

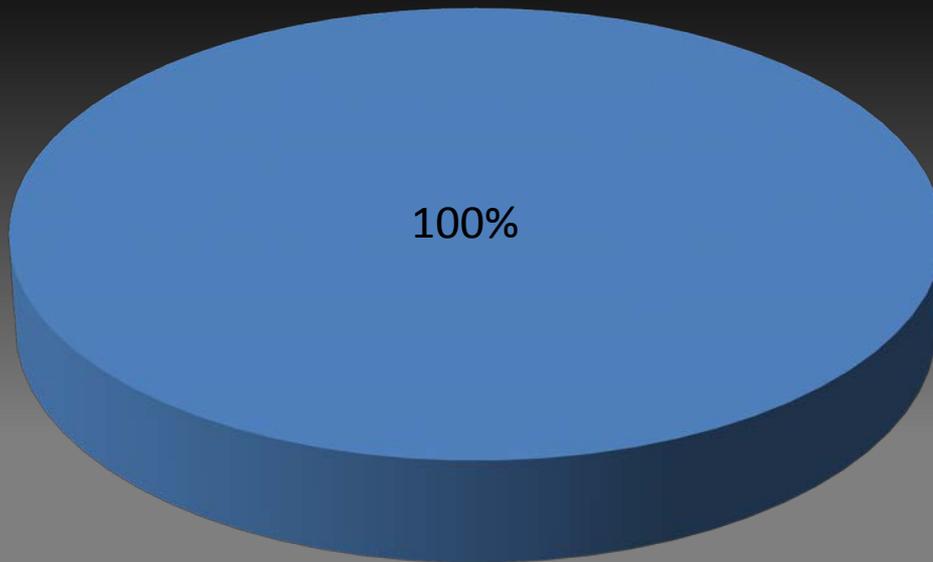


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Labor Market Information
James Henry, Division Director



Alabama Robotics Employment by Industry Sectors



■ Scientific Research and
Development Services

The data above is an annual average consisting of quarter 4 of 2011, and quarters 1, 2, and 3 of 2012.

Source: Quarterly Census of Employment and Wages



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Industry Overview

Sector	Number of Companies	Number Employed
Scientific Research and Development Services	272	5,564

The data above is an annual average consisting of quarter 4 of 2011, and quarters 1, 2, and 3 of 2012.

Source: Quarterly Census of Employment and Wages



Scientific Research and Development Services

5417 Scientific Research and Development Services

This industry group comprises establishments engaged in conducting original investigation undertaken on a systematic basis to gain new knowledge (research) and/or the application of research findings or other scientific knowledge for the creation of new or significantly improved products or processes (experimental development). The industries within this industry group are defined on the basis of the domain of research; that is, on the scientific expertise of the establishment.

272 Companies; 5,564
Employed, 100% of Robotics
Employment

Top 5 Job Categories:

- 11% Electrical Engineers
- 10% Industrial Engineers
- 9% Aerospace Engineers
- 8% Secretaries, Except Legal, Medical, and Executive
- 5% Computer and Information Systems Managers

