

# Arizona

## A haven for self-driving vehicles

Arizona, once again an Innovation Champion after a brief hiatus last year, has opened its roads to self-driving vehicles. Waymo, Google's self-driving vehicle unit, was the first to begin testing, in the Phoenix suburb of Chandler in November 2017.

Intel, which also tests self-driving vehicles in the state, plans to expand there. In 2017, the company announced Fab 42, a \$7 billion semiconductor factory in Chandler that will build processors for data centers and connected devices. The highly advanced factory is expected to create 10,000 new jobs.

The growth of self-driving vehicles in Arizona is the result of a concerted approach by state authorities. In 2015, Governor Doug Ducey signed an executive order setting safety rules and other guidelines for self-driving vehicle testing. Since then, the Grand Canyon State has welcomed more than 600 of the vehicles on public roads.

Three years later, Ducey recommitted to keeping the state on top as a nationwide hub for self-driving tech. The governor signed another executive order in March 2018 clarifying that SDVs can operate without a driver on public roads as long as they can adhere to all traffic laws. The newest order is an effort, Ducey said, to keep policies and state priorities on pace with technological advancements.

Sources: (NYT) (NYT) (Arizona Republic) (Phoenix Business Journal) (Safe Roads) (AZ DOT)

## WHAT DID WE DO RIGHT?

Arizona is largely open to the testing of self-driving vehicles on public roads, and also allows drones to operate without excessive rules.

## WHAT CAN WE DO BETTER NEXT YEAR?

Arizona's low rate of job creation leaves it with room for improvement in Entrepreneurial Activity.

## WHERE HAVE WE MOST IMPROVED?

More than 60 percent of Arizona households have internet connections of at least 10 mbps, and over half meet the standard of 25 mbps.

Best & Brightest	B
Fast Internet	B
Grants Advanced Degrees	B
Tech Workforce	B-
Tax Friendly	B
Attracts Investment	B
Entrepreneurial Activity	D
Ridesharing	A
Short-Term Rentals	A
Sustainable Policies	B
Self-Driving Vehicles	A
Drones	A



### Grants Advanced Degrees

More than 10 percent of people over the age of 24 have an advanced degree, a step above most other states.



### Attracts Investment

Venture capital investment reached \$24.49 per capita and R&D spending topped out at more than \$795 per capita.



### Tech Workforce

With more than 251,000 tech jobs, the tech workforce in Arizona accounts for more than 36 jobs per 1,000 people.



## Fast Internet

More than 60 percent of Arizona households have access to internet connections of at least 10 mbps, and 51 percent enjoy speeds of 25 mbps or more.

## Building a Big Factory to Make a Smaller Chip – and Create Thousands of New Jobs

The Phoenix metro area is welcoming a rush of new tech jobs.

Amazon is revamping its 10-year-old fulfillment center and opening a new facility, adding 1,000 new jobs in the process. The company already counts 6,000 Arizona workers spread throughout four fulfillment centers on its payroll.

In Chandler, Intel will boost jobs with the long-awaited completion of its semiconductor factory Fab 42. The company plans to invest \$7 billion on the facility and create 3,000 high-tech jobs over the next several years. Once it opens, Fab 42 will add an estimated 10,000 long-term jobs.

Chandler will also welcome expansions by Liberty Mutual Insurance, which will add 750 jobs to a new office in 2019, with expectations to add another 250 jobs to its workforce in the future.

The city will also welcome Wells Fargo, which will add over 1,000 new jobs with new office space in the city.

PHOTO CREDIT: Intel | Sources: (Arizona Central) (Phoenix Business Journal) (AZ Big Media)

