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via iD

MOBILITY  
CLUB

# State of European Mobility Startups 2021

January 2022





## Leading innovation ecosystem for mobility entrepreneurs.

### Via ID

As a business accelerator for new businesses and the venture capital arm of Mobivia, Via ID provides long-term support for projects and entrepreneurs in the development of innovative solutions, so that they can become leaders in sustainable mobility and autotech.

Thanks to its hybrid positioning (investor, accelerator, ecosystem facilitator) Via ID supports innovative startups in sustainable mobility at different stages of development in order to help them develop in France and Europe and transform the mobility of tomorrow.

### Mobility Club

The Mobility Club by Via ID connects corporates with startups, and provides its members a deep understanding of key trends in mobility and smart city, but also new business perspectives through investment and/or partnership opportunities.

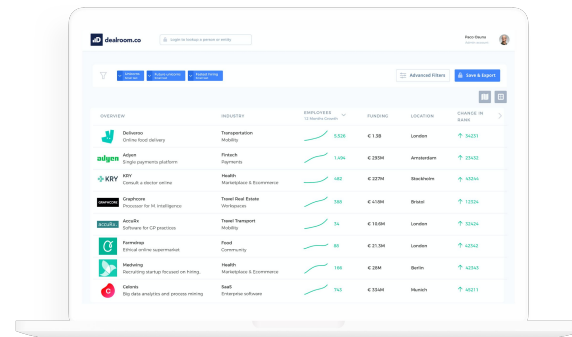
The value proposition of the Mobility Club is built around 3 main pillars: mobility insights, events & networking, dealflow & project flow.



## Global startup & venture capital intelligence platform.

Dealroom.co is the foremost data provider on startup, early-stage and growth company ecosystems in Europe and around the globe.

Founded in Amsterdam in 2013, we now work with many of the world's most prominent investors, entrepreneurs and government organizations to provide transparency, analysis and insights on venture capital activity.

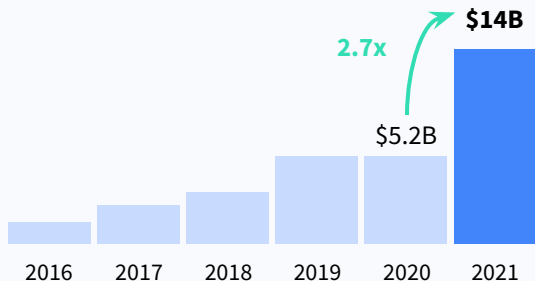


# What happened in mobility in 2021.

## Best year ever for mobility investment in Europe.

European mobility companies raised \$14B in 2021, an all-time high and 2.7x compared to 2020. The growth has been mainly driven by megarounds (>\$100M), which accounted for 65% of all funding. More than 40% of all European mobility unicorns have been created this year with 14 new unicorns. Mobility is being reshaped by the transition to electric mobility, the race for autonomous driving, the reinvention of urban transport with micromobility and innovation in logistics.

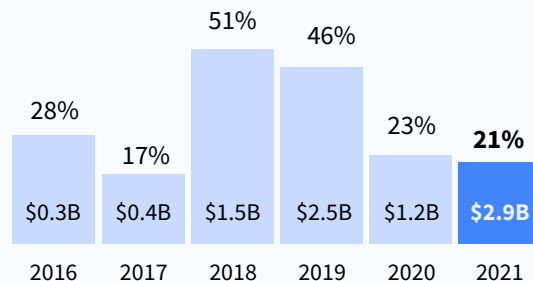
VC investment in European Mobility startups by year



## Corporates keep investing for strategic and financial reasons.

CVC is also pushing a lot of capital into mobility startups, accounting for almost 29% of all the funding since 2015, more than any other sector apart from deep tech. In 2021 however, CVC contributed “only” around 20% due to the entrance of more PE funds, hedge funds and institutional investors into the scene. Corporates are investing for a mix of financial and strategic reasons, often alongside commercial agreements and partnerships.

Corporate investments in European mobility startups by year (% share and total amount)

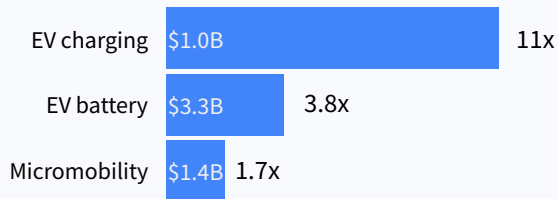


## Europe leads in Micromobility and EV mobility.

Micromobility investments globally are ramping up again after the 2017-2018 wave. But now Europe is showing the way. Attracting more than \$1.4B of investments in 2021, as much as the US and China combined.

EV mobility is also accelerating tremendously, with investment into EV charging infrastructure jumping 11x to \$1B and investment into EV battery value chain up 3.8x to \$3.3B. This rise is led by the change of habits from the pandemic and environmental awareness.

European 2021 VC funding and YoY funding growth



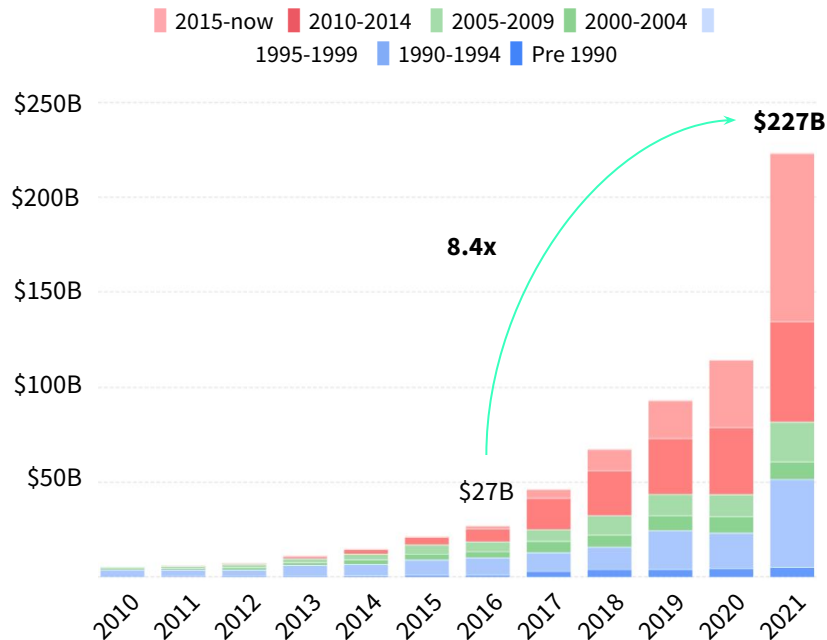
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# Value and Venture Capital

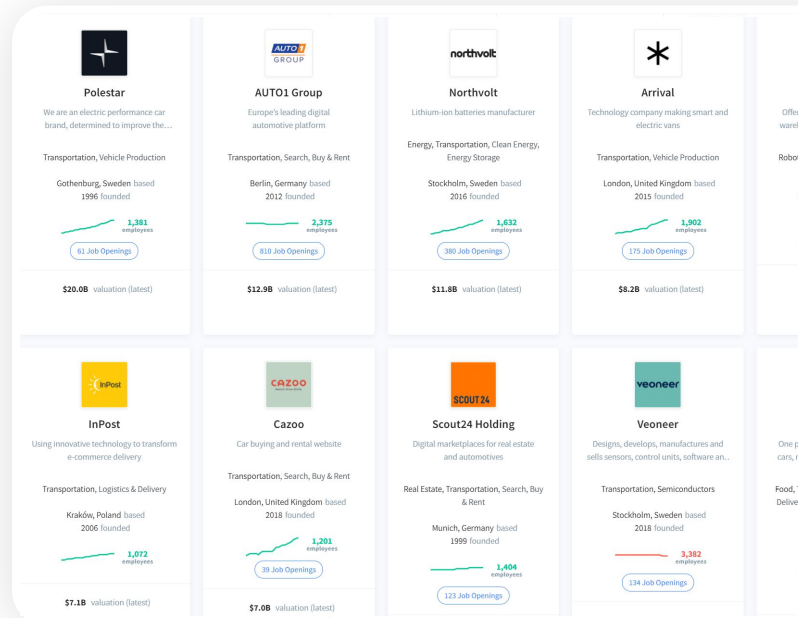


# European mobility startups have surged to a combined value of \$227 billion, up 8.4x since 2016.

Combined enterprise value of European mobility startups by launch year

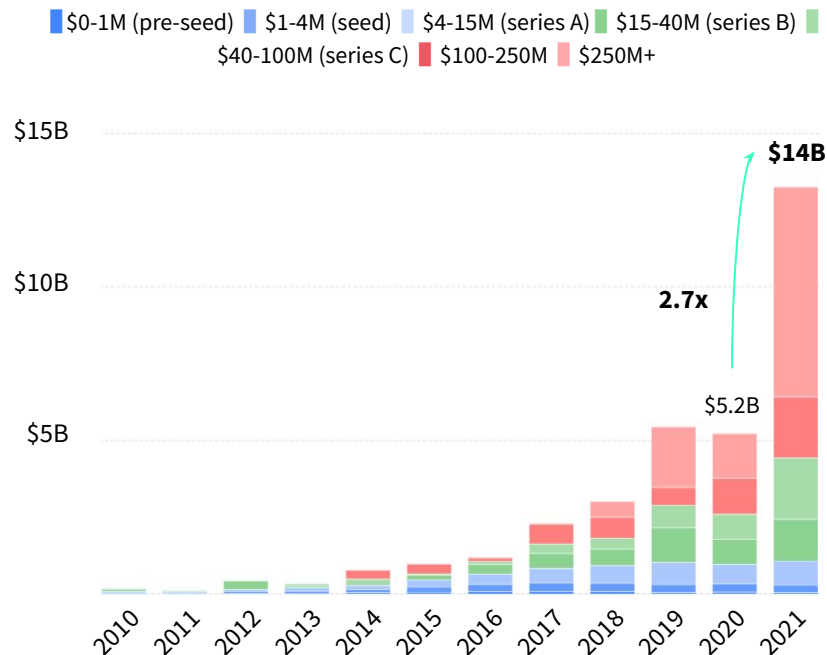


Most valuable companies: [» view online](#)



