

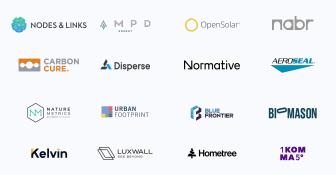
## **Urban Tech** 2023



## 2150

### **Urban Tech Sustainability Fund**

2150 is a venture capital firm investing in technology companies that seek to sustainably reimagine and reshape the urban environment and enable a sustainable and scalable future of mass urbanisation. 2150's investment thesis focuses on major unsolved problems across what it calls the 'Urban Stack', which comprises every element of the built environment, from the way our cities are designed, constructed and powered, to the way people live, work, move, and are cared for. See more at 2150.vc

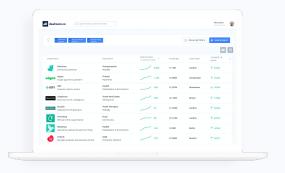




## Global startup & venture capital intelligence platform.

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.



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## **Key trends**



### **Total Urban Tech VC funding**

Urban Tech startup funding has already reached \$26.6B and surpassed 2020 levels but this still represents a 39% drop from 2022.

This decline is largely attributable to a sharp drop in late-stage rounds, on the other hand early and breakout stages are showing more resilience.

Green buildings startups are buckling the trend with \$5.3B raised in 2023, on track for their best year ever and marking a threefold increase from 2020.



#### The Urban Capital Stack

With the climate tech sector maturing towards more large scale deployments and a more challenging funding environment, the capital stack for urban tech goes beyond venture capital to embrace more debt, private equity and project infrastructure financing.

**Climate Tech funds** are also slowing their fundraise. \$13B are projected to be raised in 2023, a **64% decline** compared to last year.

Urban Tech startups are also raising massive amounts of non-dilutive capital, especially debt. Nearly \$17B have been raised by urban tech startups, near all-time-high and a threefold increase from 2020.



#### Investment trends

#### Enable:

SaaS x construction startups have suffered a whooping 68% decline in VC funding despite the construction industry productivity challenges.

#### **Build:**

Sustainable building construction startups on the other hand have raised a record \$2.5B this year, driven by sustainable cement and green steel.

#### Operate:

**Building operation decarbonization** startups on track for their best year with \$2.6 already raised, led by residential solar and building energy management.

#### Experience:

Driven by real world events, startups aiming to prevent and combat wildfires have raised over \$100M VC funding, on par with 2021 records.

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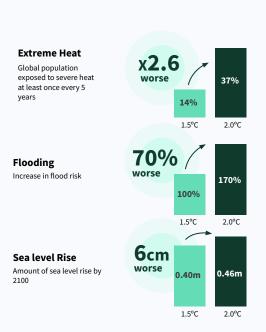
## **1** Introduction

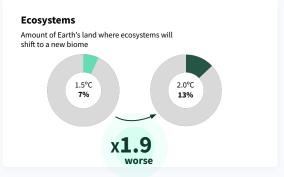
Climate risk is accelerating and cities will play a key role in ensuring we can hit sustainability targets.

From the buildings we inhabit, to the cars we drive, every urban element can be meaningfully addressed to advance the climate transition.

Urban technologies can support us rethinking and renovating our ways of building and living in cities.

## There's a huge difference in suffered impacts between 1.5°C & 2.0°C.







The probability of surpassing the 1.5°C warming limit set by the Paris Agreement is high given the current emissions trajectory and warming already exceeding +1.1°C. Mitigating further temperature rise must be our primary focus, as every 0.1°C increment carries major climate consequences. These include escalating extreme heat, rising seas, biodiversity losses, declining crops and fisheries, and heightened threats to food security.

Simultaneously, we must accelerate adaptation efforts to prepare for and manage the unavoidable impacts of a warmer world. UNFCCC's Synthesis Report of the Nationally **Determined Contributions under the Paris** Agreement<sup>1</sup> projects peak warming could reach 2.1-2.8°C before 2100.

This underscores the urgent need for bold, transformative climate action across all fronts.

https://www.forbes.com/sites/mitsubishiheavyindustries/2022/01/26/the-stark-difference-between-global-warming-of-15c-and-20c/?sh=2b773a12a487

### What is Urban Tech?

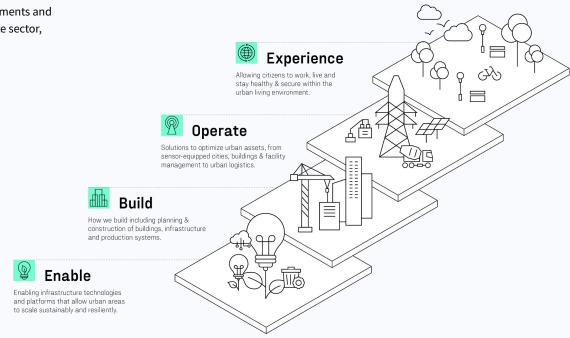
Urban tech is a technology that **improves broad urban environments to make them more sustainable, resilient and efficient.** Although governments and regulation may be involved, urban tech primarily targets the private sector, selling to businesses and consumers directly.

### Why Urban Tech?

Urbanization is accelerating, and fast. By 2050 it is expected that 68% of the global population will live in cities, up from 55% today. We are not prepared for the additional strain on our infrastructure, natural resources, and housing.

