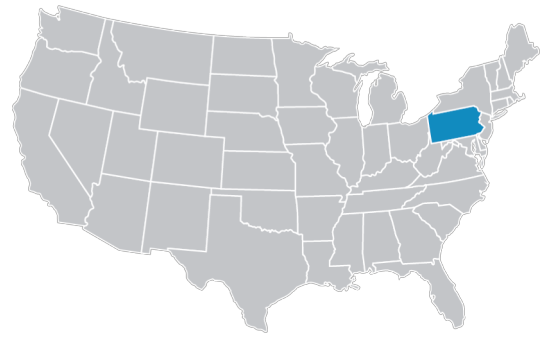


Pennsylvania

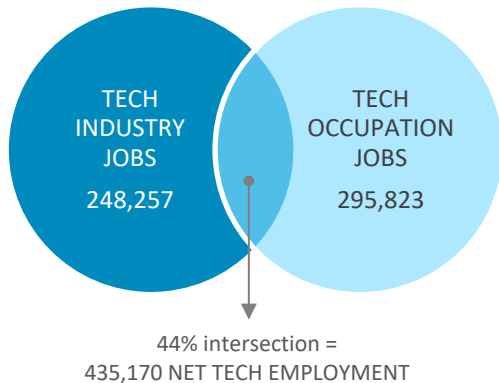


STATE OF TECHNOLOGY SUMMARY

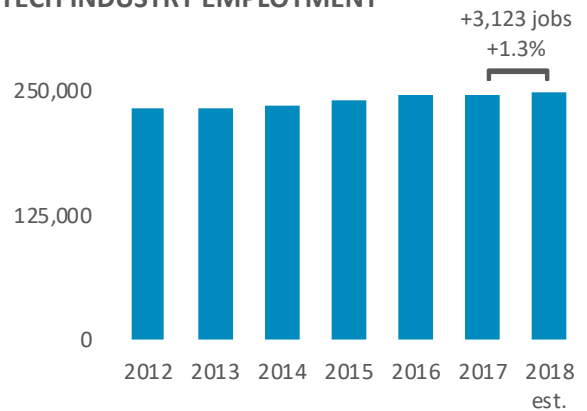
- 435,170 NET TECH EMPLOYMENT¹
- 6,215 NET TECH JOB GAINS [2018 vs. 2017]
- 1.4% YOY % CHANGE IN NET TECH EMPLOYMENT
- 7.0% NET EMPLOYMENT AS A % OF OVERALL WORKFORCE
- 17,021 TECH BUSINESS ESTABLISHMENTS [firms with payroll]
- 116,630 TECH OCCUPATION JOB POSTINGS [2018 total]
- 70% EMERGING TECH JOB POSTINGS % CHANGE [2018 vs. 2017]

- 7th NET TECH EMPLOYMENT RANK
- 13th NET TECH EMPLOYMENT JOBS ADDED RANK
- 12th INNOVATION SCORE RANK

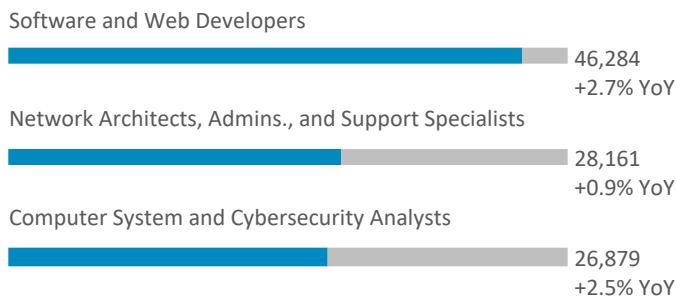
¹net of tech industry + tech occupation + self-employed [see methodology for details]



TECH INDUSTRY EMPLOYMENT



LEADING TECH OCCUPATION CATEGORIES



LEADING TECH INDUSTRY SECTORS [by employment]

	2018	YoY % Change
IT Services + Custom Software Services	87,276	1.8%
R&D, Testing, and Engineering Services	81,877	1.6%
Telecommunications and Internet Services	40,763	0.1%
Tech Manufacturing	31,460	-0.2%
Software [packaged]	6,881	5.3%

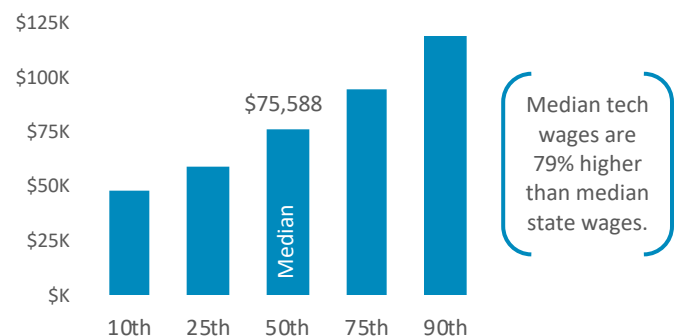
ECONOMIC IMPACT



7.7%

Estimated direct contribution of the tech sector to the Pennsylvania economy: \$53.7 billion

TECH OCCUPATION WAGES [by percentile]



Primary data sources: EMSI | U.S. Bureau of Labor Statistics | U.S. Bureau of Economic Analysis | Burning Glass Technologies Labor Insights. All data are estimates covering the 2018 time period, unless specified as earlier | See Appendix for full methodology and data tables