# 2021 has been a record year for European mobility investments, with \$14B raised, up 2.7x since last year.

## VC investment in European mobility startups

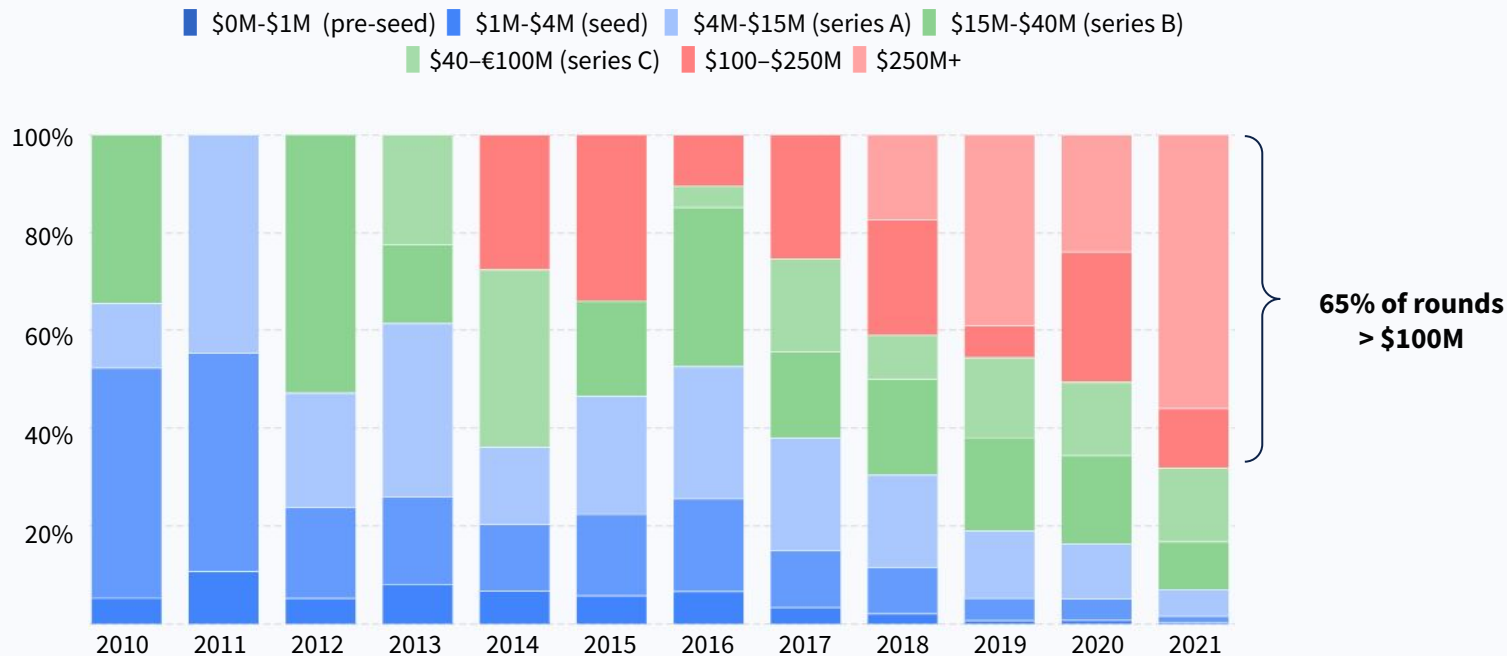


## Top rounds in 2021: [» view online](#)

NAME	INVESTORS	VALUATION	LAST ROUND	DATE
<b>Northvolt</b> Lithium-ion batteries manufacturer	Goldman Sachs Baillie Gifford BT InnEnergy Norrsken VC Fjärde Ap-Fonden (Ap4)	\$11.8b	\$2.8b GROWTH EQUITY VC	Jun 2021
<b>Cinch</b> The easy way to buy a car online	GIC Neuberger Berman Group Soros Fund Management Abu Dhabi Investment Authority	-	€1.2b GROWTH EQUITY VC	May 2021
<b>Bolt</b> One platform that connects you wi...	Sequoia Capital Tekne Capital Management D1 Capital Partners G Squared Naya Capital	\$4.4b	€600m LATE VC	Aug 2021
<b>IONITY</b> High-power charging station netw...	BlackRock	\$2.5b	€500m GROWTH EQUITY VC	Oct 2021
<b>Polestar</b> We are an electric performance ca...	SK Group Chongqing Chengxing Equity Investment Fund Partnership Zibo Financial Holding Zibo Hightech Industrial Investment	\$20.0b	\$500m GROWTH EQUITY VC	Apr 2021
<b>Glovo</b> Barcelona-based startup and the f...	Delivery Hero GP Bullhound Luxor Capital The Drake Group Lugard Road Capital	\$2.2b	€450m SERIES F	Mar 2021
<b>FlixBus (FlixBus)</b> Smart and green mobility for ever...	General Atlantic HV Capital Permira Silver Lake Partners Technology Crossover Ventures	\$3.0b	\$325m SERIES G	May 2021

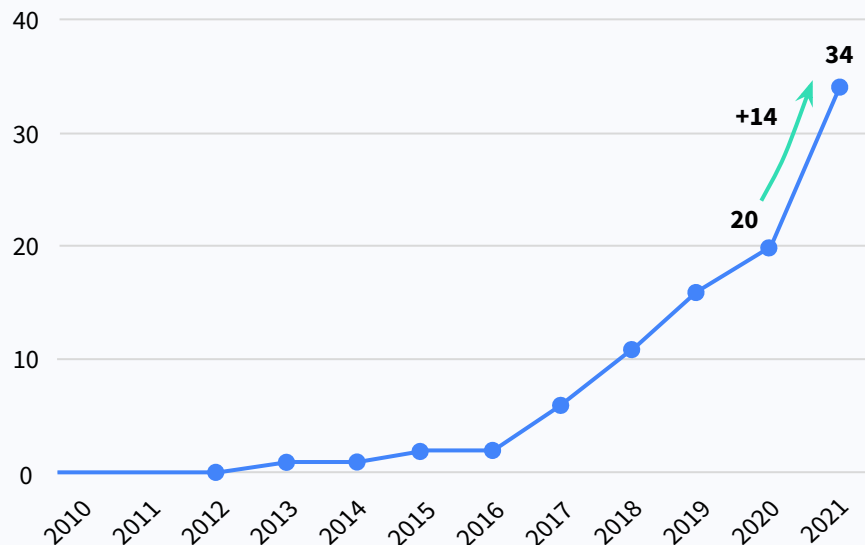
# Megarounds have accounted for 65% of all fundings in 2021, an all-time high.

VC investment in mobility startups by round size » [view online](#)



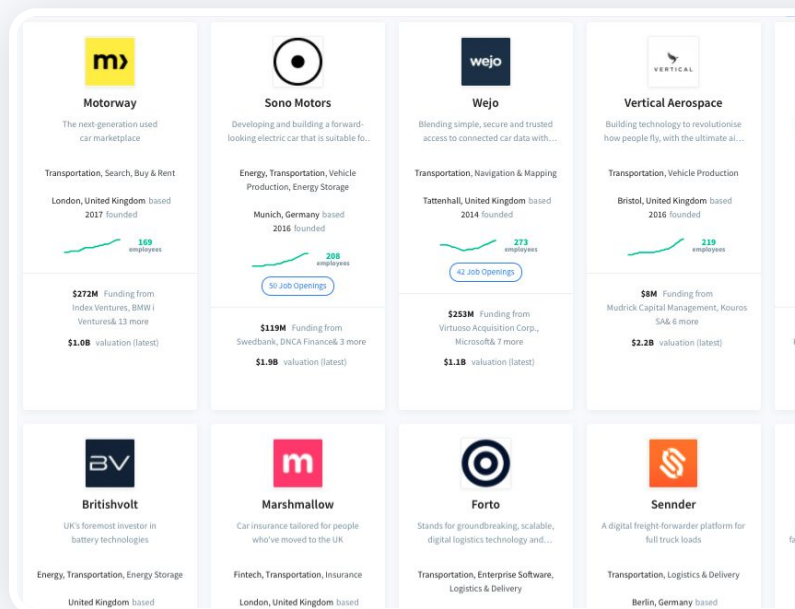
# There are now 34 mobility unicorns in Europe. 14 of these were created in 2021.