# of Employees	% of Companies
1-49	92%
50-99	4%
100-249	2%
250+	2%

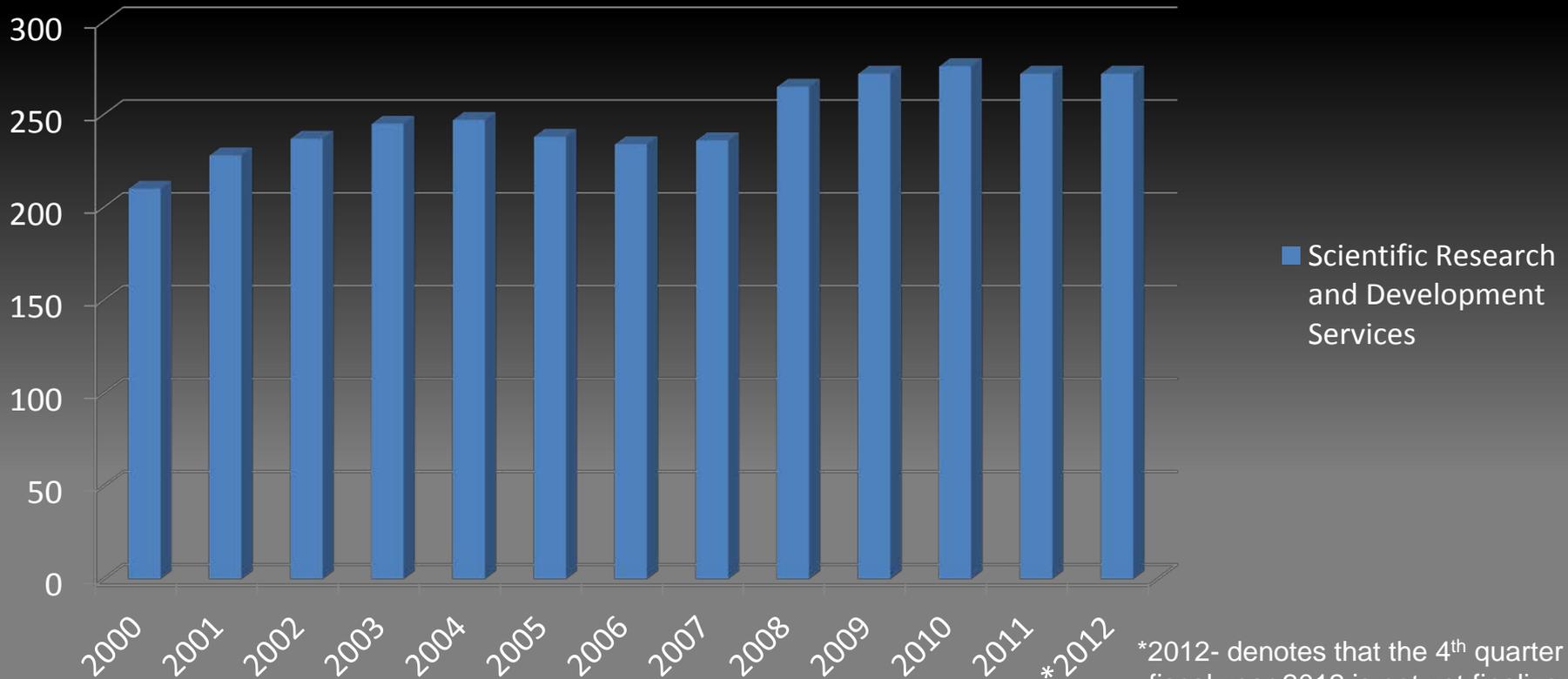
The data above is derived from a report from September 2012

Source: 2012 release of the Occupational Employment Statistics Report (OES) in cooperation with the Bureau of Labor Statistics. Wage data aged using latest Employment Cost Index (ECI) factors.