Cities consume 3/4 of the world's final energy<sup>2</sup> and produce ~70% of GHG emissions.<sup>3</sup> Urban Tech solutions can play a major role in reducing emissions on an accelerated timeline, which is key to managing current growth.

Building effective cities requires inclusive, healthy, resilient and sustainable solutions. Urban tech startups are building solutions that are reducing emissions and preserving resources TODAY.



<sup>1)</sup> https://www.un.org/development/desa/publications/2018-revision-of-world-urbanization-prospects.html

Policies worldwide are accelerating the transition to more sustainable cities with focus on building energy efficiency, heating and cooling. Embodied carbon is also starting to appear in some legislations.

### EU

Energy Performance of Buildings Directive (EPBD) and Energy Efficiency Directive (EED) (2023)<sup>1</sup>

Considering that ½ of total greenhouse gas emissions in Europe can be attributed to the building sector, the EU has recently installed new measures aimed to decarbonize existing buildings, such as:

- Zero emissions buildings (ZEBS)
   All buildings will have to receive a label
   D by 2033 and A by 2050.
- Low carbon district heating By 2040 fossil fuel heating should be obsolete and replaced by mandatory solar installations.

In fact a target of 50% renewable and waste heat has been set for 2035 for all district heating networks.

### US

One year after IRA2

One year since passing, the **Inflation Reduction Act** (**IRA**) is visibly accelerating clean energy investment, deployment, and emissions reductions.

The IRA helped drive record growth in renewable energy, with over \$270 billion in capital investments according to American Clean Power Association. For the first time in the US, wind and solar supplied more electricity than coal.

EV sales jumped 66% in early 2023 thanks to IRA tax credits lowering costs by up to \$7,500 per vehicle. EV supply chain investments topped \$50 billion, expected to reduce production costs further.

The IRA allocates \$400 billion in climate incentives over the coming decade, **estimated to catalyze \$2.9 trillion in renewable energy investments by 2050**. It provides a case study of how smart policy design can leverage private capital and accelerate climate solutions.

### Denmark

Net-Zero Buildings (2023)<sup>3</sup>

Starting this year a maximum value of greenhouse gas emissions for new buildings was put in place on a national scale by the Danish Ministry of Interior and Housing. This initiative made Denmark the first country to introduce embodied carbon limits into building regulations.

The entire life cycle of the building is concerned as the regulation aims to minimise energy and resources consumption, include recycling measures, all the while taking into account social and financial values.

<sup>1)</sup>https://www.linkedin.com/posts/planet-a-planet-a-policy-navigator-activity-7113125993388601344-6xrc2utm\_source=sh are&utm\_medium=member\_android

<sup>2)</sup> https://www.carbon-direct.com/insights/the-impact-of-the-inflation-reduction-act-one-vear-later

<sup>3)</sup> https://www.burohappold.com/news/how-denmark-leads-the-wav-in-decarbonising-the-construction-industry/

# This is the 3<sup>rd</sup> Urban Tech report by 2150 x Dealroom

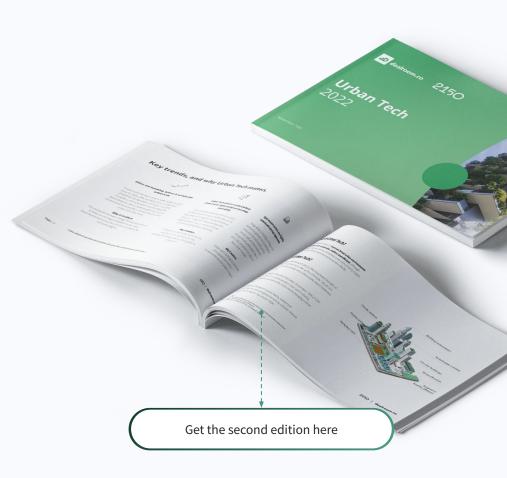
One year ago, 2150 and Dealroom launched <u>the second edition of the Urban</u> <u>Tech report</u>. We highlighted that the battle for climate change will be won or lost depending on how well we innovate within our cities and urban environments.

In the past two editions, we had highlighted how Urban Tech funding had grown in recent years, mainly driven by mobility and clean energy, while the building sectors kept remaining underfunded.

This has finally changed with green building startups attracting 3x more funding than 3 years ago, amid a broader market downturn strongly notable especially in more mature segments like mobility.

Key segments like sustainable steel and cement which were nascent back in 2021 when we started this journey, are now reaching large industrial scale and starting to breed unicorns.

This year we will investigate how we are standing on these topics and how things have been evolving. and cover emerging trends in construction project management, sustainable building construction materials & processes, building decarbonization and wildfire management.