Cumulative number of mobility Unicorns



New mobility unicorns in 2021:

[» view online](#)



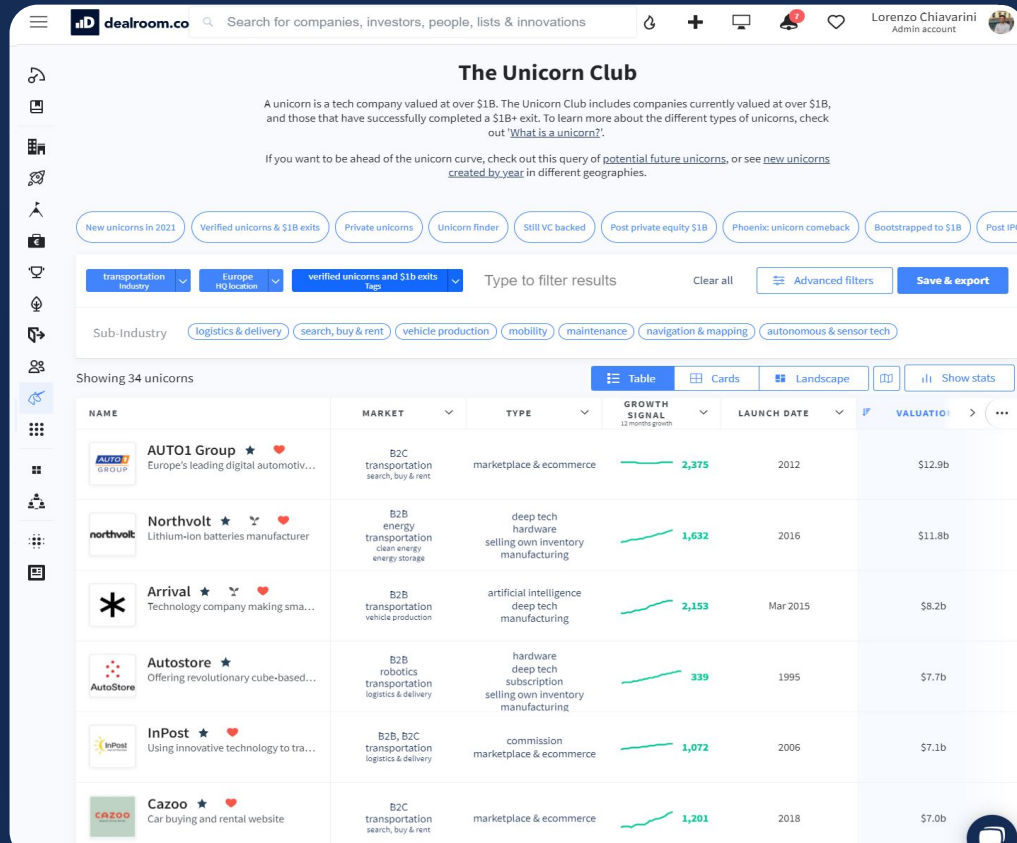
# Explore all 34 Mobility unicorns online.

Mobility unicorns are being created faster than ever before, driven by the acceleration in the transition to electric mobility, the race for autonomous driving, the reinvention of urban transport with micromobility and innovation in logistics. 14 unicorns have been created in 2021, compared to “just” 4 in 2020. More than 40% of all European mobility unicorns have been created this year alone.

» New unicorns in 2021

» Private unicorns

» More ...



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## The Unicorn Club













A unicorn is a tech company valued at over \$1B. The Unicorn Club includes companies currently valued at over \$1B, and those that have successfully completed a \$1B+ exit. To learn more about the different types of unicorns, check out 'What is a unicorn?'.  
If you want to be ahead of the unicorn curve, check out this query of [potential future unicorns](#), or see [new unicorns created by year](#) in different geographies.

Filters: New unicorns in 2021, Verified unicorns & \$1B exits, Private unicorns, Unicorn finder, Still VC backed, Post private equity \$1B, Phoenix unicorn comeback, Bootstrapped to \$1B, Post IPO

transportation industry Europe HQ location verified unicorns and \$1b exits tags Type to filter results Clear all Advanced filters Save & export

Sub-Industry logistics & delivery search, buy & rent vehicle production mobility maintenance navigation & mapping autonomous & sensor tech

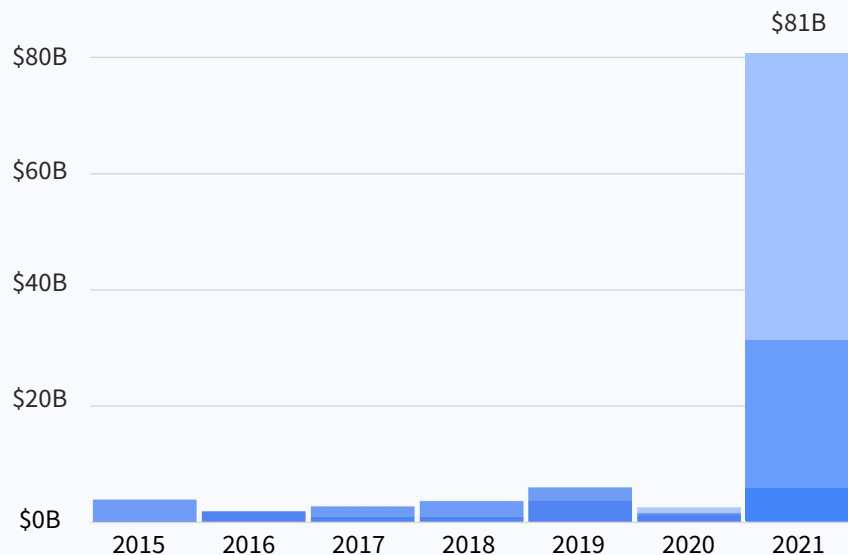
Showing 34 unicorns

NAME	MARKET	TYPE	GROWTH SIGNAL 12 months growth	LAUNCH DATE	IF	VALUATION	>	...
 <b>AUTO1 Group</b> ★ ★ Europe's leading digital automotiv...	B2C transportation search, buy & rent	marketplace & ecommerce	 2,375	2012		\$12.9b		
 <b>Northvolt</b> ★ ★ ★ Lithium-ion batteries manufacturer	B2B energy transportation clean energy energy storage	deep tech hardware selling own inventory manufacturing	 1,632	2016		\$11.8b		
 <b>Arrival</b> ★ ★ ★ Technology company making sma...	B2B transportation vehicle production	artificial intelligence deep tech manufacturing	 2,153	Mar 2015		\$8.2b		
 <b>Autostore</b> ★ Offering revolutionary cube-based...	B2B robotics transportation logistics & delivery	hardware deep tech subscription selling own inventory manufacturing	 339	1995		\$7.7b		
 <b>InPost</b> ★ ★ Using innovative technology to tra...	B2B, B2C transportation logistics & delivery	commission marketplace & ecommerce	 1,072	2006		\$7.1b		
 <b>Cazoo</b> ★ ★ Car buying and rental website	B2C transportation search, buy & rent	marketplace & ecommerce	 1,201	2018		\$7.0b		

# European mobility saw a massive \$81B of exit value in 2021, more than in the last 6 years combined. Mainly driven by SPACs and IPOs.

Combined valuation of mobility exits

■ Acquisition ■ IPO ■ SPAC



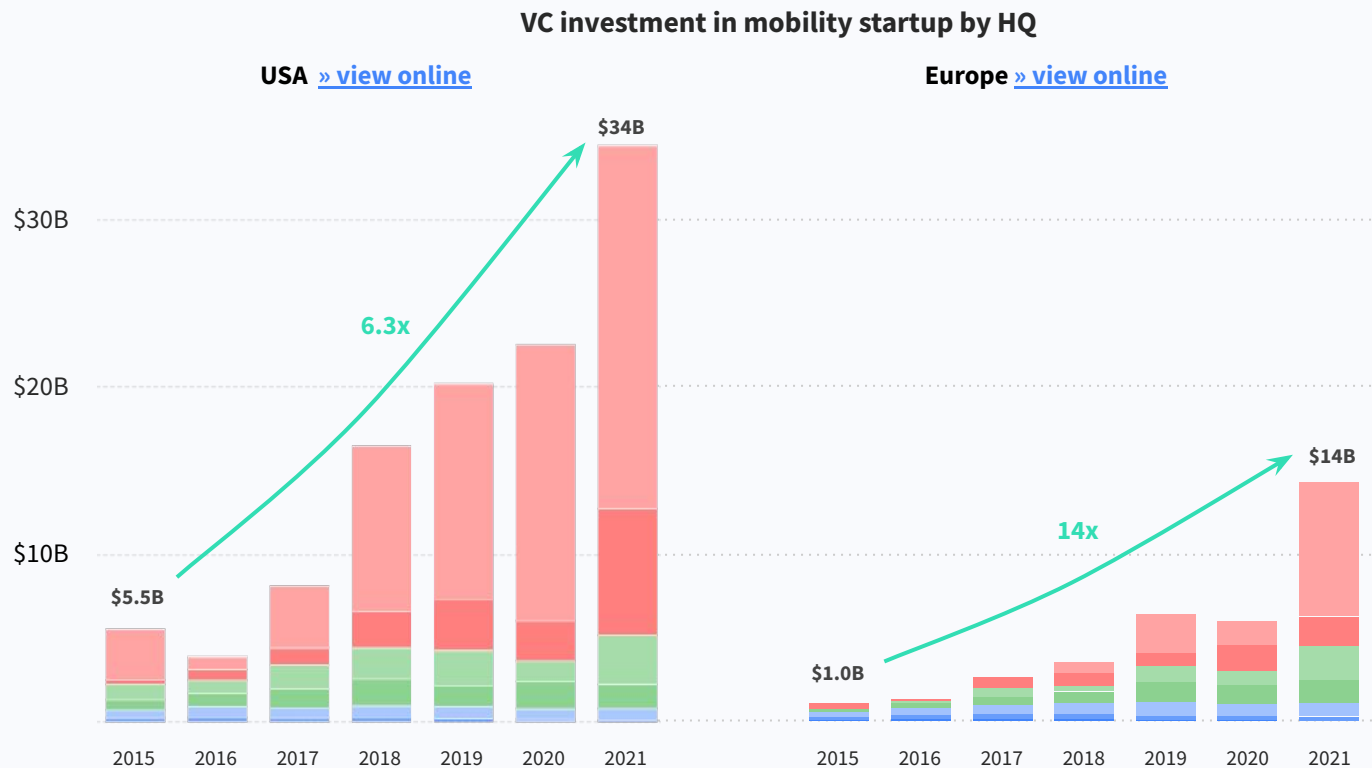
Biggest mobility exits in 2021: [» view online](#)

	NAME	BACKERS	MARKET	ENTERPRISE VALUE	TRANSACTION
	<b>Polestar</b> We are an electric performance ca...	SK Group Chongqing Chengxing Equity Investment Fund Partnership Zibo Financial Holding Zibo Hightech	transportation vehicle production	\$20.0b	\$800m SPAC IPO
	<b>AUTO1 Group</b> Europe's leading digital automotiv...	Cherry Ventures DN Capital Piton Capital DST Global Mutschler Ventures	transportation search, buy & rent	€11.7b	€1.8b IPO
	<b>Arrival</b> Technology company making sma...	ryuuhachi muhori Company Kia Motors BlackRock BNP Paribas Wellington Management	transportation vehicle production	\$13.0b	\$259m SPAC IPO
	<b>InPost</b> Using innovative technology to tra...	Integer.pl Group Advent International	transportation logistics & delivery	€8.0b	€2.8b IPO
	<b>Cazoo</b> Car buying and rental website	Entrée Capital Errol Damelin Octopus Ventures StrideVC Delin Ventures	transportation search, buy & rent	\$7.0b	\$805m SPAC IPO
	<b>Veeva</b> Designs, develops, manufactures ...	Autoliv Quinary	transportation semiconductors	\$4.5b	\$4.5b ACQUISITION
	<b>Lilium</b> Building radically better ways of m...	Technical University Munich (TUM) Freigest Capital Frank Thelen Atomico LGT Capital Partners	transportation autonomous & sensor tech vehicle production	\$3.3b	\$380m SPAC IPO

## 2

# Regional analysis

# European mobility startups continue to compete strongly internationally. Europe raised almost half of the US total in 2021 and grew much faster in the last years.

