Clarivate™

Top 100 Global Innovators™ 2024

The rankings revealed.

Contents

Young Liu,
Chairman and CEO,
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Foxconn celebrates its half centennial in 2024. What an ideal moment to consider what guides our journey in innovation.

We are absolutely honored to be named for the seventh year running among Clarivate's Top 100 Global Innovators. A tangible form of innovation are patents. Their essence is about sharing and when our engineers want to design a product or a process, I tell them to go search and see if there is a patent.

Foxconn is a member of the Open Invention Network because we believe IP protection is a mechanism to motivate one to share knowledge, so those who follow behind you do not have to reinvent the wheel. They can move forward to innovating something new on top of existing creations. This is what adds value. Once that innovation scales up and scales out, it makes society grow much faster.

Foxconn and our affiliates, together, own more than 57,700 patents around the world. This is a reflection of our strong capabilities to solve the problems of our customers. It is validation of our advanced research to invent next generation technologies and processes. It is our commitment to sharing our innovations with the world.

We are all headed toward an even more intelligent future.

Smart cities. Smart manufacturing. Smart electric vehicles. At the half century mark, our journey in innovation is just beginning. Foxconn is transforming from a manufacturing service company into a platform solution company.

We are here to innovate for the good.

What makes **you stand out?**

The effect of difference

Innovation is elusive. Difficult to define and measure, its effects and importance are unquestioned.

Innovation includes creativity, sparks of inspiration and ingenuity – combining to humanity's continuing progress. It is an ongoing process that does not have a final destination.

Just as it approaches a conclusion, innovation's rules undergo rapid transformation. At times, instantly.

In the face of change, some organizations show remarkable resilience. But beyond endurance, they invest in differentiation and in the development of the next idea. This is reinvention – changing their approach as the needs of the market evolve.

How to distil the strength of innovators and gain defined insight into its otherwise elusive nature requires rigor and data, and a different viewpoint. The ability to achieve and succeed is measurable. Patents provide a measurable indicator for output.

Measuring the quality of invention, especially at scale, provides an even stronger signal. As knowledge evolves and new technologies appear, invention metrics tell us the story of the current dynamic of innovation: growing participation, increasing contribution, more complex research.

What makes a difference? What makes something, or someone, stand out?

For 13 years, Clarivate™ has recognized those that are on top. For 12 years, we did so without noting the difference. As technology, research and the competition for ideas has become more intense, a closer and more defined view is increasingly needed.

The observable difference, the measured edge, is focused here on exceptionalism. Those that think forward.

Introducing Top 100 Global Innovators™ 2024 by Clarivate.

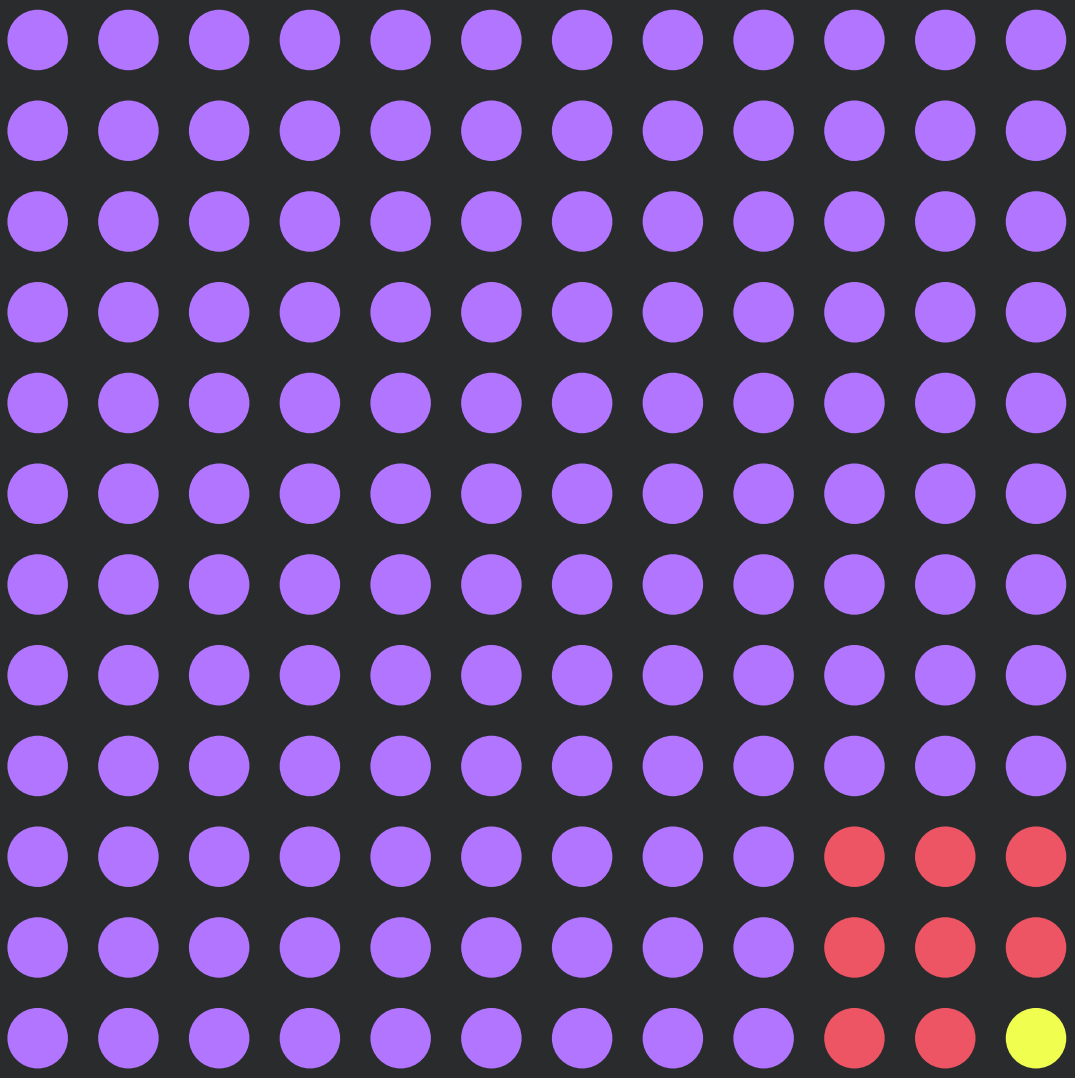
This year, ranked.