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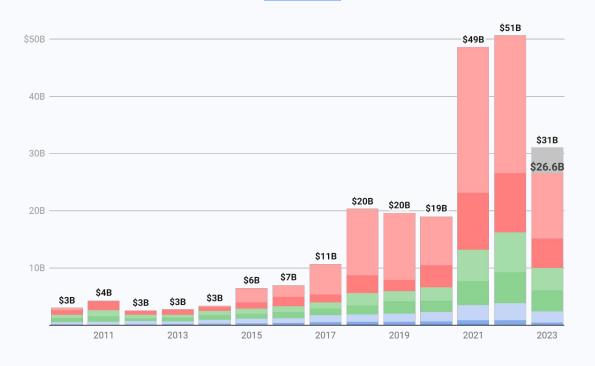
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Dealroom

## 2 Investment Trends & Unicorns

## Urban Tech startup funding has already surpassed 2020 levels this year, with \$26.6B raised so far in 2023, but the total is projected to be 39% lower than in 2022.

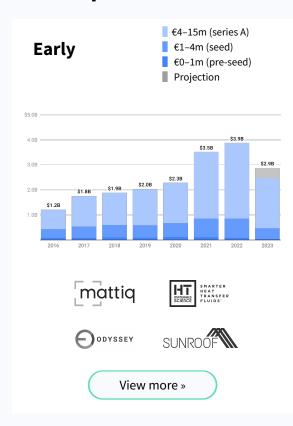


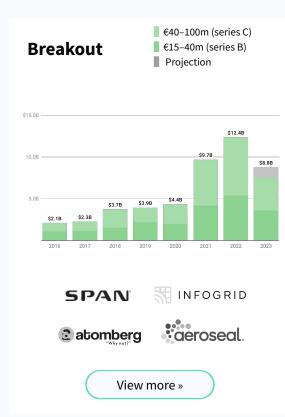


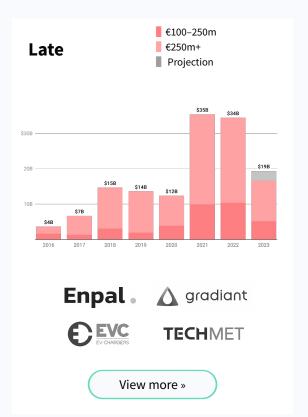


ge / 11 Source: Dealroom.co | Data as of 1st Nov 2023 215O | dealroom.co

# While every stage has experienced declines, late-stage rounds have especially dried up.



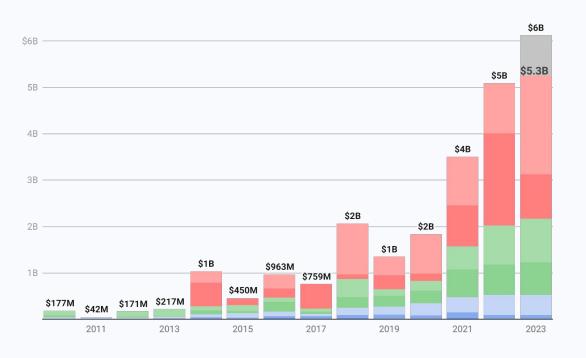




# Funding for green building startups is already at record high levels with \$5.3B in 2023, projected to grow over 3x in respect to 2020.

### VC investment into green buildings\* startups

» view online





### Most active sustainable urban tech venture funds.

### Pre-seed and seed

LOWERCARBON

CAPITAL

Watershed, Electra, Woodoo

PALE BLUE DOT Hived, Ember, Climate X

Ascend Elements, Gradient, Mojave Energy Systems

<norrsken>
BOLDR, Lun, Material Evolution

PROPTECH1
Ecoworks, 42watt, Climate X

FUNDAMENTAL
Mighty Buildings, Enter, Tangible

KOMPAS

Material evolution, Beam up, Vizcab

### Early stage

FIFTH WALL

Span, Woltair, Electric Hydrogen

**2150**1KOMMA5, Carbon Cure Technologies, Aeroseal

HomeTree, HeatTransformers, Ceibo

### **DEMETER**

Plan A, Zeway, Pony

Prelude VENTURES Boston Metal, LuxWall, Mill

BUILDING VENTURES

Measurabl, Blokable, enVerid

a/c proptech VARM,Span, Enter

### Late stage

**TEMASEK** 

H2Green Steel, Ola Electric Mobility, Atomberg Technology

CLIMATE INVESTMENTS

Carbon Upcycling Technologies, Gradient, Aeroseal

#GIC
Ather Energy, Euler Motors, ABB E-mobility

**C>PRICORN** 

Redwood Materials, Span, Magrathea Metals

CLIMAT PLEDG

Carbon Cure Technologies, Carbon Capture, Forum Mobility

RISE

Enpal, Palmetto, UBQ Materials

**YLIOS** 

Aira, H2Green Steel, Vianode

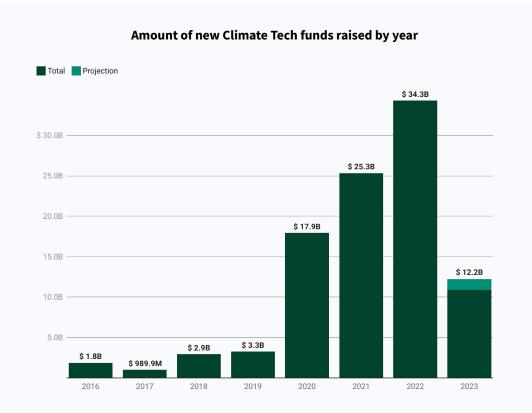
# While corporate funding has drastically increased over the past decade, 2023 levels are projected to decline by 16% compared to last year.



