inefficient transportation practices. Meight's data-driven platform revolutionises road freight operations, making them more efficient, cost-effective and environmentally friendly.



Website: meight.com

Founded: **2018** 

CEO: Luis Mendes

HQ: **Portugal** 

Net Impact Score:



SDG alignment:





# 5. CHALLENGES AHEAD

Our commitment to sustainability extends beyond words; it's ingrained in our actions.

Impact investment has gained considerable ground in recent years. There is a broad spectrum of investors, including individuals, institutions, foundations, and even governments, who recognise the potential of market-driven solutions to address the pressing challenges we face.

However, impact investing still only represents around 3% of assets under management globally, and the urgently felt effects of climate change shows us that this is not enough. A greater mobilisation of private capital is essential to confront global challenges, drive innovation, boost sustainability and grow economic development, while addressing fundamental issues for the well-being of humanity and the preservation of the planet.

The key factors that influence the success of impact investing include intentionality, measurability and impact management, and additionality; and we have proven that we can not only compete – but outperform – the Upright benchmark using this impact approach.

Our ultimate aim is to add value as an investor, in order for more net positive impact to be created. As a support, we aim to have a comprehensive and multifaceted view of the companies' impacts, examining them from a variety of perspectives.

Moving forward, we are firmly committed to support our portfolio companies, to not only advance their own impact, but also to grow their sustainability competence.

Our team will actively engage with these companies, providing valuable support in the development of sustainability-driven strategies, streamlined processes and essential documentation. This collaborative effort will enable us to collectively define and track impact metrics that align with our shared sustainability goals, fostering transparency and accountability.

We stand ready to adapt, innovate and collaborate. Together with our portfolio companies and other stakeholders, we will continue to make meaningful strides in the realm of sustainability, with the collective vision of creating a more responsible and resilient global urban mobility landscape.

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EIT Urban Mobility is an initiative of the European Institute of Innovation and Technology (EIT), a body of the European Union.