Measuring the difference

Measuring and ranking innovative performance is not just a volume game. To overcome its complexities, we use live thresholds of differentiation – updated daily, as every record enters the measurement pool. We measure the quality of patented ideas, the potency of their contribution and their effect on their field.

We have combined modern analytical architecture with our 60 years of experience measuring global innovation, providing immediate and strategic implications.

Innovating organizations have to pass two qualifying hurdles based on inventive activity. They have to have filed more than 500 inventions since 2000 and be issued more than 100 granted inventions within a five-year evaluation window of 2024. Candidates must meet this threshold criteria based on the volume of inventive activity.



1.1
million innovators
and organizations

> 61
million
inventions

3,500
qualifying companies
and institutions

100
ranks

* Note: Graphic is not to scale.

The top
0.0001%

Innovation Ranking
Methodology

International factor

the scale and ratio of two-country protection of the same invention, measured at the entity level

Influence

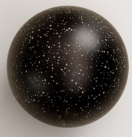
the level of technical leadership of the invention, via its effect on the ideas of others

Success

the level of economic asset the invention produced as a valid, novel idea

Invention strength

the combined score across the four factors for the invention



Investment

the level of monetary and geographic investment in the invention

Rarity

where the invention sits on the development curve

Global Innovator Score

International factor x median invention strength

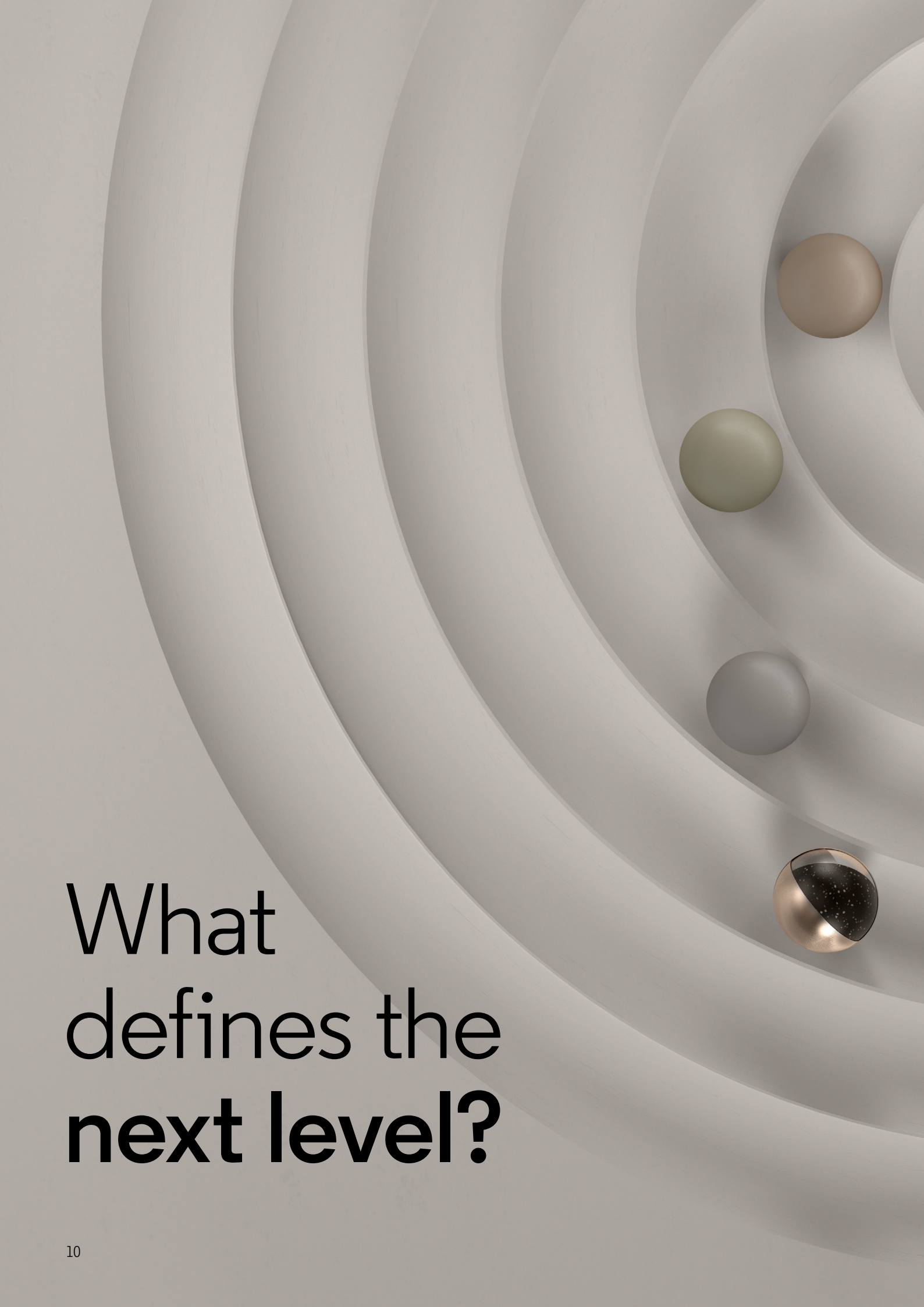
Data sources

Derwent World Patents Index™ (DWPI™)

A database of the patented ideas, DWPI records where and when inventions are protected across 60 patent-issuing states and authorities, with each idea distilled into English-language summaries and categorized into the industry, the technology and the need. Created by thousands of Clarivate science and engineering expert editors over more than 60 years, DWPI acts as the library of global human invention and patented problem solving .