Development of Alabama's Robotics Industry by Company

Scientific Research and Development Services



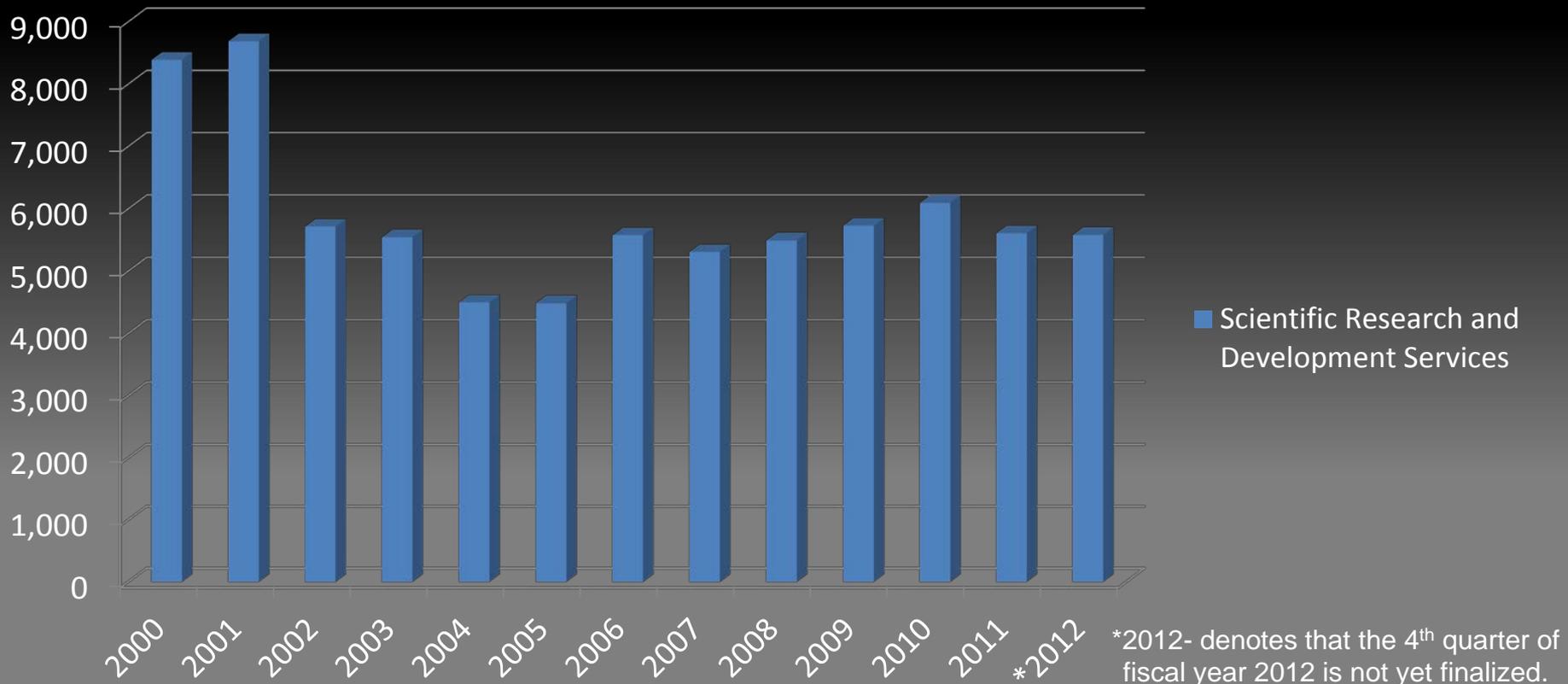
*Y-axis annotates the number of companies by intervals of 50.

*2012- denotes that the 4th quarter of fiscal year 2012 is not yet finalized.



Development of Alabama's Robotics Industry by Employed

Scientific Research and Development Services



*Y-axis annotates the number employed by intervals of 1000.



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Top Job Categories for Robotics

Job Category	Number of Jobs	Percent of Total
Electrical Engineers	220	11%
Industrial Engineers	200	10%
Aerospace Engineers	190	9%
Secretaries, Except Legal, Medical, and Executive	160	8%
Computer and Information Systems Managers	100	5%
General and Operations Managers	80	4%
Electronics Engineers, Except Computer	80	4%
Accountants and Auditors	70	3%
Other	860	46%

Source: 2012 release of the Occupational Employment Statistics Report (OES) in cooperation with the Bureau of Labor Statistics. Wage data aged using latest Employment Cost Index (ECI) factors.



Wage Information

Top 10 by Rounded Occupational Employment

Soc. Title	Round Emp.	Mean	Mean Ann.	Entry	Entry Ann.	Exp.	Exp. Ann.
Electrical Engineers	220	\$54.45	\$113,265	\$35.36	\$73,540	\$64.00	\$133,122
Industrial Engineers	200	\$48.82	\$101,537	\$36.48	\$75,871	\$54.98	\$114,360
Aerospace Engineers	190	\$46.65	\$97,036	\$32.35	\$67,286	\$53.80	\$11,917
Secretaries, Except Legal, Medical, and Executive	160	\$19.37	\$40,283	\$14.07	\$29,264	\$22.02	\$45,797
Computer and Information Systems Managers	100	\$65.49	\$136,206	\$53.01	\$110,252	\$71.72	\$149,178
General and Operations Managers	80	\$79.57	\$165,494	\$47.56	\$98,936	\$95.56	\$198,178
Electronics Engineers, Except Computer	80	\$51.83	\$107,791	\$35.61	\$74,067	\$59.93	\$124,648
Accountants and Auditors	70	\$30.77	\$64,001	\$21.86	\$45,482	\$35.22	\$73,265
Budget Analysts	70	\$34.78	\$72,356	\$24.86	\$51,726	\$39.75	\$82,681
Environmental Scientists and Specialists, Including Health	70	\$36.10	\$75,071	\$24.90	\$51,787	\$41.69	\$86,707

* Wage information rounded to the nearest whole dollars

Source: 2012 release of the Occupational Employment Statistics Report (OES) in cooperation with the Bureau of Labor Statistics. Wage data aged using latest Employment Cost Index (ECI) factors.