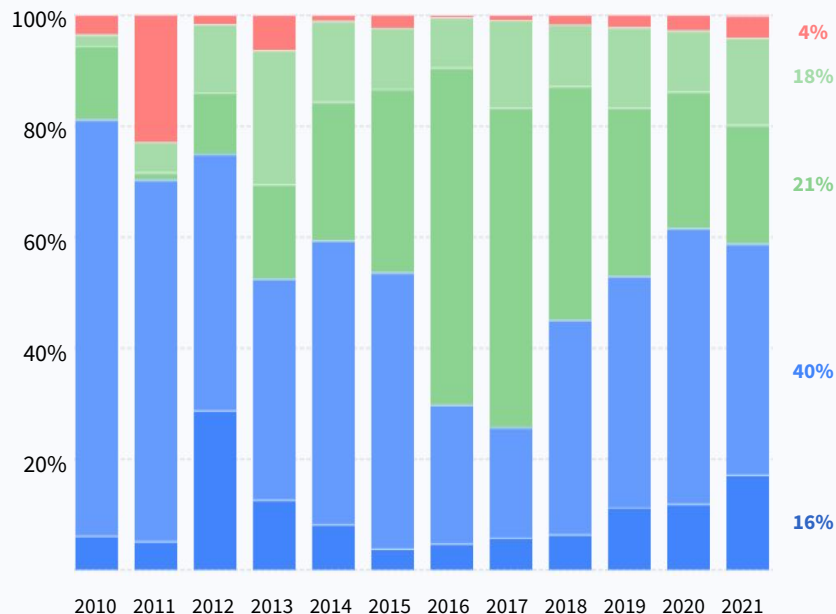




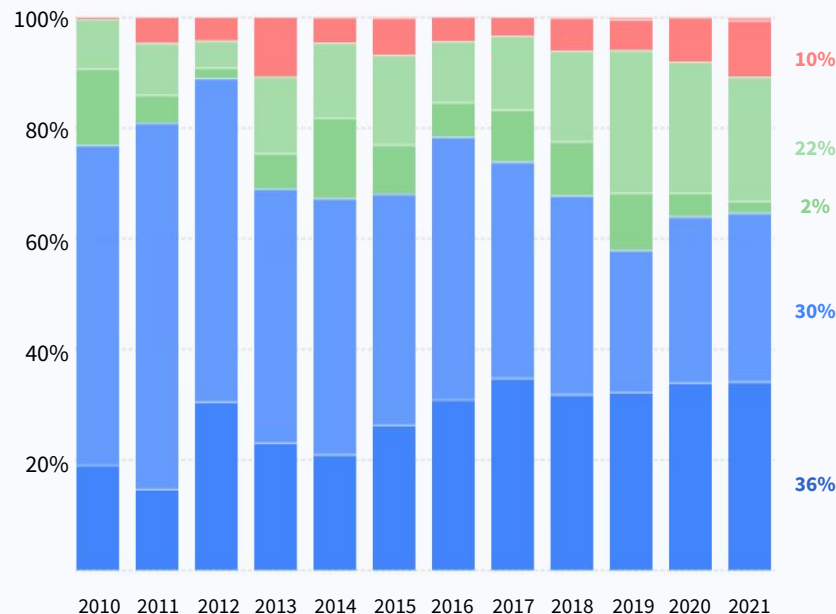
# European mobility startups attracted 16% of the global investments, its highest ever. At early stage this more than doubles to 36%.

VC investment in mobility by startup HQ, total

■ Europe ■ USA ■ China ■ Rest of Asia ■ Rest of the World



VC investment in mobility by startup HQ, rounds up to \$15M



# Germany has received the most investments since 2015, but has been surpassed by Sweden in 2021 thanks to NorthVolt. UK and France follow.

	VC funding in Mobility (2015-2021)	VC funding in Mobility (2021)	Ecosystem value	Number of startups in Mobility*	Number of unicorns
Germany	€7.1B	€2.5B	€45B	1K	8
Sweden	€5.9B	€3.6B	€41B	270	4
United Kingdom	€5.6B	€2.6B	€37B	1.2K	10
France	€2.6B	€900M	€14B	1.6K	1
Spain	€2.1B	€600M	€7.7B	588	3
Netherlands	€1.1B	€663M	€14B	692	2
Estonia	€1.1B	€630M	€4.1B	75	1
Switzerland	€473M	€69M	€3.7B	217	1
Italy	€260M	€103M	€1.8B	442	0
Norway	€225M	€87M	€10B	128	2
Rest of Europe	€2.0B	€465M	€29B	2K	2

# Stockholm, Berlin, London, Munich and Paris keep their spot as key hubs for mobility in Europe, followed by Barcelona, Madrid and Amsterdam.

	VC funding in Mobility (2015-2021)	VC funding in Mobility (2021)	Ecosystem value	Number of startups in Mobility*	Number of unicorns
Stockholm	€5.1B	€3.0B	€19B	75	3
Berlin	€3.6B	€909M	€20B	220	4
London	€2.7B	€920M	€26B	444	6
Munich	€2.5B	€1.3B	€17B	195	4
Paris	€1.7B	€605M	€7.1B	512	1
Barcelona	€1.3B	€526M	€4.3B	167	2
Madrid	€713M	€34M	€2.7B	138	1
Amsterdam	€507M	€258M	€10B	176	2
Helsinki	€185M	€47M	€3.9B	48	0
Milan	€145M	€67M	€809M	93	0

# Explore mobility funding by regions, countries and cities.

Mobility is one the biggest sector for European VC funding, attracting 13% of all the investments in 2021.

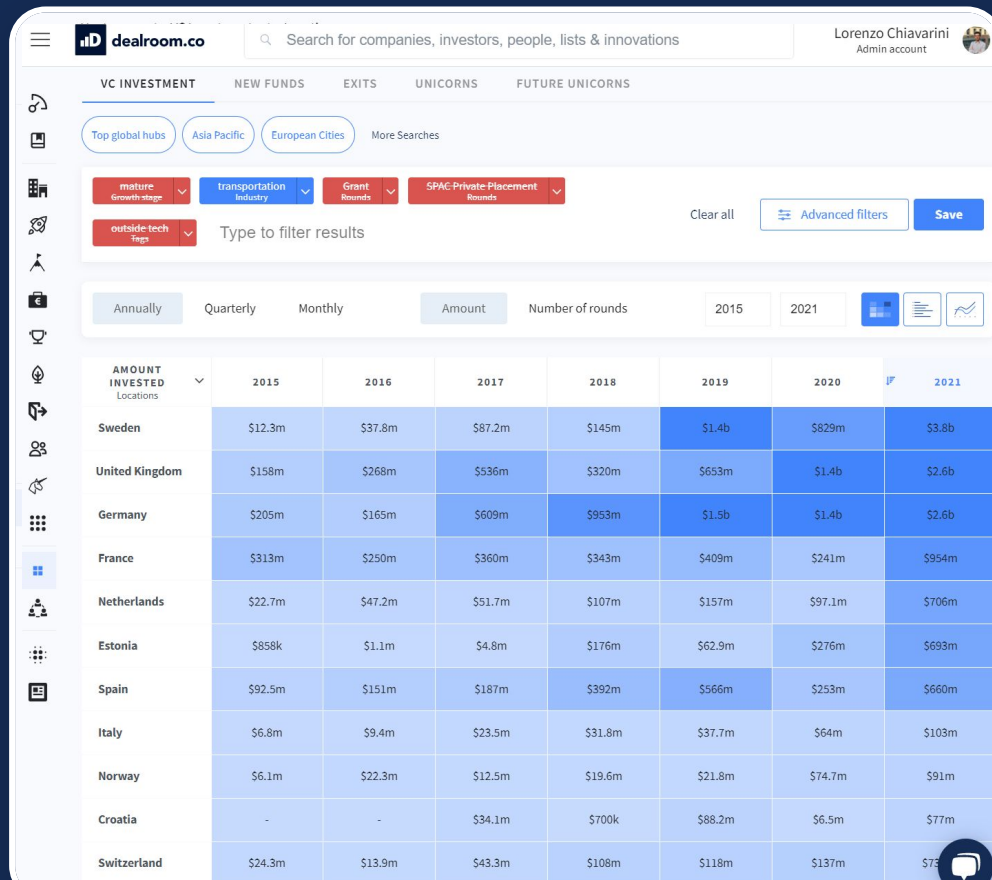
Competition among countries and cities to attract transportation talent and business in the field is increasing. Countries and cities also play a pivotal role in facilitating the transition towards more sustainable mobility from the EV revolution to micromobility in urban areas.

» Investment by regions

» Investment by countries

» Investment by cities

» More ...



The screenshot shows the DealRoom.co website interface. At the top, there's a search bar and a user profile for Lorenzo Chiavarini. Below the navigation bar, there are filters for 'VC INVESTMENT', 'NEW FUNDS', 'EXITS', 'UNICORNS', and 'FUTURE UNICORNS'. There are also buttons for 'Top global hubs', 'Asia Pacific', and 'European Cities'. A sidebar on the left contains various icons for navigation. The main content area displays a table of investment data by country, with columns for the years 2015 through 2021. The table is filtered for 'mature growth stage', 'transportation industry', and 'grant rounds'. The data shows a general upward trend in investment across most countries, with Sweden and the United Kingdom showing significant growth.