» view online



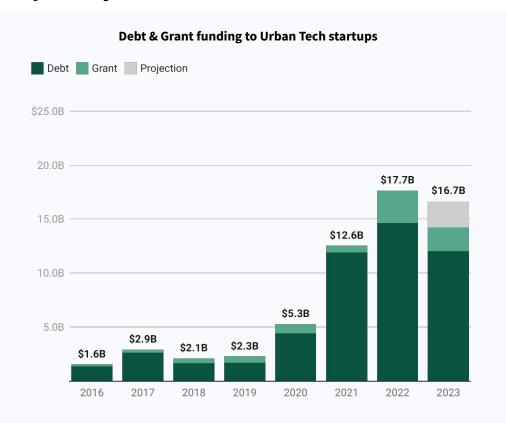
## Climate Tech investors are projected to raise \$12.2B in 2023, a 64% decline compared to last year.





Dealroom.co. Data as of Nov 3rd 2023. dealroom.co 2150

## Urban Tech startups are also raising massive amounts of non-dilutive capital, especially debt.



#### Largest debt and grant financing to Urban Tech startups (2022-2023) Societe Generale H2 Green Steel energy clean energy Stockholms kommun, Sweden European Investment Bank UniCredit Large-scale steel producer based . energy ritishvolt transportation Blyth, United Kingdom A pioneering battery technology d... vehicle production energy storage Bank of Communications transportation China Merchants Bank China ives the freedom to explore the . Industrial and Commercial Bank of China Agricultural Bank of China Redwood Materials transportation U.S. Department of Energy (DOE) Carson City, United States viding advanced technology a. energy storage waste solution Enpal UniCredit energy ING Group Berlin, Germany Germany's online solar provider Pricoa Capital Group Kore Power transportation energy storage clean energy U.S. Department of Energy (DOE) St. John's, Canada Societe Generale Origis Energy energy clean energy Miami, United States Owns and operates solar photovol. First Citizens Bank energy transportation vehicle production energy storage France2030 Grenoble, France Région Hauts-de-France energy transportation Verkor European Investment Bank Grenoble, France A company that promotes the dep...

View more »

## The urban capital stack

Urban Partners is a platform of vision-aligned, differentiated, investment verticals shaped around urban problem solving. With four verticals and close to €20bn under management, we invest in assets, companies, technologies, and solutions. Across our platform, we share the same vision and values - and the aspiration to build the world's leading urban investment company:



## **66** Accelerating urbanization has put cities at the center of climate challenges, and it is where the climate battle will be won or lost.

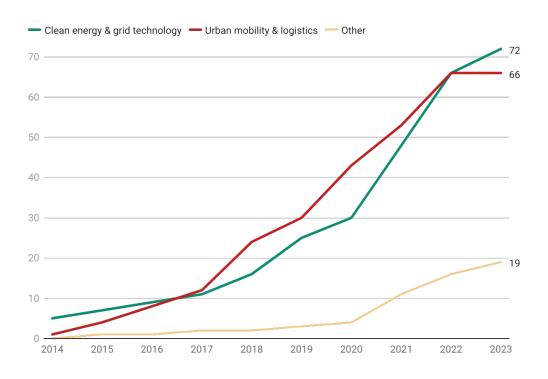
We must maximize collaboration among all stakeholders and jointly channel resources into scaling high-impact solutions. With Urban Partners, we aim to bridge the gap between people, cities, and capital, aligning their interests to drive systemic transformation. By leveraging our collective capabilities, we can identify, fund and support those technologies and business models that will catalyze climate mitigation and adaptation actions where it matters most - the urban landscapes where over half the world's population lives. Working together, we can build thriving resilient cities and a livable future for all."



Jens Stender Co-CEO and Partner at Urban Partners

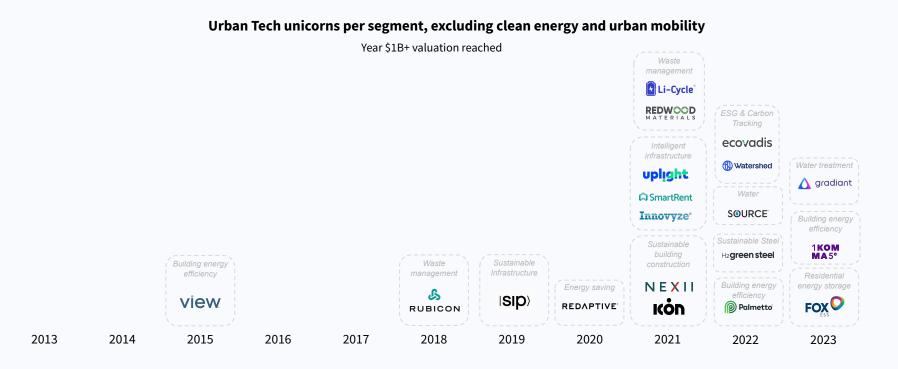
138 of the 157 Urban Tech unicorns are operating in either clean energy or mobility, but other categories have been emerging since 2020.

### Number of Urban Tech unicorn per segment (cumulative)



age / 19 Source: Source: Dealroom.co. Data as of 1st Nov 2023.

# The biggest subcategories of Urban Tech unicorns are sustainable building construction and building energy efficiency companies.