Derwent Patents Citation Index™

A sister database to DWPI, Derwent Patents Citation Index focuses on inventions that have been referenced by applicants and patent examiners in later, downstream patent applications. Emulating DWPI invention-level structure, Derwent Patents Citation Index automatically removes double, triple (or more) counting of citation events between the same patented ideas. Accessing the same distillation of industry and technology, it provides a record of the links between ideas as they develop.



What defines the **next level?**

Top 100 Global Innovators 2024 Rankings

The Top 100 methodology is concerned with the atypical. It is not about accumulation, but contribution. It is about those that materially add to the global stock of technology. Other accolades exist for other purposes, but here Clarivate measures global innovation.

Those that earn a rank are the companies and research institutions that invest in innovation with force and consistency. They have gone further. Their work bleeds across disciplines and industries, shaping the direction to come.

This cohort is united by a common purpose: the pursuit of excellence and the act of contributing itself.

Making it onto our list signals output beyond benchmarks, where technology leadership and extension, the atypical, are business as usual.

The Top 100 Global Innovators are above 99.99% of all other innovators globally. They exemplify excellence.

The 1% of the 1%.

Here we present the companies and research institutions recognized as this year's Top 100 Global Innovators.

Top 100 Global Innovators 2024
Rankings

Rank	Top 100 Global Innovator, 2024	HQ Country/ Region	Industry	Recognition (2012-24)	
1	**Samsung Electronics**	South Korea	Electronics and computing equipment	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022*, 2023*, 2024	
2	**Canon**	Japan	Electronics and computing equipment	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2022, 2023, 2024	
3	**Honda**	Japan	Automotive	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
4	**Toyota**	Japan	Automotive	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
5	**Seiko Epson**	Japan	Electronics and computing equipment	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2022, 2023, 2024	
6	**LG Chem**	South Korea	Chemicals and materials	2022*, 2023*, 2024	
7	**Huawei**	Mainland China	Telecommunications	2015, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
8	**FujiFilm**	Japan	Electronics and computing equipment	2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
9	**Fanuc**	Japan	Industrial systems	2012, 2013, 2022, 2023, 2024	
10	**RTX**	United States	Aerospace and defence	2012, 2013, 2019, 2020, 2021, 2022, 2023, 2024	
11	**Mitsubishi Electric**	Japan	Energy and electrical	2012, 2013, 2014, 2015, 2016, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
12	**BOE Technology**	Mainland China	Electronics and computing equipment	2022, 2023, 2024	
13	**GE**	United States	Industrial conglomerate	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
14	**Siemens**	Germany	Industrial conglomerate	2012, 2013, 2014, 2015, 2019, 2022, 2023, 2024	
15	**LG Electronics**	South Korea	Electronics and computing equipment	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
16	**Tencent**	Mainland China	Software, media, fintech	2020, 2021, 2024	
17	**Panasonic**	Japan	Electronics and computing equipment	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
18	**Sony**	Japan	Electronics and computing equipment	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
19	**Hitachi**	Japan	Industrial conglomerate	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
20	**General Motors**	United States	Automotive	2022, 2023, 2024	
21	**Murata Manufacturing**	Japan	Electronics and computing equipment	2012, 2022, 2023, 2024	
22	**AUO**	Taiwan	Electronics and computing equipment	2022, 2023, 2024	
23	**TSMC**	Taiwan	Semiconductors	2014, 2022, 2023, 2024	

* In 2022 and 2023, this recipient was grouped under a wider family of companies, and not evaluated individually. This has been changed for 2024.

13-Year Top 100 Global Innovator | Innovator to Watch 2020-2023 | Re-entry | New entrant

Top 100 Global Innovators 2024
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Rank	Top 100 Global Innovator, 2024	HQ Country/ Region	Industry	Recognition (2012-24)	
24	**Toshiba**	Japan	Electronics and computing equipment	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
25	**Sumitomo Electric**	Japan	Energy and electrical	2012, 2014, 2015, 2016, 2017, 2022, 2023, 2024	
26	**Kia**	South Korea	Automotive	2022, 2023, 2024	
27	**Foxconn**	Taiwan	Electronics and computing equipment	2018, 2019, 2020, 2021, 2022, 2023, 2024	
28	**Ericsson**	Sweden	Telecommunications	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
29	**Hyundai Motor**	South Korea	Automotive	2022, 2023, 2024	
31	**CEA**	France	Government and academic research	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2022, 2023, 2024	
32	**MediaTek**	Taiwan	Semiconductors	2015, 2016, 2017, 2022, 2023, 2024	
33	**Tokyo Electron**	Japan	Semiconductors	2015, 2022, 2023, 2024	
34	**Airbus**	France	Aerospace and defence	2012, 2013, 2014, 2019, 2022, 2023, 2024	
35	**Qualcomm**	United States	Telecommunications	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
36	**Dow**	United States	Chemicals and materials	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
37	**Wistron**	Taiwan	Electronics and computing equipment	2022, 2023, 2024	
38	**Ford**	United States	Automotive	2013, 2014, 2022, 2023, 2024	
39	**Denso**	Japan	Automotive	2012, 2013, 2015, 2022, 2023, 2024	
40	**SK Hynix**	South Korea	Semiconductors	2022*, 2023*, 2024	
41	**Fujitsu**	Japan	Electronics and computing equipment	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
42	**Royal Philips**	Netherlands	Medical and biotechnology	2012, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
43	**ITRI**	Taiwan	Government and academic research	2015, 2018, 2019, 2020, 2021, 2022, 2023, 2024	
44	**STMicroelectronics**	Switzerland	Semiconductors	2013, 2014, 2015, 2022, 2023, 2024	
45	**Realtek Semiconductor**	Taiwan	Semiconductors	2022, 2023, 2024	
46	**Safran**	France	Aerospace and defence	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2022, 2023, 2024	
47	**Yazaki**	Japan	Automotive	2016, 2017, 2021, 2022, 2023, 2024	
48	**Kyocera**	Japan	Electronics and computing equipment	2015, 2016, 2017, 2018, 2019, 2022, 2023, 2024	

