



# New Hampshire

## The Silicon Millyard puts New Hampshire on the high-tech map

The same spaces that once housed thousands of textile workers in Manchester are now attracting a new kind of talent — tech companies. Once a global textile capital, the Manchester Millyard is now home to dozens of tech operations, including Texas Instruments and Autodesk, a 3-D graphics software company. Located a short distance from Harvard, MIT and Dartmouth, the “Silicon Millyard” has attracted both corporate giants and small companies looking to grow.

Manchester is also benefiting from its proximity to Massachusetts tech hubs in Boston and Cambridge, and a relatively low cost of living and real estate. Companies ranging from 3D modelers to biotech firms are giving the city a closer look.

“We saw the writing on the wall, with the outer Boston suburbs being unsustainable and all these tech companies moving downtown and overfishing the pool of talent,” said Jeremy Hitchcock, founder of Dyn, one of Manchester Millyard’s newest residents. Since two New Hampshire natives founded the company — which monitors internet performance for global brands including Twitter, Netflix and Pfizer — in 2014 with only a handful of employees, Dyn has grown to employ 350 people and was acquired by Oracle in 2016.

The Department of Defense also recently chose the Manchester area for an \$80-million, five-year project to create a development center for biofabrication of human tissue. Once it’s operational, the Advanced Regenerative Manufacturing Institute could bring in as much as \$200 million in investments from companies, educational institutions and other partners.

Sources: (Politico) (NYT) (Oracle) (ARMI)

### WHAT DID WE DO RIGHT?

Nearly 80 percent of households enjoy internet speeds of at least 10 mbps, and 69 percent have broadband.

### WHAT CAN WE DO BETTER NEXT YEAR?

The state protects workers from discrimination based on sexual orientation but should enact protections against gender identity discrimination. That, along with a Right-to-Work law, would improve its ‘D+’ in Best & Brightest.

### WHERE HAVE WE MOST IMPROVED?

The state passed a law limiting rules local governments can impose on short-term rentals.

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



### Attracts Investment

The state attracted nearly \$39 per capita in venture capital and invested an impressive \$1,447.41 per capita in R&D.



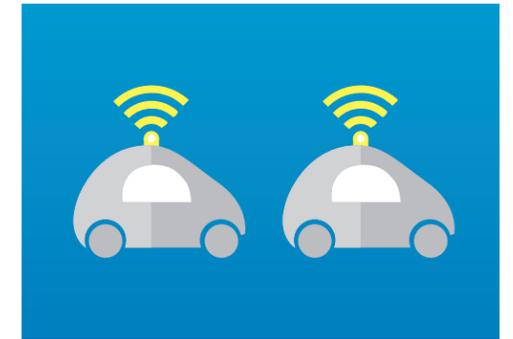
### Entrepreneurial Activity

New Hampshire businesses added about 66 new jobs per 1,000 residents from Q2/2011 to Q4/2016, for a total of 88,105 jobs.



### Tech Workforce

Tech jobs account for nearly 44 jobs per 1,000 people, a ratio higher than most neighboring states.



## Self-Driving Vehicles

State regulations allow self-driving vehicles to operate under NHTSA guidelines.

## STEM Subjects Take Flight in New Hampshire as Students Use Drones to Learn Them

Nashua High School North students can look forward to flying drones for class credit.

Thanks to a \$10,000 grant from the state Department of Education, the Girls in STEAM class pairs STEM instruction with the arts, attracting students who might not otherwise be drawn to the subjects and teaching them how to use drones for aerial photography and video. Despite the name, the class is open to students of both genders.

In the class, which is currently a pilot program, students will learn the skills needed to pass the FAA exam for remote pilot certification. If the trial run succeeds, it will be implemented as a full class at both Nashua High School North and Nashua High School South in the fall of 2019.

“The drones are a new technology that offer new kinds of career opportunities,” said Rick Spitz, owner of SI Drones, which will partner with the campus to launch the class. “We believe this might be the first school in the state to offer a full-blown course rather than summer seminars or camps involving drones.”

PHOTO CREDIT: John Phelan, Wikimedia Commons | Sources: (Union Leader)