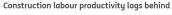
## 3 Enable

Enabling infrastructure technologies and platforms that allow urban areas to scale sustainably and resiliently.

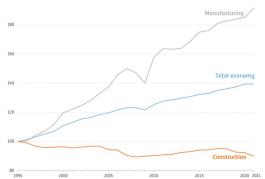
## Construction is lagging behind with declining productivity, rising costs and traditional tools. This opens the opportunity for startups to disrupt the construction tech landscape.

### **Decline in construction labour productivity**

Since 1995, construction labour productivity has stagnated, while it nearly doubled for manufacturing.<sup>1</sup>







#### **Rising costs**

From 2012 to 2020, the average price increase of production (value-added share) in European construction was 2.3% per year compared to 1.0% in manufacturing. In the preceding period (2002-11), the price difference was even greater.

## The construction sector still rely on traditional tools, lacking in digital transformation.

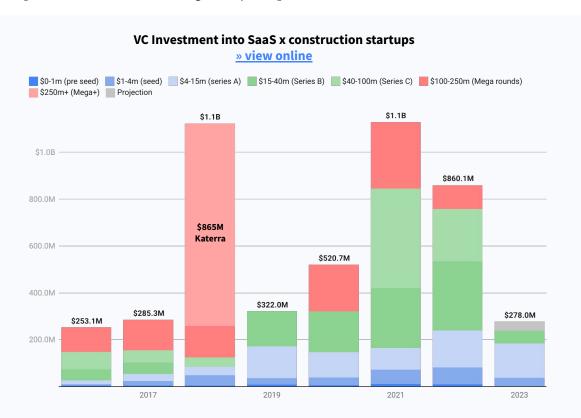
According to a recent survey, an astounding **85%** of respondents in the European construction sector still lean on **Excel for short-term planning**<sup>2</sup>.

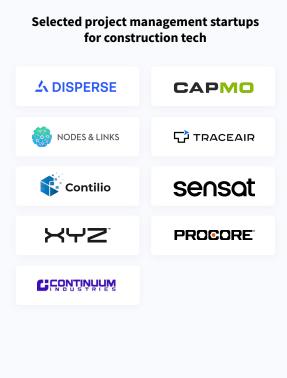
To address this productivity gap, a wave of startups has emerged in the construction tech landscape, aiming to disrupt traditional practices. Construction Tech involves the application of new digital technologies across three key construction phases: **development, planning, and building.** 

Typically software-based, **Construction Tech companies aim to enhance innovation in the digitization and sustainability of the sector.** These companies are indispensable for several reasons, including enabling seamless collaboration, real-time updates, maintaining an audit trail, automating processes to reduce errors, and being tailored specifically for the unique needs of the construction industry—all contributing to ensuring quality and timely project delivery.

Furnstat ING Research

# VC funding for construction SaaS startups peaked in 2021, investments have plummeted this year, expected to decrease 68% from last year.





# 4 Build

How we build including planning, materials, construction and processes.

## Embodied carbon accounts for almost a third of building sector emissions, mainly driven by construction materials (above all cement and steel).

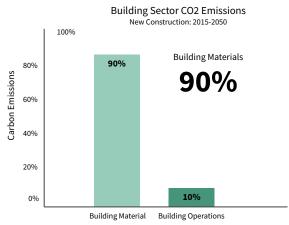
### Embodied carbon is key to building decarbonization.

Globally, **embodied carbon** is responsible for **11% of annual GHG emissions and 28% of building sector emissions**<sup>(1)</sup>.

As operational energy efficiency increases, the impact of embodied carbon emissions in buildings will become increasingly significant. Unless our construction methods change, building materials will cause emissions of >150 GtCO2 between 2020 and 2050, eating up 30% of our remaining 1.5°C-compatible CO2 budget.







**Cement** in particular is the most abundant human-made material in the world, cement production creates ~7% of the world's CO2 emissions and is the largest contributor to embodied carbon in the built environment.

<sup>1)</sup> World Green Building Council (https://worldgbc.org/advancing-net-zero/embodied-carbon/)

<sup>2)</sup> RMI (https://rmi.org/embodied-carbon-101/)

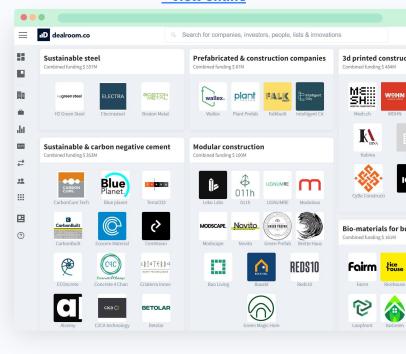
<sup>3)</sup> Architecture 2030 (https://www.buildinggreen.com/feature/urgency-embodied-carbon-and-what-you-can-do-about-it)

## Sustainable building construction startups have raised \$2.5B in 2023, by far more than ever before, even if vastly led by H2 Green Steel \$1.5B megaround.