Top 100 Global Innovators 2024
Rankings

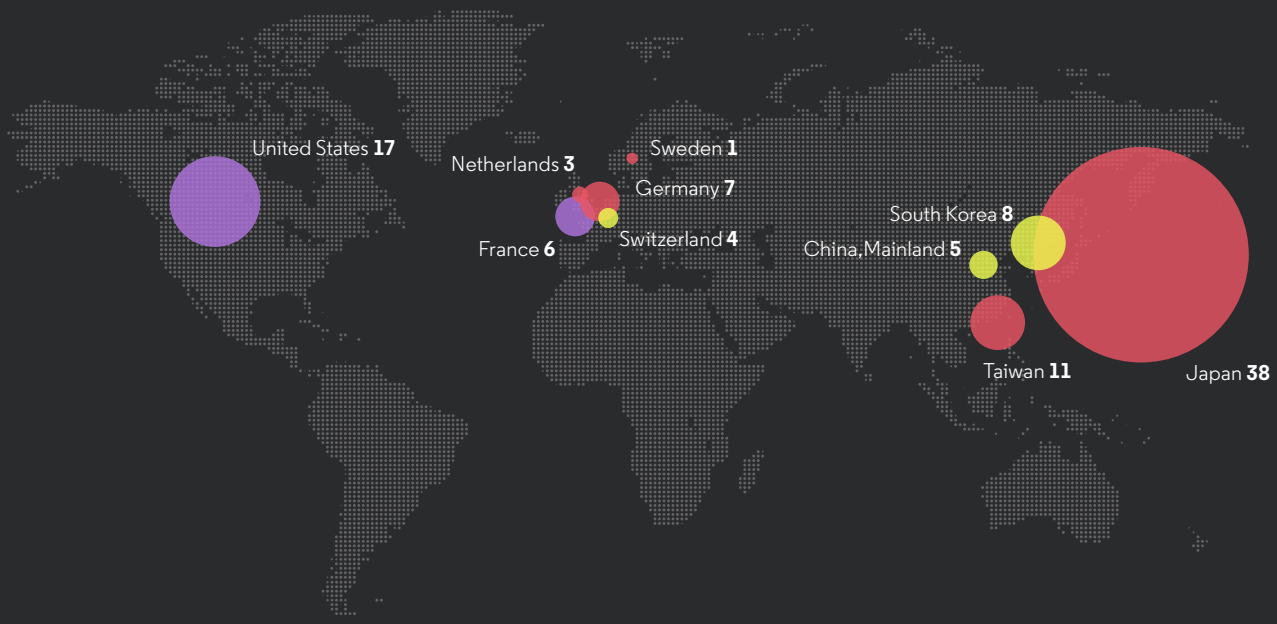
Rank	Top 100 Global Innovator, 2024	HQ Country/ Region	Industry	Recognition (2012-24)
49	**Volkswagen**	Germany	Automotive	2022, 2023, 2024
50	**Bosch**	Germany	Industrial conglomerate	2015, 2022, 2023, 2024
51	**Boeing**	United States	Aerospace and defence	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024
52	**Ant Group**	Mainland China	Software, media, fintech	2022, 2023, 2024
53	**Sumitomo Chemical**	Japan	Chemicals and materials	2022, 2023, 2024
54	**Omron**	Japan	Electronics and computing equipment	2014, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024
55	**SCREEN**	Japan	Electronics and computing equipment	2022, 2023, 2024
56	**Infineon Technologies**	Germany	Semiconductors	2014, 2022, 2023, 2024
57	**Samsung SDI**	South Korea	Industrial systems	2022*, 2023*, 2024
58	**Shin-Etsu Chemical**	Japan	Chemicals and materials	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024
59	**Kioxia**	Japan	Semiconductors	2022, 2023, 2024
60	**Brother Industries**	Japan	Electronics and computing equipment	2012, 2013, 2014, 2015, 2022, 2023, 2024
61	**Nitto Denko**	Japan	Chemicals and materials	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2022, 2023, 2024
62	**Mitsubishi Heavy Industries**	Japan	Industrial systems	2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024
63	**Deere & Company**	United States	Industrial systems	2013, 2022, 2023, 2024
64	**Philip Morris International**	United States	Consumer goods and food	2022, 2023, 2024
65	**TDK**	Japan	Electronics and computing equipment	2013, 2014, 2015, 2018, 2019, 2020, 2021, 2022, 2023, 2024
66	**Ricoh**	Japan	Electronics and computing equipment	2013, 2015, 2022, 2023, 2024
67	**Applied Materials**	United States	Semiconductors	2012, 2023, 2024
68	**Otis**	United States	Industrial systems	2023, 2024
69	**Nidec**	Japan	Energy and electrical	2023, 2024
70	**BASF**	Germany	Chemicals and materials	2012, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024
71	**Johnson & Johnson**	United States	Pharmaceuticals	2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024
72	**Nanya Technology**	Taiwan	Semiconductors	2023, 2024
73	**Swatch Group**	Switzerland	Consumer goods and food	2022, 2023, 2024
74	**Halliburton**	United States	Energy and electrical	2022, 2023, 2024

