



POLAND



Population: 38,420,687 | GDP: \$1.126 trillion | Language: Polish | Unicorns 2009-2018: 0



What did Poland do right?

Recent amendments to road traffic laws allow for self-driving vehicle testing, which improved the country's grade in the category to an A from an F. The country more than doubled its new business entry rate to 1.66 per 1,000 people and saw 36.2 percent of graduates earning STEM degrees.



What can Poland do better?

Poland can throw more support behind domestic entrepreneurial activity and promote increase its national R&D investment. Also, the country can ease regulations to encourage drone-focused innovation and reverse the drop in its Drones grade from a B to a C.

KEY TAKEAWAYS



A returning Innovation Leader, Poland is seeking help from beyond its borders to jumpstart its tech sector.

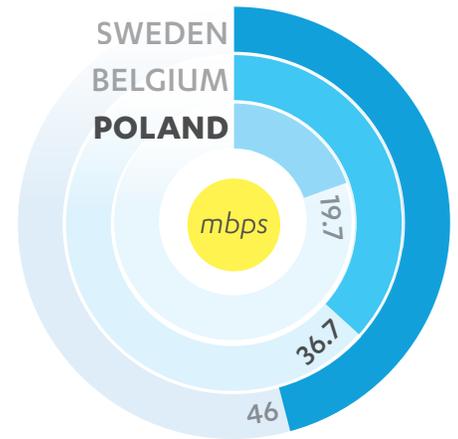
The country's annual new business entry rate is fewer than two per 1,000 people, a lackluster figure which Polish leaders acknowledge needs improvement. To spark new business creation, the Ministry of Technology and Entrepreneurship launched a corporate innovation program in partnership with Israel, a 2019 Scorecard Innovation Champion. The 10-month accelerator program will support startups in both countries.

Poland's approach toward emerging technologies is a bright spot for the country. Under Polish transportation law, which has been amended as recently as January 2018 to keep pace with emerging technology, self-driving vehicles can be tested on public roadways as long as a human driver is present for backup.

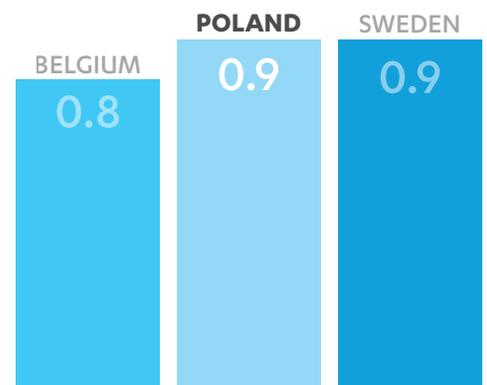
The country is similarly bullish on drones, supporting innovation through initiatives such as Zwirko i Wigura, a program to collect and centralize drone-collected data.

Sources: (Jerusalem Post) (EU)

Mean Download Speed (Fixed & Mobile)



Fixed Broadband Cost Per Month



Shown as a percentage of gross monthly income per capita



Short-Term Rentals

Short-term rentals are legal throughout the country with little regulation and minimal tax requirements. Poland's grade increased to an A from a B in 2018.



Tax Friendliness

Streaming services are subject to tax. The corporate tax rate is 19 percent and the top individual tax rate is 32 percent.



Resilience

Poland has low levels of political risk, is resistant to oil shocks and has buildings equipped to protect against natural hazards.



Broadband

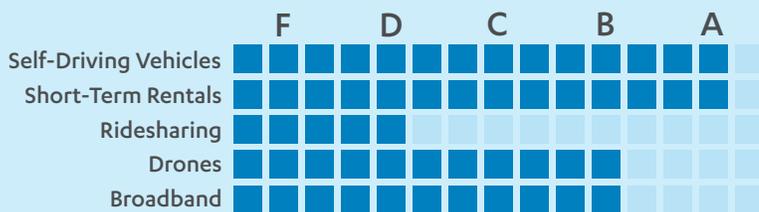
The mean download speed of fixed and mobile internet is above average at 19.7 Mbps. The monthly cost of fixed broadband is 0.90 percent of GNI per capita, and prepaid mobile broadband is 0.10 percent of GNI per capita.



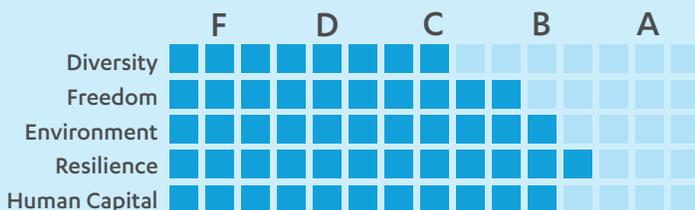
Human Capital

37.5 percent of Poland's workers are highly skilled, and the country awarded 36.2 percent of its college degrees in STEM fields. Poland's grade increased to a B this year, from a B- in 2018.

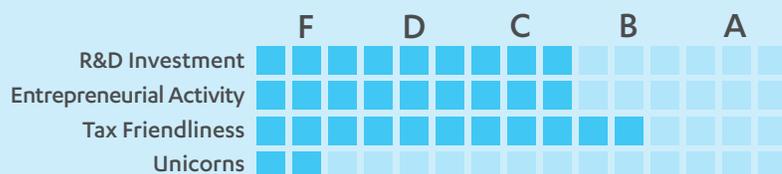
Technology



Society



Economy



ABOUT THE SCORECARD

With the 2019 International Innovation Scorecard, the Consumer Technology Association expands the report in breadth and depth, adding 23 new countries and two new categories. In this second edition, we evaluate 61 countries and the European Union across 28 indicators to determine whether they stifle progress or fuel the fires of innovation.

Each country on the Scorecard ranks in one of four tiers: Innovation Champions excel in almost all areas, followed by Innovation Leaders, which earn high scores in most. Behind the Leaders are Innovation Adopters, which promote innovation in some areas but not others. Finally, Modest Innovators may support innovation in one or more areas, but they show the greatest room for improvement.

ABOUT CTA

The Consumer Technology Association (CTA)[™] is the preeminent trade organization representing the \$398 billion U.S. consumer technology industry, which supports more than 15 million jobs. CTA serves over 2,200 companies, ranging from the startups and small businesses that make up 80 percent of its membership to some of the world's best-known brands. CTA also owns and produces CES[®], the world's premier gathering for consumer technology and the innovators who turn today's dreams into tomorrow's realities. Profits from CES are reinvested into CTA's industry services.

CONTACTS

Izzy Santa
Director, Strategic Communications
isanta@cta.tech

Bronwyn Flores
Specialist, Policy Communications
bflores@cta.tech

- @ConsumerTechnologyAssociation
- Consumer Technology Association
- @CTA
- @CTATech