## Investment into sustainable building construction startups » view online



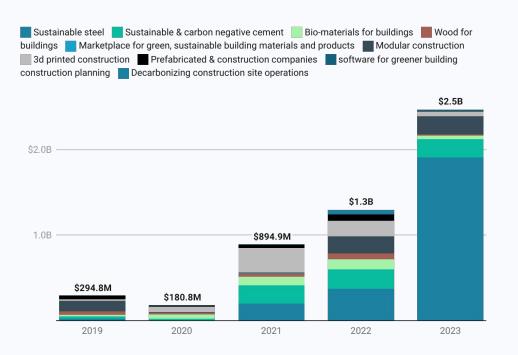
## Explore 160+ sustainable building construction startups » view online



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## The rise in funding for sustainable building construction is mainly coming from materials innovation such as sustainable steel, cement and biomaterials.

### **Investment into sustainable building construction startups**



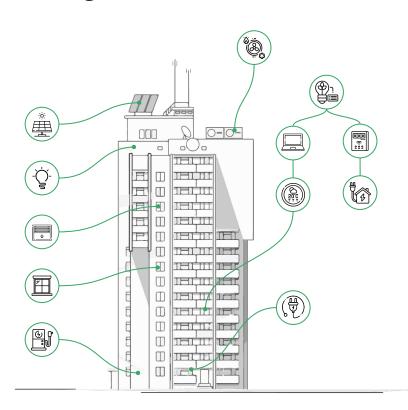
#### Notable rounds in sustainable building construction in 2023

Startup	Funding round	Focus
H2 <b>green steel</b>	€1.5B Growth Equity VC	Green steel
BOSTON	\$262M Series C	Green steel
GROPYUS	€100M Series B	Modular construction
I TopHat	£70M Growth Equity VC	Modular construction
CARBON CURE.	\$80M Late VC	Sustainable cement
MIGHTY BUILDINGS	\$53M Late VC	3d printed construction
Sublime Systems	\$40M Series A	Sustainable cement

## **5** Operate

Sensors and platforms to monitor, control and optimize buildings, cities, and streets.

# Building decarbonization requires a wide range of solutions.



Building energy usage account for 27% of global CO2 emissions.<sup>1</sup>

To tackle this, it is pivotal to have stringent energy standards for new buildings, from construction design to materials used and appliances chosen.

However, most residential buildings were built before thermal standards were introduced. In the EU, half of the buildings are pre-1970, when the first thermal regulations came into place.<sup>2</sup>

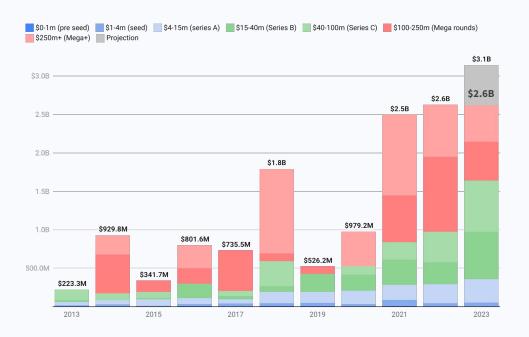
For this reason it is key to be able to retrofit existing building

A wide range of solutions are required for this such us:

- New heat and electricity sources, such as residential solar, heat pumps, geothermal.
- More efficient heating and cooling tech, from new more efficient appliances to SaaS and IoT to optimize legacy systems.
- Building energy management and smart home solutions, managing all aspects of heating, cooling, lighting, air quality and interaction with energy storage and EV charging.
- Insulation and other energy retrofits

## Investment in building operation decarbonization have already raised \$2.6B in 2023, on track for a record of over \$3B.

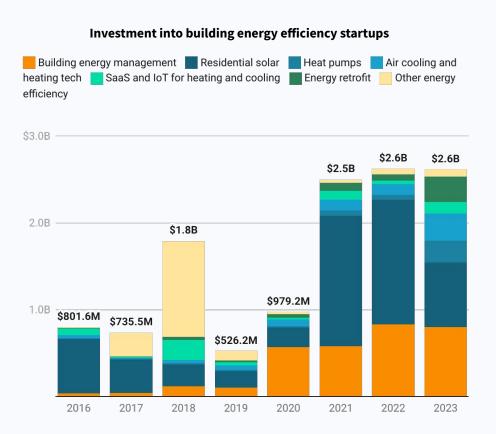




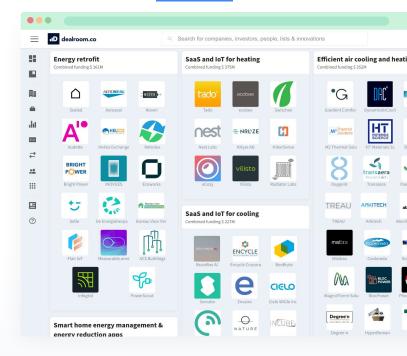
## Notable rounds in building operation decarbonization in 2023.

Startup	Funding round	Focus
1 <b>KOM</b> <b>MA</b> 5°	€430M Series B	Building energy management
Enpal •	€215M Series D	Residential solar installation
Palmetto	\$150M Growth Equity VC	SaaS for end-to-end residential solar operations.
accenta.	€108M Late VC	Heat Storage
SPAN	\$96M Series B	Building energy management
(AIRA)	€87M Late VC	Heat pumps
Kelvin	\$30M Series A	Smart heating retrofit

## Building energy management has attracted the most funding, followed by residential solar. Heat pumps and energy retrofit have also shown strong growth.