Top 100 Global Innovators 2024
Rankings

Rank	Top 100 Global Innovator, 2024	HQ Country/ Region	Industry	Recognition (2012-24)
75	**Honeywell**	United States	Industrial systems	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024
76	**Winbond**	Taiwan	Semiconductors	2023, 2024
77	**Thales**	France	Aerospace and defence	2013, 2014, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024
78	**Procter & Gamble**	United States	Consumer goods and food	2012, 2013, 2014, 2022, 2023, 2024
79	**Komatsu**	Japan	Industrial systems	2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024
80	**Coretronic**	Taiwan	Electronics and computing equipment	2024
81	**Delta Electronics**	Taiwan	Electronics and computing equipment	2022, 2023, 2024
82	**Yamaha**	Japan	Industrial conglomerate	2012, 2015, 2016, 2017, 2022, 2023, 2024
83	**Alphabet**	United States	Software, media, fintech	2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2023, 2024
84	**AAC Technologies**	Mainland China	Electronics and computing equipment	2023, 2024
85	**Daikin Industries**	Japan	Industrial systems	2012, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2024
86	**ZEISS**	Germany	Industrial systems	2022, 2024
87	**Evonik**	Germany	Chemicals and materials	2022, 2023, 2024
88	**NEC**	Japan	Electronics and computing equipment	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024
89	**Roche**	Switzerland	Pharmaceuticals	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024
90	**CNRS**	France	Government and academic research	2012, 2013, 2014, 2015, 2016, 2017, 2022, 2023, 2024
91	**Nichia**	Japan	Chemicals and materials	2018, 2019, 2020, 2021, 2023, 2024
92	**NXP Semiconductors**	Netherlands	Semiconductors	2017, 2018, 2019, 2020, 2021, 2023, 2024
93	**ABB**	Switzerland	Industrial systems	2012, 2014, 2015, 2020, 2021, 2022,2023, 2024
94	**ASML**	Netherlands	Semiconductors	2012, 2022, 2023, 2024
95	**Emerson**	United States	Industrial systems	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2023, 2024
96	**Shimano**	Japan	Consumer goods and food	2022, 2023, 2024
97	**Michelin**	France	Automotive	2012, 2013, 2014, 2022, 2023, 2024
98	**Konica Minolta**	Japan	Electronics and computing equipment	2022, 2023, 2024
99	**Kawasaki Heavy Industries**	Japan	Industrial conglomerate	2016, 2017, 2018, 2019, 2020, 2021, 2023, 2024
100	**Disco**	Japan	Industrial systems	2024

The difference this year

Countries and regions, Top 100 Global Innovators 2024



Increase No change Decrease

Industry sectors, Top 100 Global Innovators 2024

- Aerospace and defense **5**
- Automotive **10**
- Chemicals and materials **8**
- Consumer goods and food **4**
- Electronics and computing equipment **26**
- Energy and electrical **4**
- Government and academic research **3**
- Industrial conglomerate **6**
- Industrial systems **12**
- Medical and biotechnology **1**
- Mining and metals —
- Pharmaceuticals **2**
- Semiconductors **13**
- Software, media, fintech **3**
- Telecommunications **3**

Increase No change Decrease

Industrial segments have increased representation in this year's list, a trend seen in last year's report. Industrial systems saw a significant increase **(+4)** alongside Semiconductors **(+2)** and Software, media, and fintech **(+1)**. However, momentum has not been uniform, with decreases observed across several segments this year. Chemicals and materials declined **(-3)**, as did Industrial conglomerates **(-2)**.

18 all-time recipients, retaining Top 100 Global status

- Samsung Electronics
- Honda
- Toyota
- GE
- LG Electronics
- Panasonic
- Sony
- Hitachi
- Toshiba
- Ericsson
- Qualcomm
- Dow
- Fujitsu
- Boeing
- Shin-Etsu Chemical
- Honeywell
- NEC
- Roche

3 companies re-enter the Top 100

- Tencent, an Internet and technology company hailing from Mainland China
- From Japan, Daikin Industries, now a nine-time recipient
- German manufacturer of optical systems, ZEISS

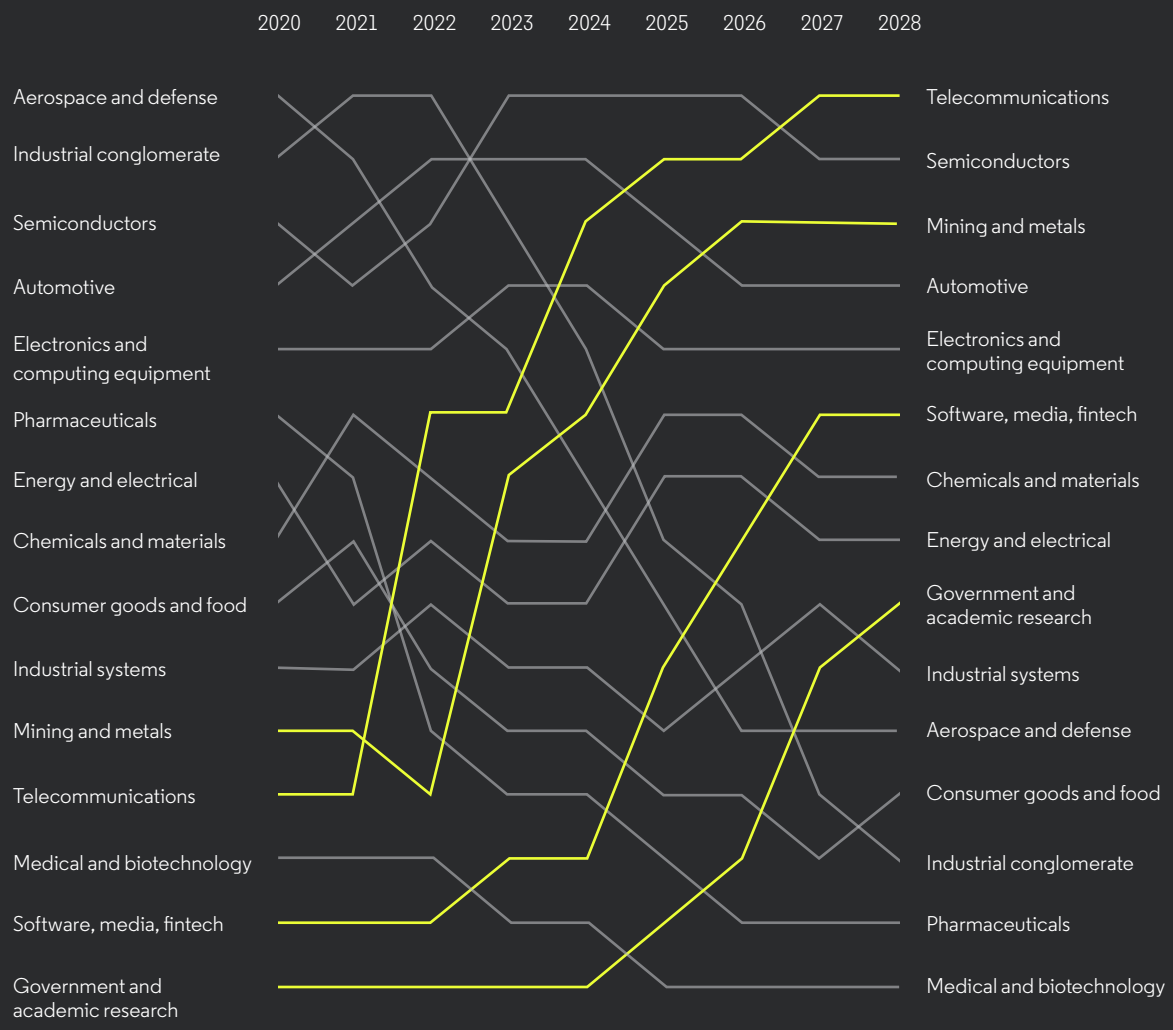
2 companies awarded Top 100 status for the first time