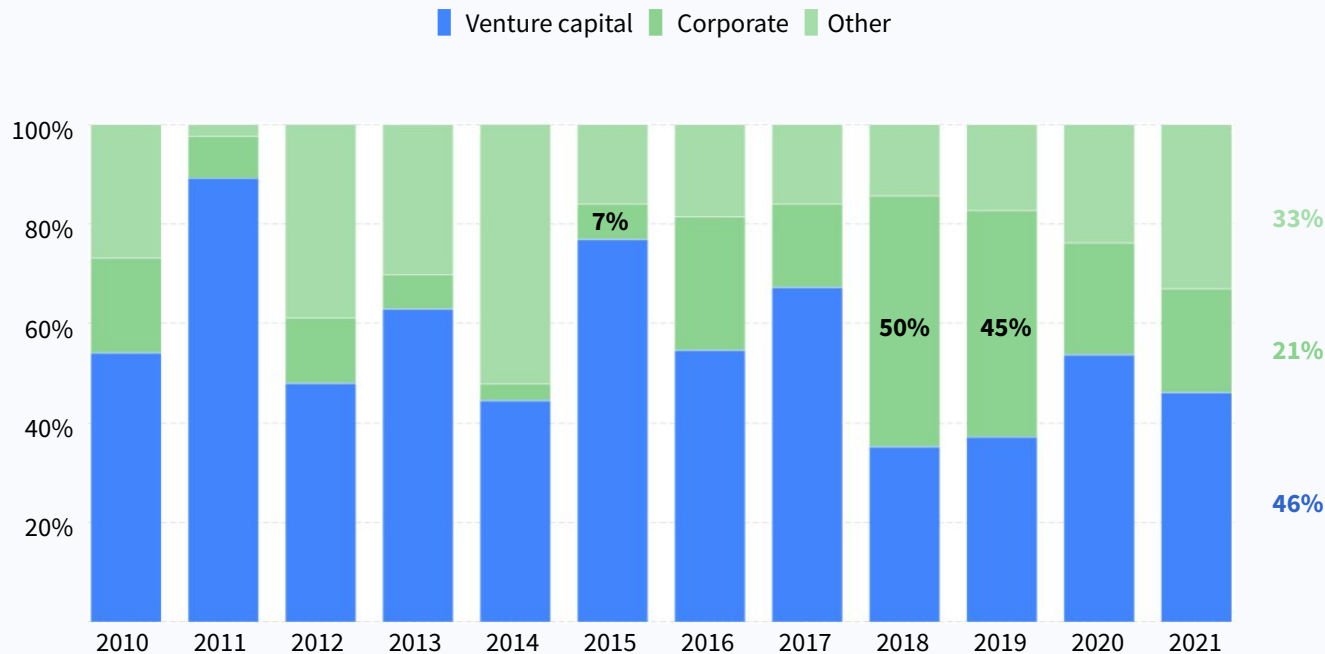
AMOUNT INVESTED Locations	2015	2016	2017	2018	2019	2020	2021
Sweden	\$12.3m	\$37.8m	\$87.2m	\$145m	\$1.4b	\$829m	\$3.8b
United Kingdom	\$158m	\$268m	\$536m	\$320m	\$653m	\$1.4b	\$2.6b
Germany	\$205m	\$165m	\$609m	\$953m	\$1.5b	\$1.4b	\$2.6b
France	\$313m	\$250m	\$360m	\$343m	\$409m	\$241m	\$954m
Netherlands	\$22.7m	\$47.2m	\$51.7m	\$107m	\$157m	\$97.1m	\$706m
Estonia	\$858k	\$1.1m	\$4.8m	\$176m	\$62.9m	\$276m	\$693m
Spain	\$92.5m	\$151m	\$187m	\$392m	\$566m	\$253m	\$660m
Italy	\$6.8m	\$9.4m	\$23.5m	\$31.8m	\$37.7m	\$64m	\$103m
Norway	\$6.1m	\$22.3m	\$12.5m	\$19.6m	\$21.8m	\$74.7m	\$91m
Croatia	-	-	\$34.1m	\$700k	\$88.2m	\$6.5m	\$77m
Switzerland	\$24.3m	\$13.9m	\$43.3m	\$108m	\$118m	\$137m	\$73m

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## **Corporate activity**

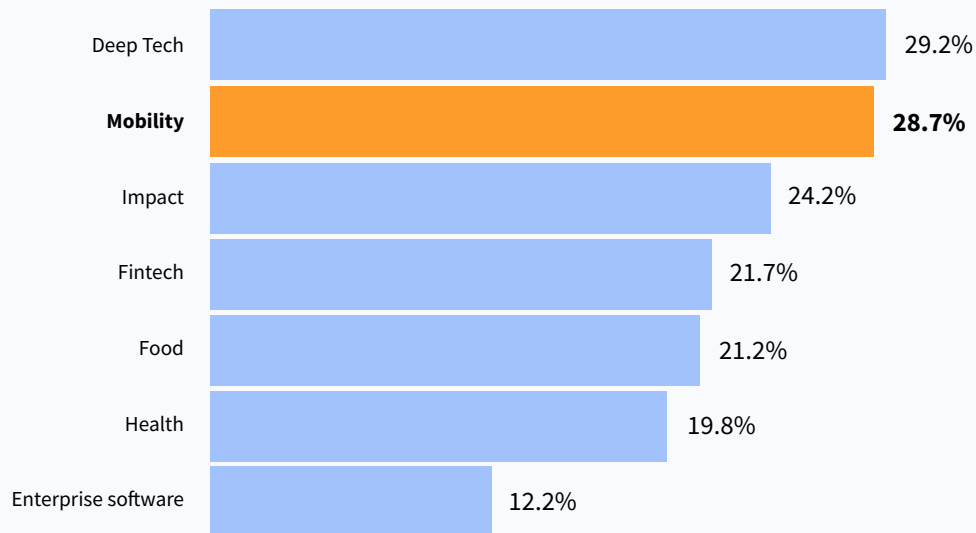
**Corporates account for more than 20% of the funding in 2021, from just 7% in 2015. But a significant decrease compared to 2018 (50%) and 2019 (45%).**

VC investment in mobility startups by investor type [» view online](#)



# Mobility is among the sectors where corporate investments are more present.

## % capital investment (2015-2021) from corporates



## Why are corporates investing so much in mobility startups?

Mobility companies, such as auto OEMs, and energy companies have strong capital resources and deep sector expertise. Investing is a way to establish partnerships, have an edge on disruption of the industry and achieve strong financial returns. Some investments are more financially driven and focus on market perspective and potential returns, others have a strong strategic mandate regarding synergies on supply chain and industrial asset utilization.

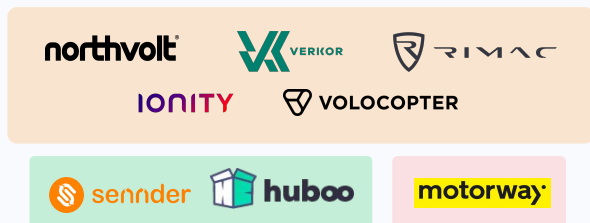
In contrast, Enterprise software refers to tools improving productivity and processes in a wide range of industries. This means the strategic dimension of the investment and the value of sector expertise is strongly diminished.

# Mobility OEMs and suppliers and Energy companies are investing mainly in EV, while tech and financial sector have more spread bets.

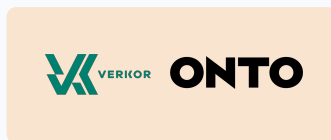
## Selected mobility corporate investors and their biggest 2021 investments

EV Logistics and Delivery Other

### Mobility corporates

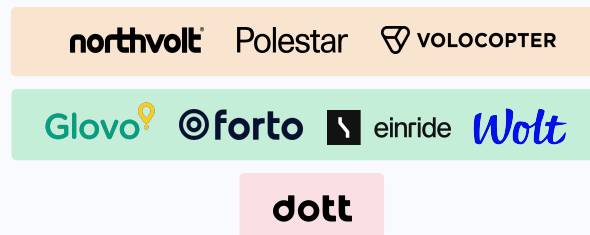


### Energy and Oil & Gas



### Others

(Tech, semiconductor, financial sector etc)





# Volkswagen and Scania invest in Northvolt to secure batteries supply for their EV ambitions.

[According to TechCrunch](#), the company concluded several deals with OEMs, including Volkswagen (a \$14B contract), BMW (a \$2.3B contract), and Scania. The company operates a gigafactory in Sweden and plans to build 2 other gigafactories (one will be in Germany).

Northvolt's key differentiation is about manufacturing batteries using renewable energy, recycling batteries in-house and reuse of the raw materials during the process.

[Volkswagen has a 20% stake in Northvolt](#). In 2019, joint-venture to build a factory. Volkswagen's ambition is to meet the growing demand in the EV market (the OEM plans to launch +70 new EV models).

[Scania backs Northolt since 2018](#) and is looking at securing batteries for heavy vehicles. The Swedish OEM realises there is a limited supply of batteries, thus looking at a strategic partner to fulfill its ambition in the heavy electric vehicles segment. Back in 2018, [Scania deployed an expert R&D team in Northvolt Labs](#).

## northvolt®

Country: **Sweden**

Sector: **EV Battery manufacturing**

CVC investors: **Goldman Sachs, Scania, Volkswagen**

Last funding: **\$2.75B (June 2021)**.

Total funding: **\$6.1B (equity and debt)**

In 2017, Northvolt announced a bold and simple plan: to enable the future of energy by developing the world's greenest battery cell and establishing a European supply of batteries. The mission of the company is to build the greenest battery in the world with a minimal carbon footprint and the highest ambitions for recycling to enable the European transition to renewable energy.



