

# Magnetic centers

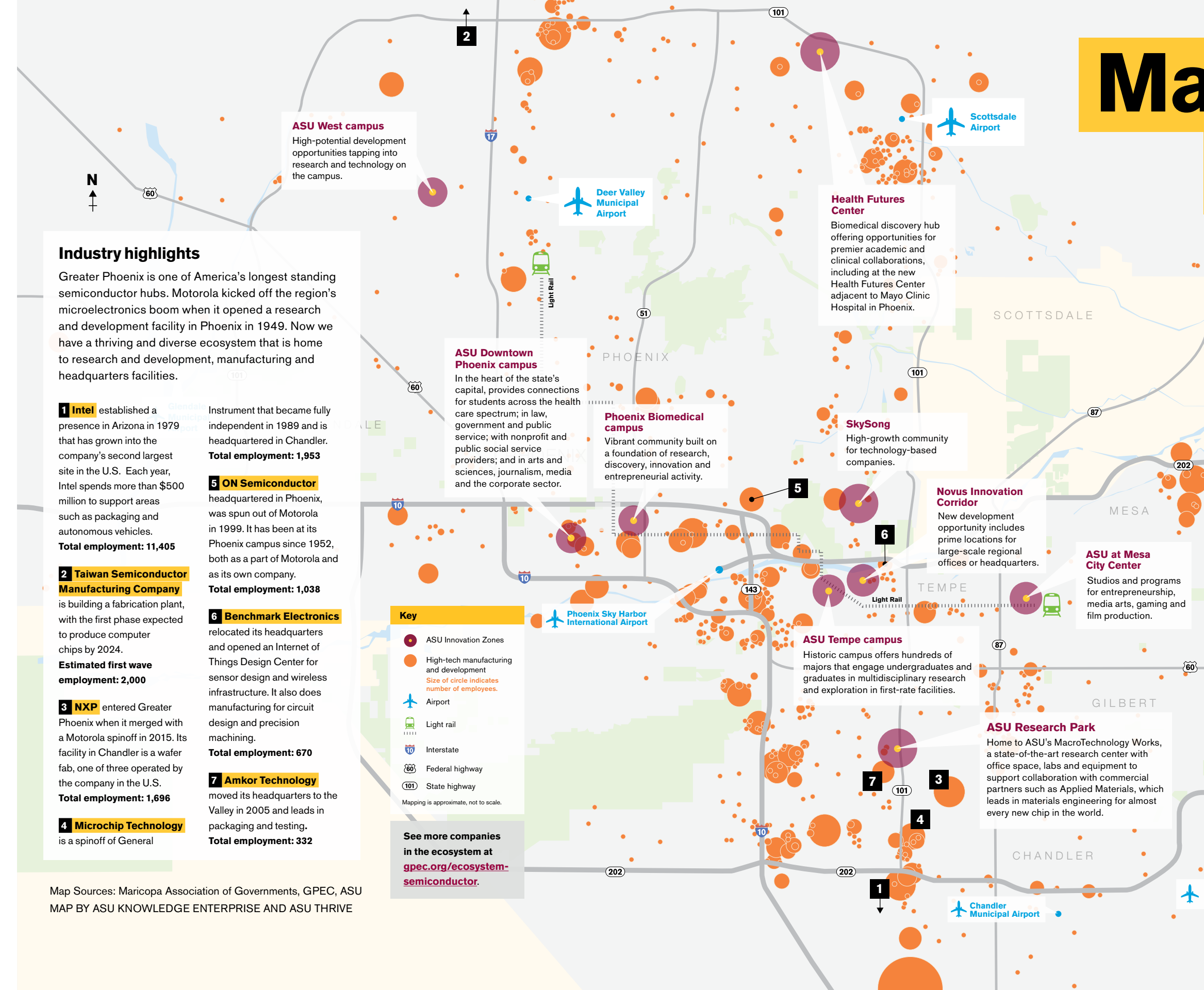
## Research and business alignments lure (and spur) jobs creators

Generating high-paying clusters of jobs in the Greater Phoenix region takes planning — sometimes over decades. ASU; the Greater Phoenix Economic Council; city councils, chambers of commerce and mayors; the legislature; homegrown industries and local startups all make it happen.

More than 2,800 Arizona-based advanced manufacturers directly create more than 138,000 high-paying jobs, according to GPEC, with many more businesses and jobs generated in downstream industries. Bringing together vibrant economic ecosystems requires prime conditions purposefully designed. Big multinational companies and research universities like ASU act as magnetic centers, producing and attracting skilled workers that create conditions for companies — big and small — to thrive.

Learn more at [innovationzones.asu.edu](http://innovationzones.asu.edu).

**ASU Polytechnic campus and ASU Polytechnic Innovation Zone**  
Lab and major specialties include engineering and other technical expertise, this campus is ideal for advanced manufacturing, aviation and alternative energy.



**Key**

- ASU Innovation Zones
- High-tech manufacturing and development  
Size of circle indicates number of employees.
- Airport
- Light rail
- Interstate
- Federal highway
- State highway

Mapping is approximate, not to scale.

See more companies in the ecosystem at [gpec.org/ecosystem-semiconductor](http://gpec.org/ecosystem-semiconductor).

## Industry highlights

Greater Phoenix is one of America's longest standing semiconductor hubs. Motorola kicked off the region's microelectronics boom when it opened a research and development facility in Phoenix in 1949. Now we have a thriving and diverse ecosystem that is home to research and development, manufacturing and headquarters facilities.

**1 Intel** established a presence in Arizona in 1979 that has grown into the company's second largest site in the U.S. Each year, Intel spends more than \$500 million to support areas such as packaging and autonomous vehicles.  
**Total employment: 11,405**

**2 Taiwan Semiconductor Manufacturing Company** is building a fabrication plant, with the first phase expected to produce computer chips by 2024.  
**Estimated first wave employment: 2,000**

**3 NXP** entered Greater Phoenix when it merged with a Motorola spinoff in 2015. Its facility in Chandler is a wafer fab, one of three operated by the company in the U.S.  
**Total employment: 1,696**

**4 Microchip Technology** is a spinoff of General Instrument that became fully independent in 1989 and is headquartered in Chandler.  
**Total employment: 1,953**

**5 ON Semiconductor** headquartered in Phoenix, was spun out of Motorola in 1999. It has been at its Phoenix campus since 1952, both as a part of Motorola and as its own company.  
**Total employment: 1,038**

**6 Benchmark Electronics** relocated its headquarters and opened an Internet of Things Design Center for sensor design and wireless infrastructure. It also does manufacturing for circuit design and precision machining.  
**Total employment: 670**

**7 Amkor Technology** moved its headquarters to the Valley in 2005 and leads in packaging and testing.  
**Total employment: 332**

Map Sources: Maricopa Association of Governments, GPEC, ASU  
MAP BY ASU KNOWLEDGE ENTERPRISE AND ASU THRIVE