- Taiwan electronics company Coretronic
- From Japan, precision tool manufacturer, Disco

Japan maintains its position as the biggest contributor of Top 100 entities, showcasing its continued global penetration. More than half of those companies that made the Top 10 are Japanese and come from different sectors, including Electronics and computing equipment and Automotive segments. While Japan's presence is clear, representation from Japanese entities has not increased this year and their share of Top 100 entities has remained the same.

Mainland China, on the other hand, has made marginal gains compared to the previous year, Top 100 Global Innovators 2023. A look at the bigger picture, based on the Top 1000 entities, suggests continued growth in the Asia-Pacific region. Innovators in Mainland China, Taiwan, Japan and South Korea are predicted to improve their average rankings.

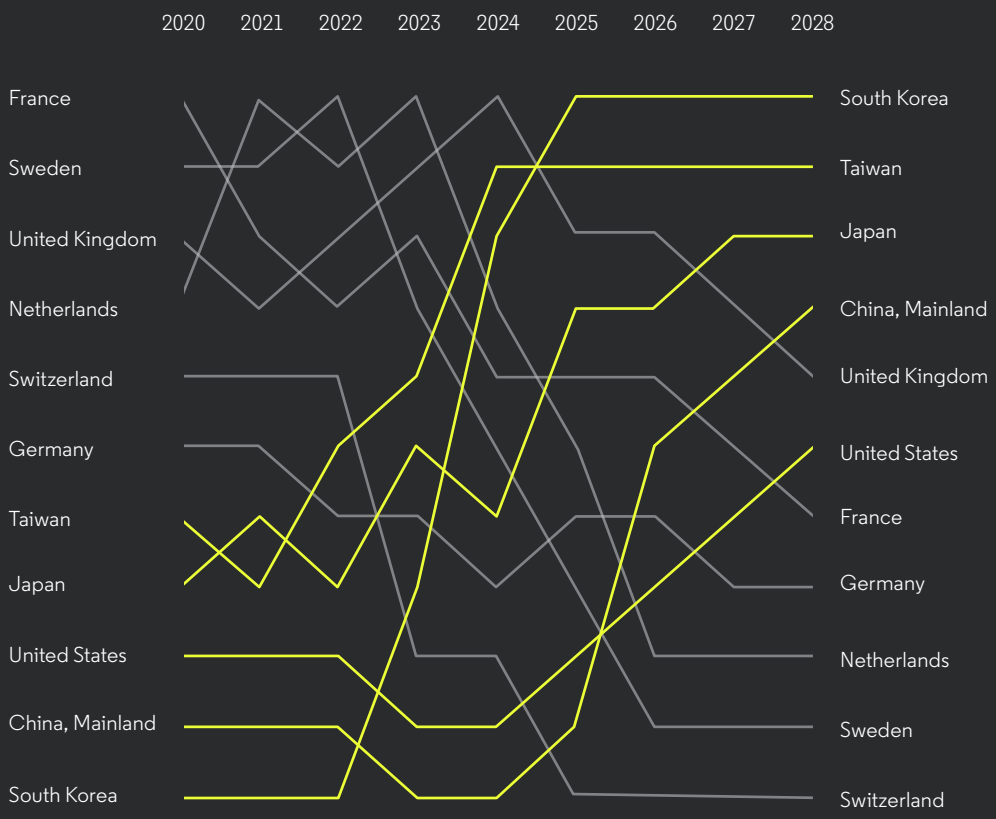
Forecast global innovator ranking, by segment
Average rank of organizations within the **Top 1,000** global innovators; displayed as position



Forecast **improvement** in average organizational **Top 1,000** Global Innovators ranking

In future, entities in high-tech segments, including Telecommunications (which saw no change in representation this year) and Software, media and fintech are expected to improve rankings. In this year's list, three institutions from the public sector have been recognised. Based on predictions from the Top 1,000 organizations, the Government and academic research segment will grow.

Forecast global innovator ranking, by country / region
Average rank of organizations within the **Top 1,000** global innovators; only countries/regions with >10 entities in year; displayed as position



Forecast **improvement** in average organizational **Top 1,000** Global Innovators ranking

Are you **redefining innovation?**

The changing game

Being at the top of the innovation ecosystem is a high-stakes game. Experimentation and risk must be balanced with discipline and reward. The best way of playing the game is not always obvious. With the landscape always changing, the goal of Clarivate is to define what good looks like.

The rapid rise of patent activity means that the level of competition is accelerating. With more activity coming from smaller companies, the competitors can be hidden. Companies and institutions are connected in ways that are difficult to see. The rules can change without anyone being aware.

The demands placed on innovators require them to anticipate how their markets are moving, what their customers will want, and how the tech of others impacts their own.

Maintaining an edge is harder than ever.