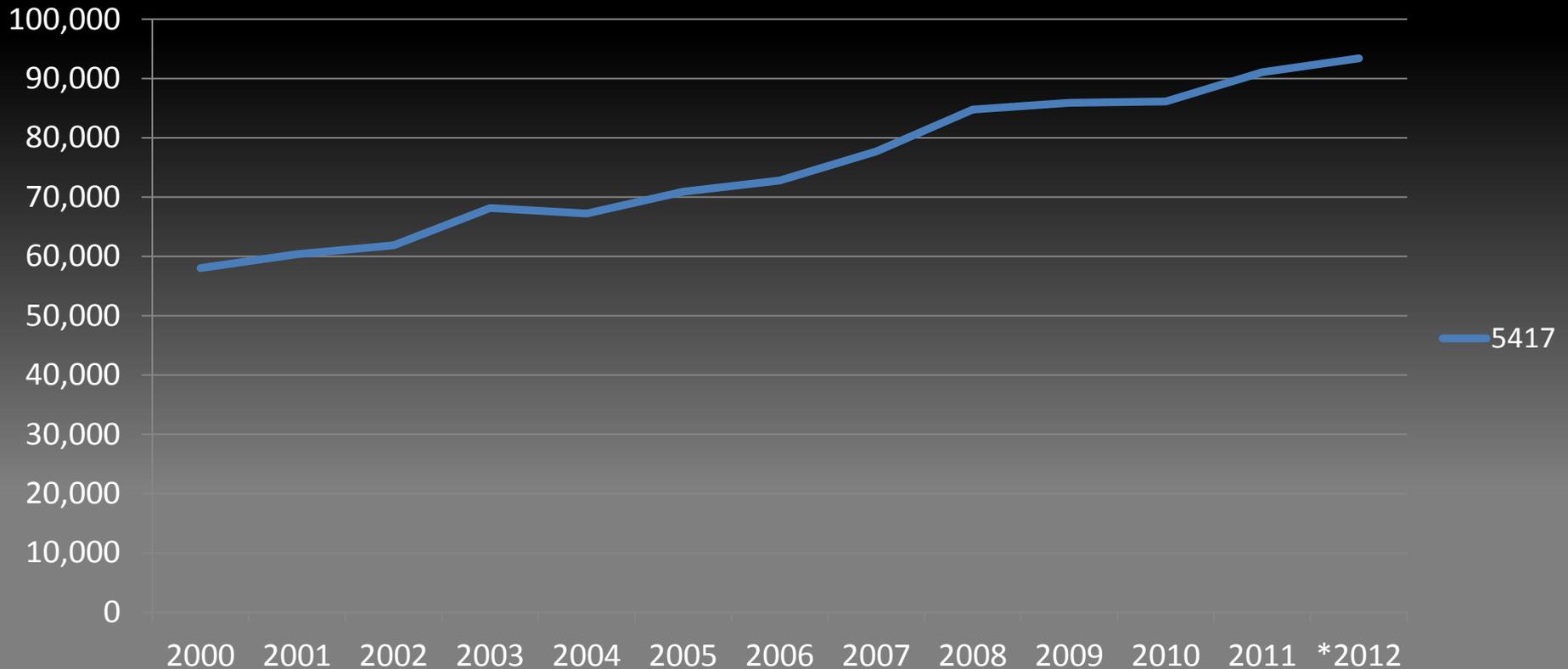
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Wage Information

Total Wages by NAICS Code from 2000-2012



*2012- denotes that the 4th quarter of fiscal year 2012 is not yet finalized.