## Explore 300+ Building energy efficiency startups » view online



# Startups are tackling old buildings energy efficiency, supported by increasing building regulation.

Retrofitting old buildings is expensive, therefore we need innovative ways to make buildings more efficient.

**Local Law 97 (LL97) in NYC** puts carbon caps and reductions on buildings over 25k sq ft.

Affordable Housing Buildings that include affordable and rent-regulated housing are not exempt from the requirements of Local Law 97 but may be treated differently. Starting in 2024, many aspects of the law will phase in over time. Carbon caps will become more stringent over a series of compliance periods through 2049. In 2050, all buildings will have to meet zero emissions requirements.



	ENERGY EFFICIENCY SCORE
A: ENE	RGY STAR RATING >= 85
B: ENE	RGY STAR RATING >= 70 AND < 85
C: ENE	RGY STAR RATING >= 55 AND < 70
D: ENE	RGY STAR RATING < 55
	UIRED BENCHMARKING INFORMATION
NOT SU	IBMITTED

Map of New York building energy efficiency.

Most building in New York still rank low on energy efficiency rating.

Source: https://www.nyc.gov/

Of the energy consumed in U.S. multi-family buildings, approximately 25% is used for space heating.

"New York City alone has over 3.5 million apartments heated by inefficient, central boiler-powered steam radiators. Kelvin's non-invasive approach delivers substantial energy savings and emissions reductions, avoids the need to retrofit the underlying infrastructures completely, and sets up the building to fully electrify at boiler end-of-life. This empowers building owners to take control of these old radiators and unlocks decarbonization benefits for the millions of older buildings heated by legacy steam systems."

Marshall Cox Founder and CEO at Kelvin



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## 6 Experience

Sensors and platforms to monitor, control and optimize buildings, cities, and streets.

## Wildfires is one of the biggest threats to the security of cities and their development.

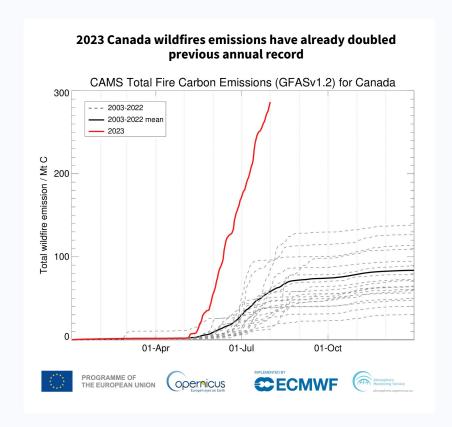
### The rising risk and impact of wildfires

Forest fires now result in 3M more hectares of tree cover loss per year compared to 2001, and accounted for more than one-quarter of all tree cover loss over the past 20 years. In fact, only in the period between January and July 2023, Canada saw 9.5M hectares of its land wiped, the equivalent surface area of Portugal 1.

Wildfires can also make cities unlivable, drastically worsening air quality. As a result of Canadian wildfires, New York City experienced the worst day of air pollution on US record 2.

The wildfire crisis is also becoming an **insurance crisis**. In 2023 in the US, wildfires have already caused over \$1B in damages. As a result insurers are now refusing to offer insurance coverage in certain high-risk areas 3.

Wildfires not only disrupts the lives and communities exposed to it, but also leaves a lasting impact on the environment. This year, Canada experienced the widespread effects of wildfires, resulting in a significant aftermath: a staggering 2 billion tonnes of CO2 were released, roughly tripling the entire country's **annual carbon footprint** <sup>4</sup>. To put it in perspective, considering emissions only from January 1st to July 31st, the amount released into the atmosphere equals the annual emissions from over **285 coal-fired power plants** <sup>5</sup>.



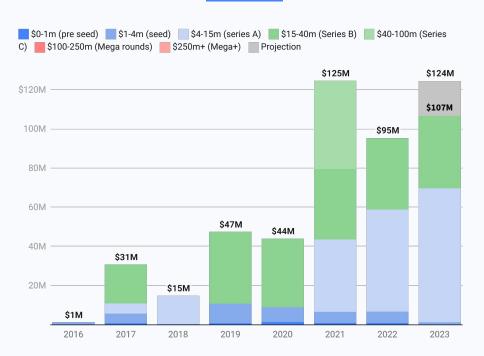
2)

https://www.theguardian.com/world/2023/sep/22/canada-wildfires-forests-carbon-emissions https://www.nationalobserver.com/2023/08/04/news/canadas-wildfire-emissions-smash-another-record

## Investments in wildfire startups have grown 7x since 2018 and projected to match all-time-high 2021 levels by years end.

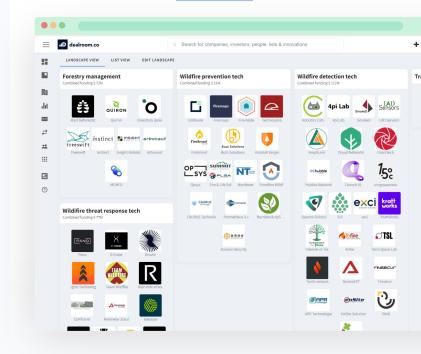
### Investment into wildfire management startups

» view online



### Explore 70+ wildfire management startups

» view online



## Wildfire detection tech has attracted the most funding across wildfire startups. A lot more funding has been directed to climate catastrophe insurance and air quality.