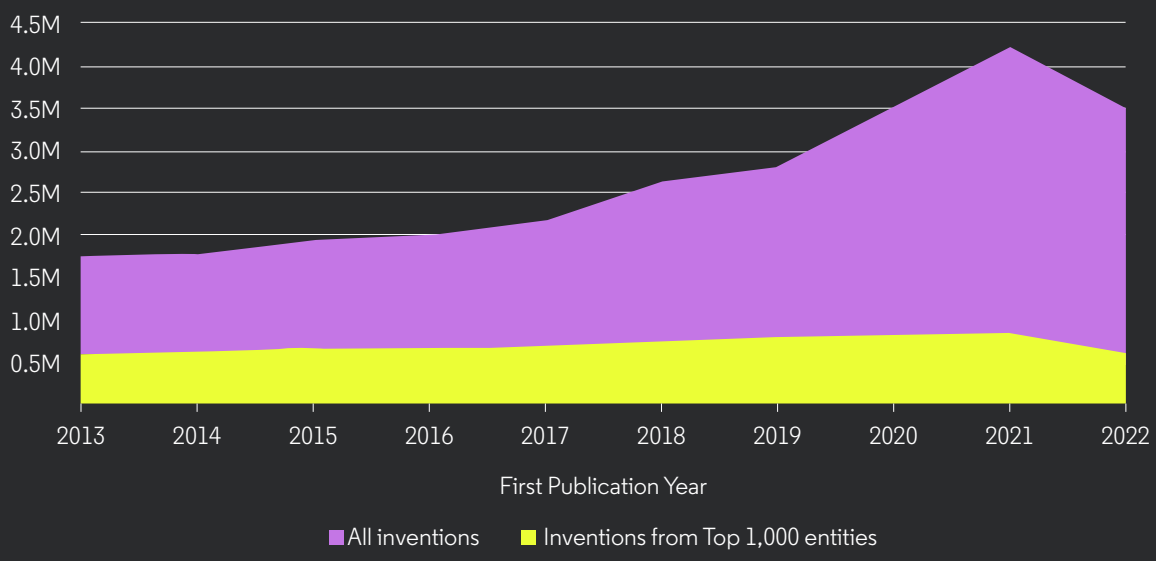
More fragmentation, more players

Our analysis of the top of the global innovation ecosystem extends beyond the 1% of the 1%. We also examine those organizations down to the Top 1,000, and we look at how the sources of ideas have changed historically.

The Top 1,000's share of global innovation is shrinking at pace. In 2016, they created more than one-third of inventions. Today, it is 17%.

More players and more diversity change the landscape, with new innovation coming from smaller organizations. There is risk here, that these smaller entities will slip outside traditional competitive intelligence, their activity more difficult to track or missed altogether.

Number of new inventions from Top 1,000 entities
vs total global invention activity



Looking at the fragmentation trend highlights the importance of using more progressive ways of working and more open approaches to innovation, as well as the dangers of silos. If you only define risk in relation to your stock peers, you will miss something.

Larger enterprises need to consider the rising influence of smaller entities and the corresponding risk of decreased market share, including the cascading danger of being pushed out of today's position of strength. While Top 100 is an exclusive list, the rite of passage to the wider innovation ecosystem is not.

The traceability of competition, markets and technologies is no longer straightforward. As AI comes, the consequences are not obvious. When an industry is upended by another, the later implications may go unnoticed.

The outcome is that defining competition solely in terms of who you consider to be competitors is no longer correct.

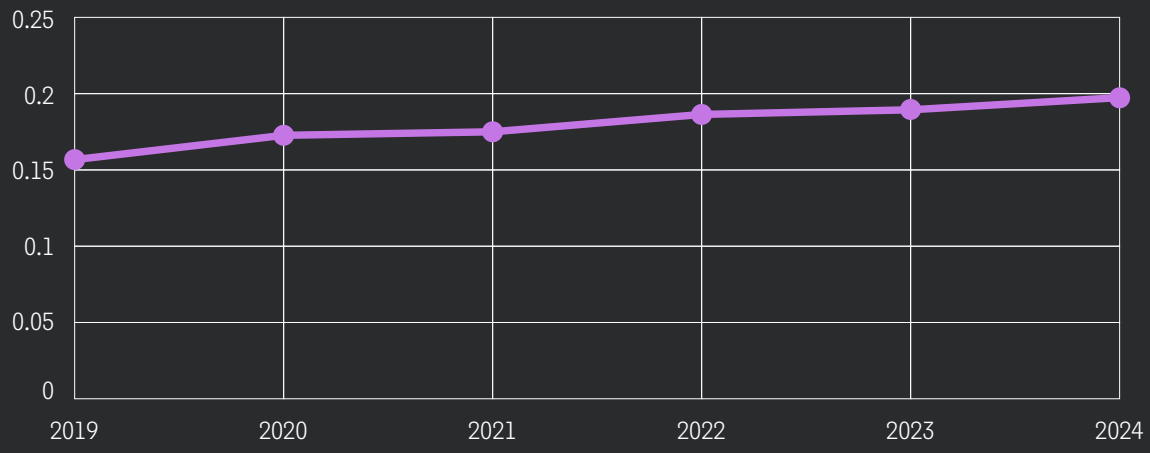
The elevated bar

Securing a Top 100 Global Innovators spot is itself intensifying. An observable trend reveals a constant elevation in the score needed for inclusion, beyond the benchmarks set by earlier recipients.

The highest tier of the innovation ecosystem is constricting. Despite a decline in the volume of patent activity from the 100, we see upticks where we measure leadership, rarity and investment.

Today, the quality of ideas prevails.

Threshold for inclusion
Top 100 Global Innovators



In this evolving landscape, the Top 100 signifies a change in basic assumptions. It reflects a transformed ecosystem where success is closely tied to deliberate, high quality output.

Strategy, in this game, is how organizations select their next move and no longer how many they make.

Success is knowing which moves are available.

Can you **see the big picture?**

A measured edge

Benchmarking has become a figurative expression, but its roots tell us what it is for.

Long before industrialization, a benchmark was a survey marker. Masons chiseled lines onto stone structures, providing a reference for leveling.

Markings mapped physical terrains. They determined the height of points of interest and identified the baseline, their elevation from sea level.

Today, it is about having the ability to see, describe, and navigate. Finding the curve.

In the innovation economy, even those who define their own territory are not isolated entities. Nothing happens in a vacuum - we riff, we react, and we reverberate with those around us, unified by common but differentiated goals.