Source: Quarterly Census of Employment and Wages



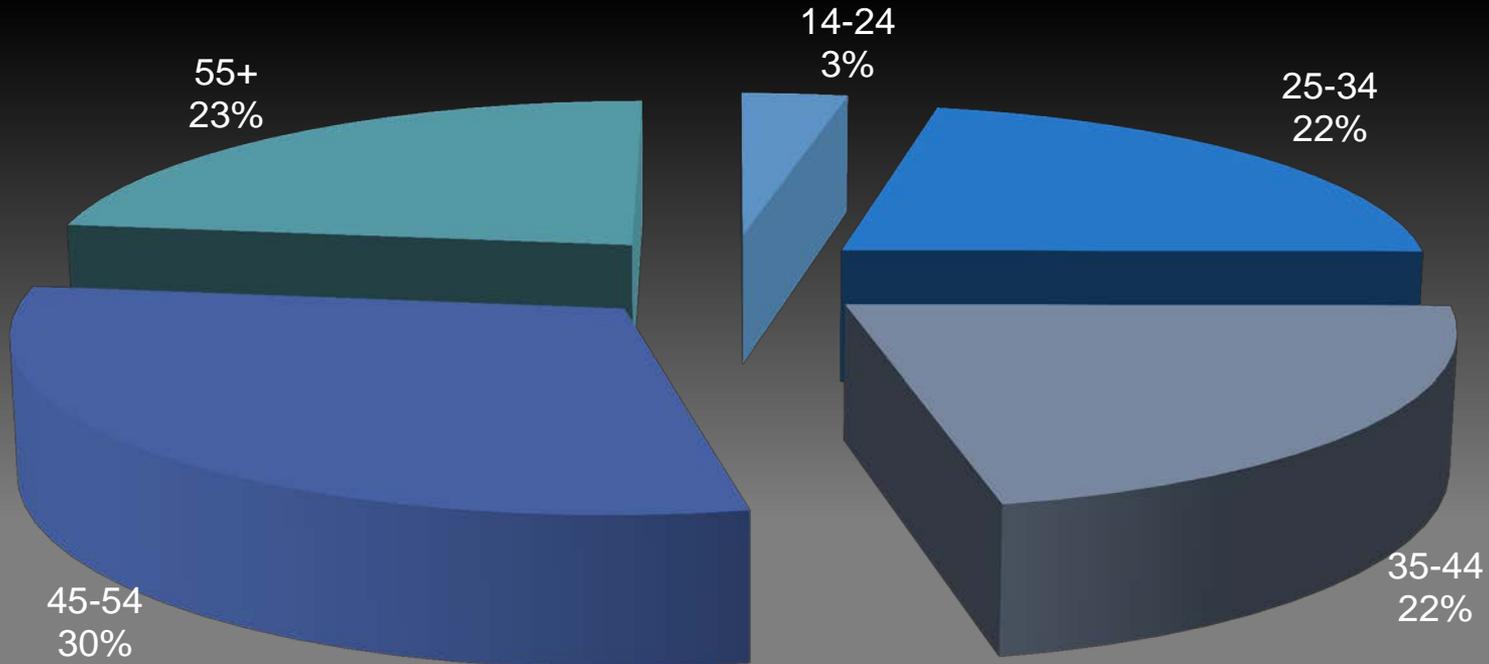
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5417: Scientific Research and Development Services

Average Annual Employment by Age Group



The data above is an annual average consisting of quarter 4 of 2011, and quarters 1, 2, and 3 of 2012.

Source: Partnership between the AL Dept. of Labor, Labor Market Information Division and the US Census Bureau, Longitudinal Employment-Household Dynamics (LED) Program, Quarterly Workforce Indicators (QWI) data.



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5417: Scientific Research and Development Services

Average Turnover Rate	Avg. Job Gains	Avg. Net Job Flows	Avg. Monthly Earnings	Avg. Monthly Earnings New Hires
5.4%	139	8	\$7,156	\$6,026

The data above is an annual average consisting of quarter 4 of 2011, and quarters 1, 2, and 3 of 2012.

Source: Partnership between the AL Dept. of Labor, Labor Market Information Division and the US Census Bureau, Longitudinal Employment-Household Dynamics (LED) Program, Quarterly Workforce Indicators (QWI) data.



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Projection Information From 2010 to 2020 by NAICS Code

NAICS	Industry	2010	2020	Net Change	Percent Change	Avg. Ann. Growth	US Avg. Ann. Growth	Location Quotient
5417	Scientific Research and Development Services	6,080	6,750	670	11.03	1.05	1.13	0.62



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Major Robotics Regions

Robotics Industry Maps:

Statewide

- Workforce Development Region [1](#)
- Workforce Development Region [2](#)
- Workforce Development Region [3](#)
- Workforce Development Region [4](#)
- Workforce Development Region [5](#)
- Workforce Development Region [6](#)
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- Workforce Development Region [8](#)
- Workforce Development Region [9](#)
- Workforce Development Region [10](#)