Prevention Real-time Post-event

### **Forestry management**

Use of satellite imagining, drones and other sensors to acquire data and plan forest management, as well as electric lines monitoring

#### Combined funding: \$72M

Examples:

overstory





View more »

## Wildfire detection tech

Using satellite & imaging or gas sensors & IoT networks to fastly detect wildfires

#### Combined funding: \$112M

Examples:





(H) hubble

View more »

## Wildfire threat response

Tactical and operational management software for firefighters, as well as tech for firefighting such as drones

#### Combined funding: \$77M

Examples:



## Rain



View more »

## Air quality monitoring & treatment\*

Sensors and data analysis solutions to monitor air quality, as well as devices for the purification of air (especially for indoor spaces).

#### Combined funding: \$790M

Examples:





Molekule

View more »

## Climate catastrophe insurance\*

Insurance coverage for extreme-weather events such as wildfire, flooding and storms.

Mostly data providers, risk assessment or parametric insurance MGAs.

#### Combined funding: \$1.1B

Examples:

DESCARTES

C zesty<sup>A</sup>

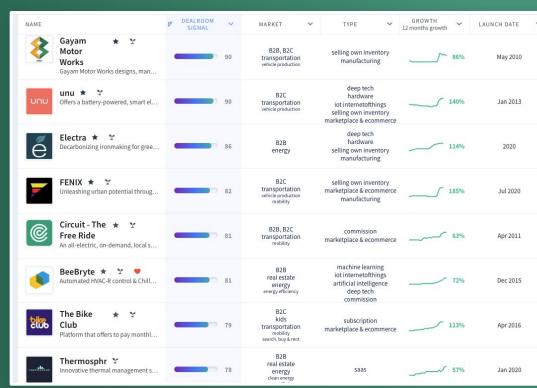


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# Top 100 urban tech startups to watch based on Dealroom signal.

We've ranked the top 100 urban tech startups to watch based on **Dealroom Signal**: a powerful algorithm helping VCs, Corporates and Governments find the most promising up and coming startups.

» Top 100 Urban Tech Startups to Watch



# Impact is to have sustainability at the core.

In this report, an impact startup is a company that addresses one or more UN Sustainable Development Goal (SDGs) at the core of its business and the potential to scale. Our litmus test: if you remove the impact, you also remove the business.

Impact is often confused with ESGs, while the two concepts have strong differences.

ESGs look at improving financial returns by reducing the risk of the investment, but do not factoring in positive or negative impact on the world (inside-in view).

Impact instead look to solve societal challenges and do good for the world (inside-out view)

Our full taxonomy is available at this link.

In this report we examined over 11,000 global VC-backed impact startups.

# Impact and ESGs are two vastly different things with little overlap.

# ESGs do not necessarily lead to positive impact on the world.



### **Impact**

DOING GOOD FOR THE WORLD (STAKEHOLDERS)



Environmental, Social and Corporate Governance (ESG)

REDUCING RISK FOR INVESTORS (SHAREHOLDERS)

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## **Projected Impact Method**

2150 measures the sustainability impact of its investments and portfolio. This analysis considers the current and potential future impacts from a company's and/or its products' ability to have quantifiable benefits on the climate and environment. These calculations speak to the 2150 Impact Principles embedded in our Impact Score, as well as enable us to articulate and report the impact of our companies and portfolio.

We frame our impact calculations within a selection of Key Performance Indicators (KPI) and the Sustainable Development Goals to have a common framework for assessing benefits. These KPIs cover both common metrics such as climate mitigation, as well as more company specific outcomes such a resilience and pollution benefits. Working with companies and industry experts, we model the scale of impact to at least 2040 for each investment.

### 2150 key performance indicators

**GHG** emissions savings

Tonnes CO2 eq. / yr

**Energy savings** 

GJ/yr

Renewable energy generated

MWh / vr

**Water savings** 

 $m^3/yr$ 

**Resource savings** 

Tonnes / yr

**Increased human health** 

OALY

**Reduced weather disruption** 

Days / yr

Reduced weather damage

%

PM air pollution reduction

Tonnes PM / yr

NOx air pollution reduction

Tonnes NOx / yr

SOx air pollution reduction

Tonnes SOx / yr

**Individuals benefiting** 

Individuals

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## 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).

When startups are successful, they develop into scaleups (>50 people), grownups (>500 people) and result in big companies, like Arrival or Northyolt.

Only companies founded since 1990 are included in this report.

Glossary & Definitions

### **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.

### **Impact**

In this report, an impact startup is a company that addresses one or more UN Sustainable Development Goal (SDGs) at the core of its business and the potential to scale. Our litmus test: if you remove the impact, you also remove the business.

Urban tech

### **Underlying data**

Dealroom's proprietary database and software aggregate data comes from multiple sources: harvesting public information, user-submitted data verified by Dealroom, data engineering. All data is verified and curated with an extensive manual process.

Most underlying data from the report is available online via https://dealroom.co/

For more info please visit dealroom.co or contact <a href="mailto:support@dealroom.co">support@dealroom.co</a>

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