Having the right vantage point means seeing things others cannot.

Benchmarking introduces objectivity to innovation, invention and intellectual property measurement — a panoramic view for placing efforts, intelligently. Organizations can find strengths to invest in, or double down on, and identify weaknesses to correct.

Benchmarking reinforces the telling R&D and IP value story. It reframes the narrative.

Which research programs provide competitive advantage? Where are you likely to need partners? In the modern innovation ecosystem, where is the pinpointed risk?

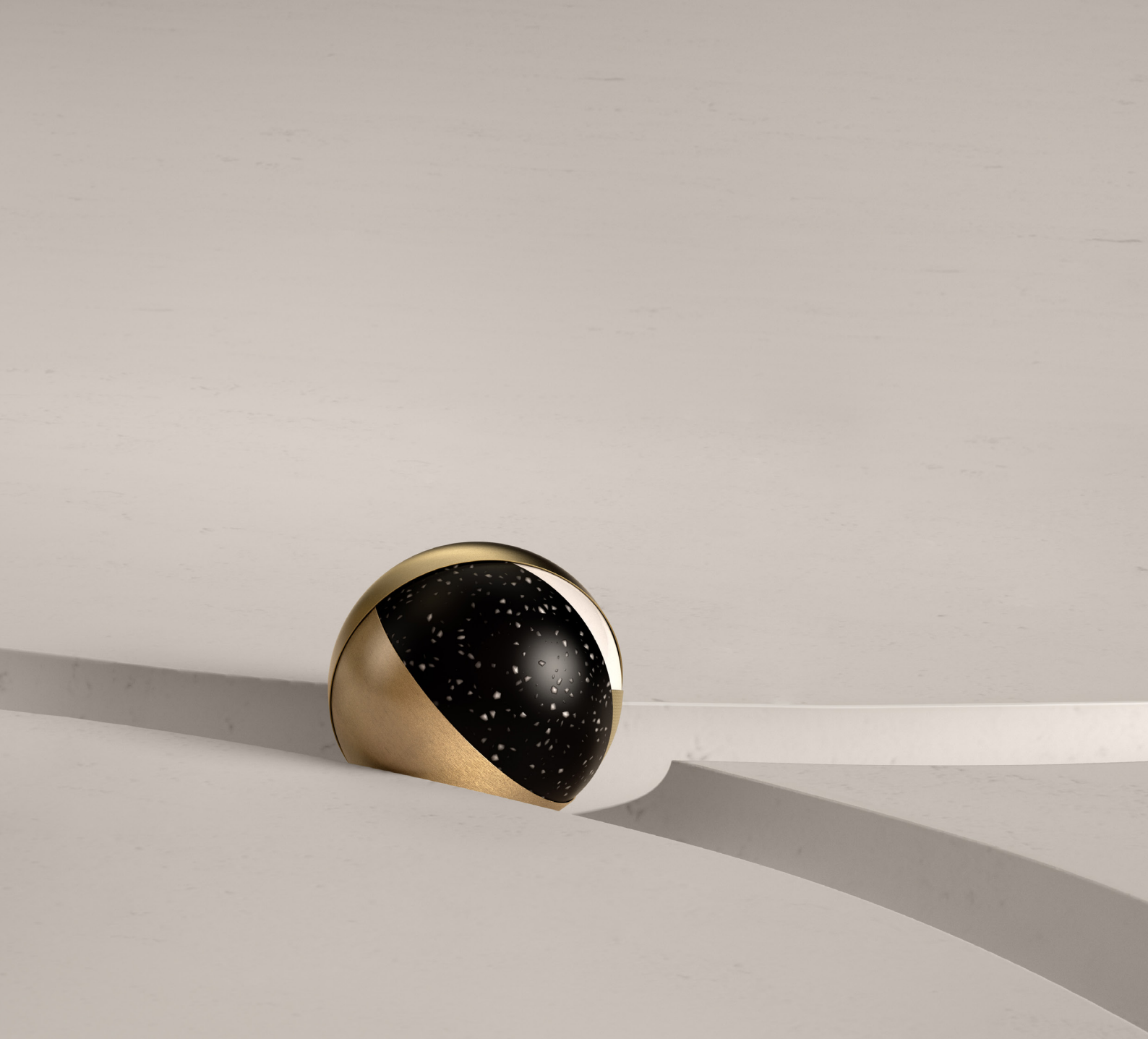
Which innovators – in your or other industries – should you be watching?

With comparables, the cause and effect of people, policy, and practice come into focus.

The moves become obvious.

That is where we find the effect of difference.

At Clarivate, we aim to provide the guidance and the clarity to understand and take advantage of the complex. This is our Think forward™ promise — connecting you to intelligence you can trust to ensure an IP-empowered tomorrow. To understand more about how to leverage performance benchmarking based on the techniques, information and expertise in Top 100, contact experts at the Clarivate Center for IP and Innovation Research today: clarivate.com/top-100-innovators/contact-us



Will your next move **be decisive?**

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About Clarivate

Clarivate is a leading global information services provider. We help people and organizations think forward by connecting them to intelligence they can trust to transform their perspective, their work and our world. We are the partner law firms and companies rely on to transform the way they create, manage and protect intellectual property. Our comprehensive intellectual property data, software and expertise helps companies drive innovation, law firms achieve practice excellence, and organizations worldwide effectively manage and protect critical IP assets. Clarivate is home to Derwent Innovation™, CompuMark™, Innography™, Darts-ip™, IPfolio™, FoundationIP ™ and other leading IP solutions.

About the Clarivate Center for IP and Innovation Research™

Combining more than 60 years of intellectual property experience, the Clarivate Center for IP and Innovation Research empowers organizations worldwide to excel by providing expert guidance grounded in pioneering benchmarks and data-driven insights. Bringing together senior practitioners, consultants and data analysts, the Center performs research to establish and disseminate benchmarks that guide management and strategy. It works with legal, IP and innovation leaders to optimize IP operations and technology and improve IP decision-making, supported by industry-leading data, analytics and proven practices.

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