» Northvolt profile



**Vincent Cabanel**  
Business Intelligence  
at VialD

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“**CVC investments in mobility reached an all-time high in Europe, with \$10Bn invested in 2021.**

At Via ID, we are at the forefront of the shift towards a greener mobility. **CVC investments in mobility reached an all-time high in Europe, with \$10Bn invested in 2021.** Corporates are strongly involved in the shift towards sustainable mobility, with EV and AutoTech (especially used cars) sectors attracting the most fundings. It confirms our investment strategy.

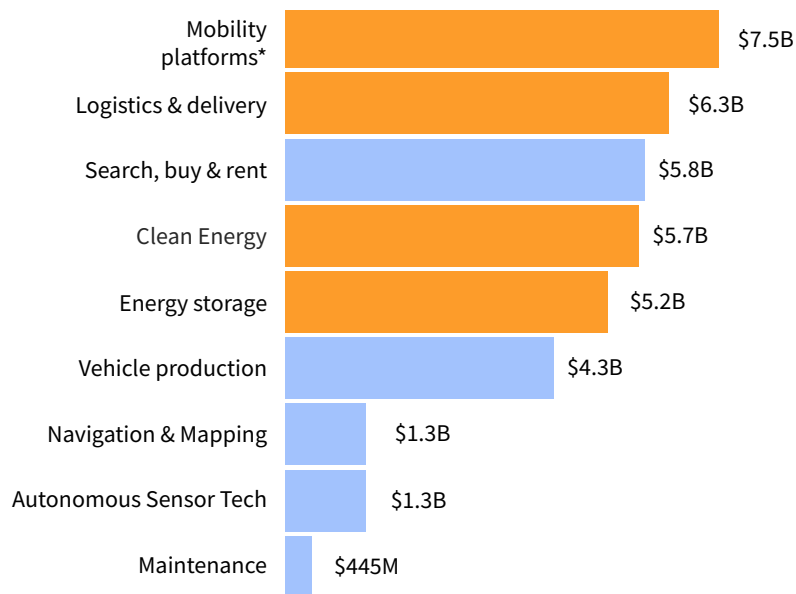
Another strategic sector is micromobility. 2021 was definitely the e-bike boom in Europe, and I'm looking forward to see how the market will evolve next year, especially about the after-sales and second-hands!

# 4

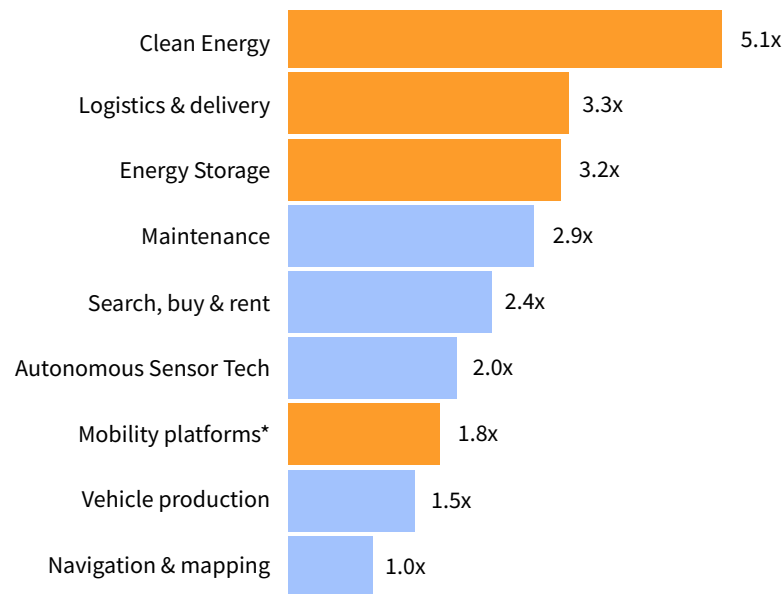
## Sectors

# Electric mobility (clean energy and energy storage), Mobility platforms and Logistics & delivery have attracted the most funding and are the fastest growing sub industries.

**Total VC funding in European mobility  
by sub industry (2015-2021)**

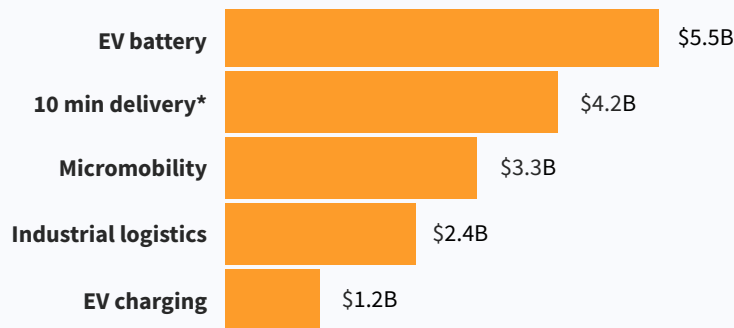


**VC funding growth in European mobility  
by sub industry (2021 vs 2020)**

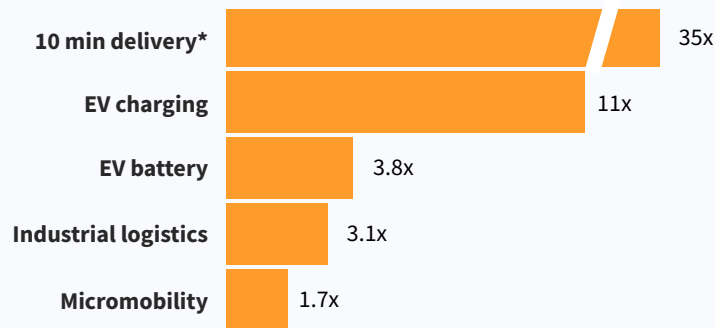


# Micromobility, 10-min delivery and the EV charging and battery space are among the fastest growing trends in European mobility.

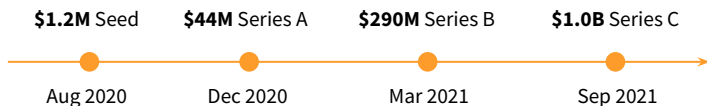
**Total VC funding in European mobility  
by selected trends (2015-2021)**



**VC funding growth in European mobility  
by selected trends (2021 vs 2020)**



Founded in: **March 2020**  
Total funding raised: **\$1.3B**



Founded in: **2015**  
Funding raised: **\$67M + \$150M** in SPAC private placement



# The macroeconomic environment increased the shift towards greener modes of mobility, both for consumers and professionals.

“We started VelyVelo convinced that bikes are probably the best vehicle to deliver packages in grounded cities. We provide comprehensive solutions to power the revolution in food delivery, 10min-delivery and the e-commerce market.”



**Asmaa Chakir Alaoui**  
CEO at Velyvelo



**Dieu Ly Tran**  
Consumer research at  
Lufthansa innovation hub



**Lufthansa  
Innovation Hub**



“We saw people change their habits with the pandemic. In last mile mobility we witnessed a shift towards micromobility and the operators are improving monetization with new payment and subscription models.”

# Micromobility is an opportunity to substitute car ownership for short distance trips.

## Why is micromobility important for Europe

In UK trips shorter than 3 miles makes 67% of all trips.  
In Germany 59%.\*

Change of habits from the pandemic, increased environmental awareness and collaboration with the cities are unlocking the micromobility opportunity in Europe.



### Short Distance

Bike and Scooters (0–7.5 km)



TIER

GO  
sharing

voi.

dott

WIND

DONKEY  
REPUBLIC

### Medium Distance

Ride Hailing and Sharing  
(7.5–20 km)



cabify

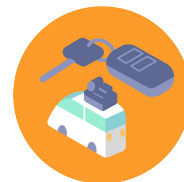
BlaBlaCar

Yandex Taxi

HEETCH

### Long Distance

Car-Sharing (20+ km)



SHARENOW  
DriveNow

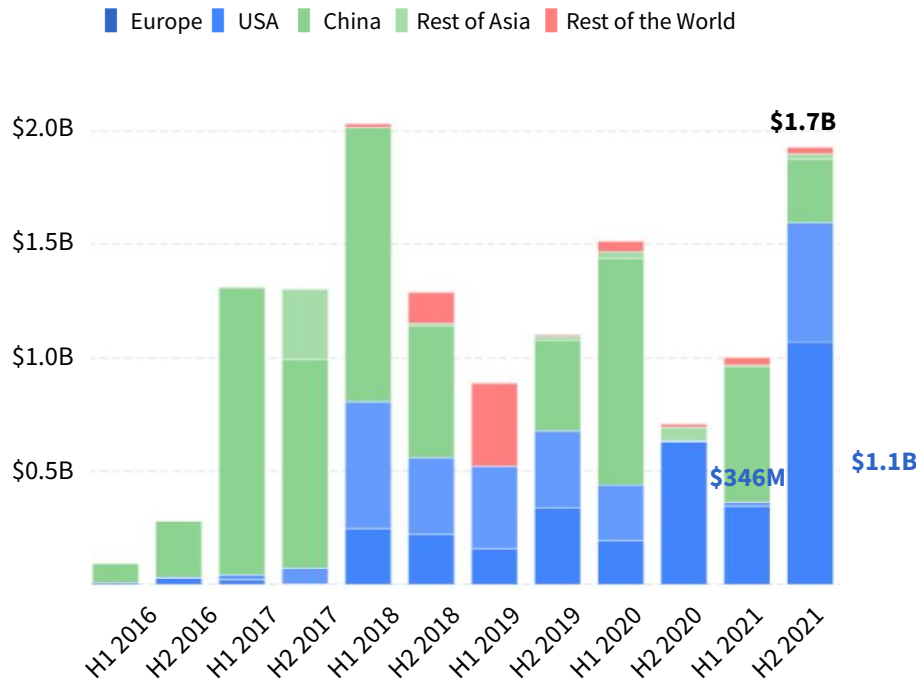
citeecar

GoMore

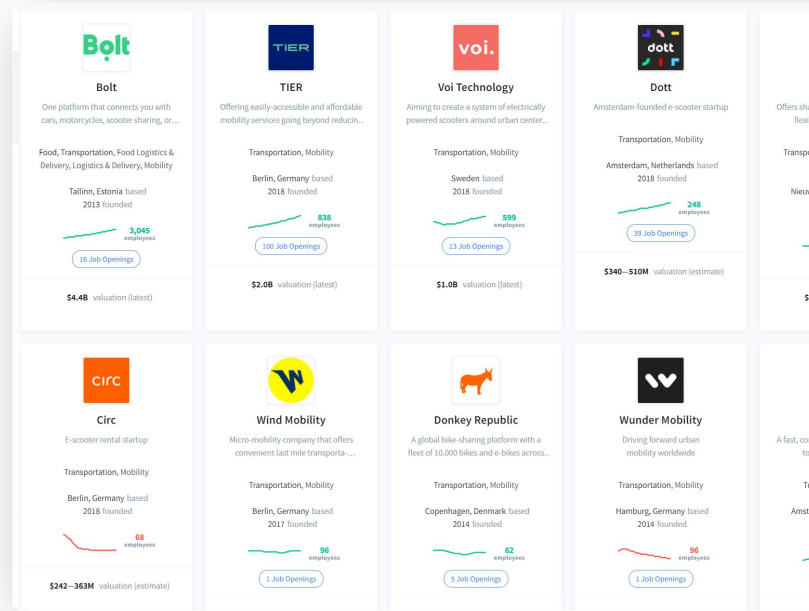
Toosla  
Location de voitures

# Europe is now leading the way for micromobility innovation with over \$1.4B of investments in 2021, as much as US and China combined.

Global VC investment in micromobility operators by year



Most valuable European micromobility operators: [» view online](#)





# Micromobility is maturing and consolidating. Leading operators are increasing their M&A activity.

## Micromobility operators consolidation

Micromobility is now a maturing sector going under consolidation.

In the past, we used to see a fierce war for market share with several operators in each city battling for user onboarding.

Now, players are expanding more carefully with tenders.

Several micromobility operators are now going public such as Donkey republic, Helbiz, Bird, Gogoro. Others will join soon such as Lime next year.

M&A is also increasing with the biggest operators acquiring smaller players to expand geographically or launch new services.

## Selected micromobility operators acquisitions

TIER

Dec 2021



**WIND**

Italian operations

Tier acquired the Italian operations of Wind mobility to enter this new market.

TIER

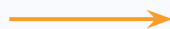
Nov 2021



Tier acquired German bike-sharing platform to accelerate its expansion to e-bikes.

TIER

Feb 2020

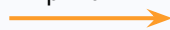


**COUP**

Tier acquired the e-mopeds and charging infrastructure of failed Berlin-based Coup to launch its own service in the city.

**HELBIZ**

Apr 2021

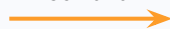


**mimoto**  
electric scooter sharing

Helbiz acquired Italian e-moped sharing platform Mimoto to add e-mopeds to its offering of e-scooters and e-bikes.

**HELBIZ**

Dec 2020



**skip**

Helbiz acquired Skip operations in Washington, DC to bolster its US expansion.

# Micromobility operators are still unprofitable, but investors keep believing in their long term potential.

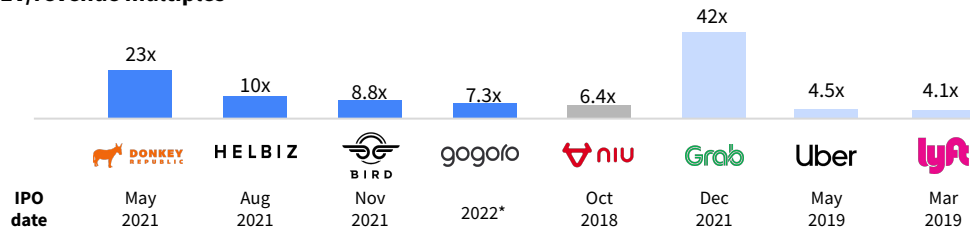
2021 saw, for the first time, micromobility operators go public.

Micromobility operators have a valuation premium (7.3-23x vs 4-5x) in respect to ride-hailing operators. Grab is an exception due to its superapp ambitions. Micromobility operators such as Donkey and Helbiz command the higher premium, despite having the worse EBITDA margin (highly negative).

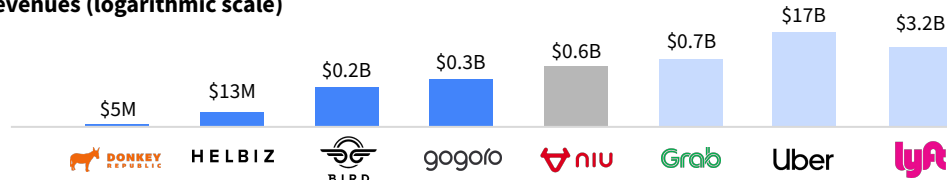
Bird claims to be on its way to profitability thanks to its recent change from full-stack micromobility operator to technology provider. Gogoro's hybrid model has been EBITDA positive since 2019, also Niu (e-bike seller).

It is still a long way for micromobility operators to get to a scale comparable to ride-hailing giants. The hope is for margins to improve with scale without accumulating too wide losses.

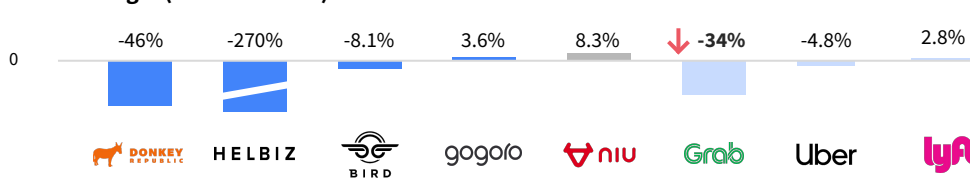
EV/revenue multiples



Revenues (logarithmic scale)

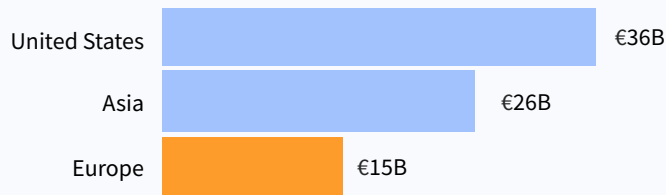


EBITDA margin (% of revenues)

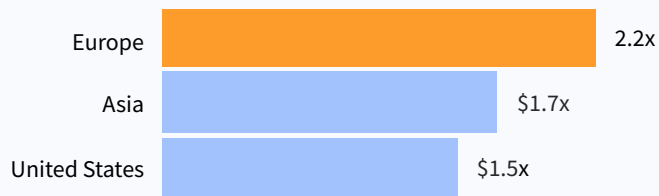


# Europe is still behind on Electric mobility investments but it is growing the fastest. Europe is also leading in electric vehicle adoption, especially the Nordics.

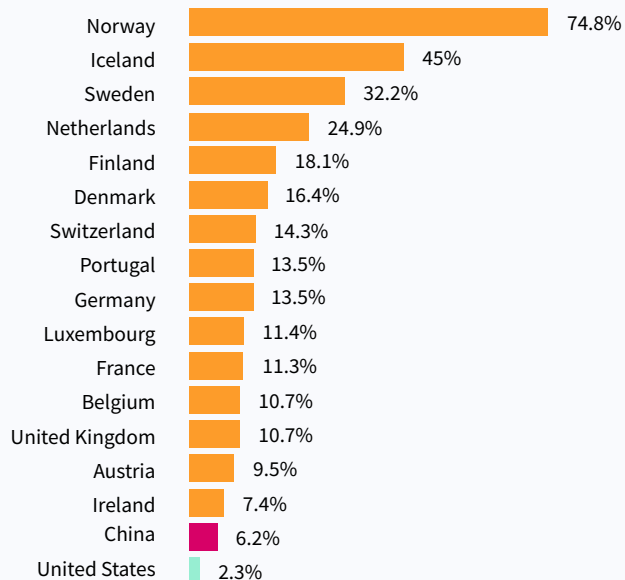
**Total VC funding in Electric Mobility (2016-2021)**



**VC funding growth in Electric Mobility  
(2021 vs 2020)**

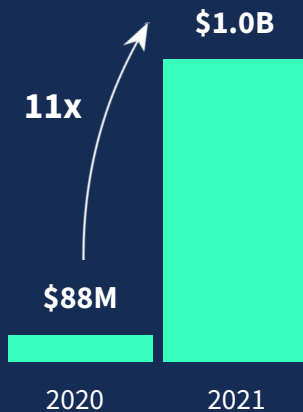


**Share of plug-in electric vehicles in  
new passenger car sales (2020)**

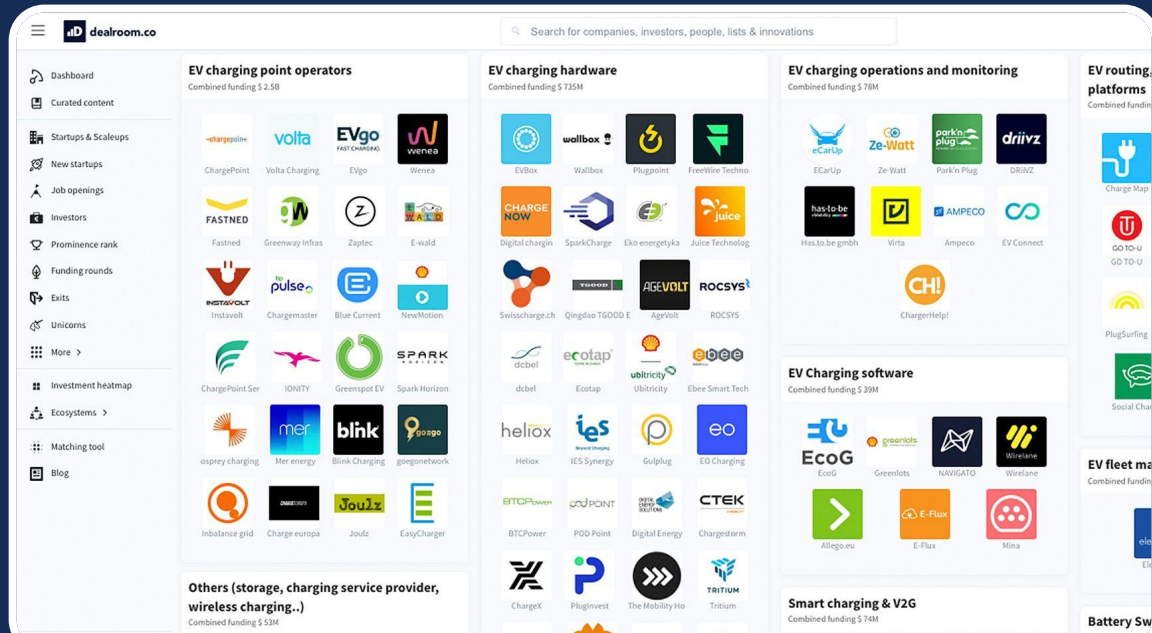


# Investment into the EV charging infrastructure is up 11x from last year, to \$1B.

European VC funding  
into EV charging

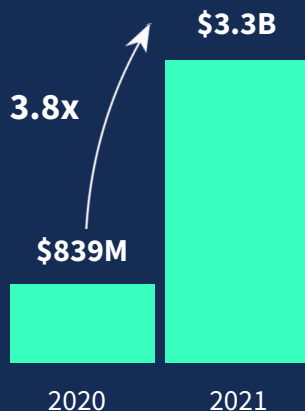


» Explore 100+ **EV Charging startups**  
across 9 categories [here](#)



# Investment into the EV battery value chain is up 3.8x from last year, to \$3.3B.

European VC funding  
into EV battery



» Explore 140+ EV Battery startups  
across 15 categories [here](#)

The screenshot shows the dealroom.co website interface. The top navigation bar includes a search bar and a list of categories. The main content area is divided into several sections, each representing a different category of EV battery technology or application. Each section displays a grid of startup logos and names, along with their combined funding amounts.

- Lithium-ion batteries** (Combined funding: \$ 3.6B)
  - Startups: Sila Nanotech, StoreDot, Forsee Power, Echion Technology, LeydenZar Techn, Batttrion AG, Hyperdrive Innov, Group14 Technol, wattalps, E-mag, Amplicus, COnovate, NANO, Flarion Energy, ADVANO, niole, NanoGraf Corpor, Envia Energy, ADVANO, Newson, Envia Systems, Imvinox, ECPower, A123 SYSTEMS, Ion Storage Sys, ENEVATE, Nanotamic Labor, Farasis Energy, Microvast, ENOVX, Nohms Technology, Lithium Works, Conamix.
- Battery production tech & manufacturing** (Combined funding: \$ 8.3B)
  - Startups: FREYR, InoBat, Northvolt, ITALVOLT, FREYR, InoBat Auto, Northvolt, Italvolt, BV, ACCELERON, ALKALIS, CATL, VERCOR, easyLi, Envision AESC, Romeo Power, KieraCell, Millor energy, Boston Power, Automotive cell, SVOLT, BYD Company, CLARIOS.
- Battery Swapping** (Combined funding: \$ 252M)
  - Startups: Open Motors, Powerswap, Tanktwo, eChargeup, RACEnergy, Arup.
- Providers of services for battery design** (Combined funding: \$ 24M)
  - Startups: ilika, AVILOO, Wildcat Discover, Gnanomat, Abulera Energy.
- Battery recycling and second life** (Combined funding: \$ 1.1B)
  - Startups: Connected Energy, Repurpose Energy, Redwood Matera, Duesenfeld.
- Other battery chemistries & supercapacitors** (Combined funding: \$ 729M)
  - Startups: Zappo, SKELETON, Oxis Energy, NAWA Technologies.
- Hydrogen** (Combined funding: \$ 252M)
  - Startups: Loop Energy, Horizon Fuel, PALMISTO, Pajarito Power.
- Cloud-based monitoring** (Combined funding: \$ 252M)
  - Startups: TWICE.
- Range ext** (Combined funding: \$ 252M)
  - Startups: EP.

# Explore the key themes driving Mobility.

» Micromobility

» Global mobility landscape

» EV Charging

» EV Batteries

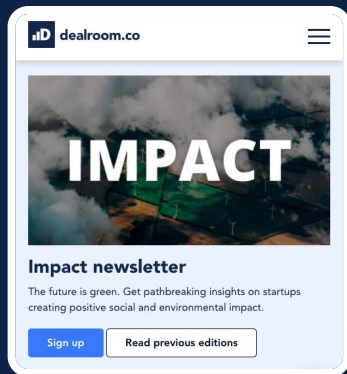
» Car and motor insurance



The screenshot displays the dealroom.co website interface. At the top, there is a search bar with the text "Search for companies, investors, people, lists & innovations" and a user profile for "Lorenzo Chiavarini Admin account". The main content area is divided into several sections, each representing a different mobility theme:

- Ride hailing**: Combined funding \$ 61.1B. This section includes logos for Gett (GetTaxi), Ola, Picap, Uber, Free Now, Heetch, Shebah, SAFR, Careem, Snapp, Yongche, Banma Kuaipao, Didi Chuxing, Mikmik, Lyft, Cabify, Grab, Gojek, Bolt, 99, and Beat.
- Car sharing / renting (own fleet)**: Combined funding \$ 256M. This section includes logos for Share NOW (form), CityBee, Drivezy (former), Stapp.in, Amber, Zipcar, Green Wheels, Carlil, Turbi, Fetch Car Shari, Toosla, and Gocar.
- Scooter sharing**: Combined funding \$ 5.1B. This section includes logos for RIDE Scooters, Niu, Eonduce, Scooterino, KNOT, Scooty, Scoo, Gbike, Troty, Voi Technology, Beam, Bykea, Yugo, Bounce, Cooltra, Dott, GOMEEP, STEP Mobility, Yulu, Riba share, LEO Israel, Mimoto, Electric Molo, Zypp, Wind Mobility, Emmy (eMio), ONN Bikes, Grin, TIER, and Lime.
- Autonomous vehicles**: Combined funding \$ 25.5B. This section includes logos for Five AI, Navya, Alimotive, EasyMile, TuSimple, Enway, Waymo, Embark Trucks, Zoox, NIO, Pronto.ai, Cruise, Pony.ai, Nuro, Aurora, Momena.ai, Plus, Nauto, May Mobility, Drive.ai, Aptiv, Lvl5, Starsky Robotic, Mobileye, ARGO AI, nuTonomy, and Motional.
- Sensors**: This section is partially visible at the bottom of the screen.

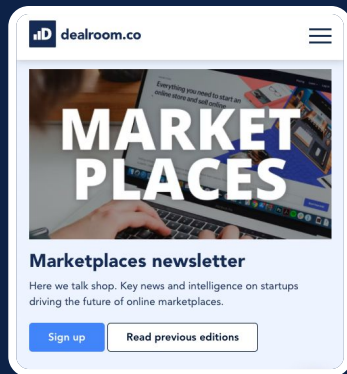
# Get the latest mobility insights.



## Impact newsletter

Covering sustainable and electric mobility

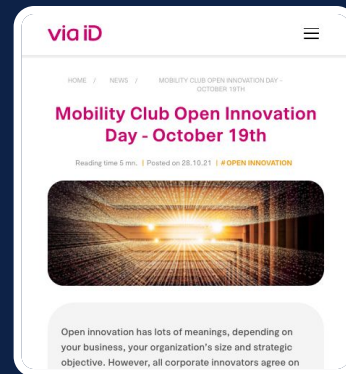
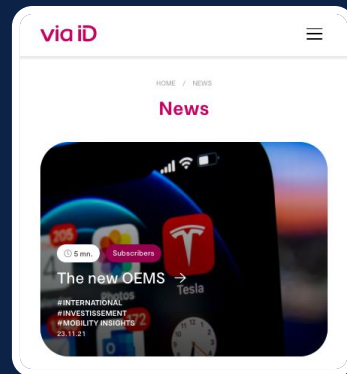
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## Marketplace newsletter

Covering micromobility and logistic & delivery

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Monthly access to exclusive content: sectoral and thematic analysis, mappings, interviews, debriefs following key tech & mobility events, insights from our international offices.

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# Venture capital methodology and definitions.

## Startups, scaleups, grownups and tech

Companies designed to grow fast. Generally, such companies are VC-investable businesses. Sometimes they can become very big (e.g. \$1B+ valuation).

This report focuses, unless specified, on companies in the information age, i.e. after 1990. When startups are successful, they develop into scaleups (>50 people), grownups (>500 people) and result in big companies, like NorthVolt or Arrival.

A unicorn is defined as a rapidly scaling company (and tech enabled) that has reached a \$1 billion valuation, on the basis of a funding round (unrealised), acquisition or IPO (realised).

## Venture capital investment

Investment numbers refer to rounds such as Seed, Series A, B, C, .... late stage, and growth equity rounds.

Venture capital investment figures exclude debt or other non-equity funding, lending capital, grants and ICOs.

Buyouts, M&A, secondary rounds, and IPOs are treated as exits: excluded from funding data.

Investment rounds are sourced from public disclosures including press releases, news, filings and verified user-submitted information.

## Taxonomy

This report focuses on the Mobility industry. This industry is referred as “Transportation” in the Dealroom taxonomy.

The transportation industry is divided into the following sub-industries: Mobility, Search, Buy & Rent, Maintenance, Navigation & Mapping, Autonomous & Sensor Tech, Vehicle Production, Logistics & Delivery. A precise definition can be found [here](#).

Sub topics like micromobility and EV battery are represented by tags in the platform. This can be under one single industry/sub industry or across multiple of them.





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