

California, MD

Advanced industries employ

8,190

full-time workers. (2013)

These direct jobs supports an additional

6,550

indirect jobs in other industries in the region.

Advanced industries produce

\$1.3

billion dollars in output in the region.
(2013, 2005 Chained)

Advanced industries pay, on average

\$99,130

dollars per year (2013).

Advanced industries directly account for

20.7%

of all jobs in the region.

This employment share is

#6

among all small metros.

This accounts for

25.8%

of all output in the region (2013).

This compares to average pay of

\$76,210

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

OUTPUT

3.8%

-3.0%

California, MD

U.S.

-2.5%

California, MD

U.S.

What are Advanced Industries?

The Metropolitan Policy Program at Brookings defines advanced industries as those that: 1) Spend at least \$450 per worker per year on R&D and 2) employ at least 20 percent of their workforce in STEM-intensive occupations. The definition identifies 50 4-digit NAICS industries across the manufacturing, energy, and services sectors that together constitute the advanced industries super-sector.

Why do Advanced Industries Matter?

Advanced industries encompass the nation's "tech" sector at its broadest and most consequential. They represent a sizable economic anchor for the U.S. economy and have led the post-recession employment recovery. Their competitiveness and growth are prerequisites for any future broadly shared prosperity. As such, the sector encompasses the country's best shot at supporting innovative, inclusive, and sustainable growth. Advanced industries are present in nearly every U.S. region, but the sector's geography is uneven.

For More Information

VIEW THE FULL REPORT

www.brookings.edu/advancedindustries

SEE THE INTERACTIVE

www.brookings.edu/advancedindustries

FOLLOW US ON TWITTER

@BrookingsMetro | @MarkMuro1 | #AdvIndustries

DATA NOTES

All figures reflect Brookings analysis of data from Moody's Analytics.

California, MD

Twenty-Five Largest Advanced Industries (2013)

Industry 4-Digit NAICS Code	Industry Title	Industry Employment (2013)	Industry Location Quotient (LQ) † 2013	Industry Share of Total Advanced Industries Employment (2013)	Industry Employment Annual Growth 2010-2013	Industry Share of Total Advanced Industries Output (2013)	Industry Output Annual Growth 2010-2013
5413	Architecture & Engineering	3,650	9.75	44.6%	-4.4%	36.9%	-3.7%
5415	Computer Systems Design	1,690	3.57	20.6%	-3.3%	21.8%	-2.9%
5416	Management Consulting	1,450	4.41	17.8%	6.0%	16.5%	3.2%
5417	R&D Services	980	5.58	12.0%	-8.1%	14.3%	-5.4%
2211	Power Generation & Supply	130	1.14	1.5%	0.8%	5.2%	-1.2%
3345	Precision Instruments	70	0.62	0.8%	-5.7%	0.7%	-4.0%
3364	Aircraft Products & Parts	30	0.25	0.4%	-2.8%	0.8%	0.5%
3363	Motor Vehicle Parts	30	0.23	0.4%	-2.9%	0.1%	8.9%
3346	Magnetic & Optical Media	30	4.69	0.3%	-2.5%	0.9%	-1.5%
3254	Pharmaceuticals	20	0.27	0.3%	-3.0%	1.1%	0.2%
3391	Medical Equipment & Supplies	20	0.19	0.2%	4.6%	0.1%	2.1%
5112	Software Products	20	0.19	0.2%	-17.0%	0.5%	-7.0%
5191	Web Search Portals and Internet Publishing	10	0.20	0.1%	11.2%	0.2%	15.5%
3399	Misc. Manufacturing	10	0.12	0.1%	14.5%	0.1%	21.5%
3271	Clay Product and Refractory Manufacturing	10	0.55	0.1%	-9.1%	0.1%	-7.1%
3259	Misc. Chemicals	10	0.22	0.1%	0.0%	0.1%	-4.4%
3311	Iron & Steel Products	10	0.20	0.1%	-5.9%	0.0%	-27.1%
3353	Electrical Equipment	10	0.13	0.1%	0.0%	0.0%	-13.9%
5179	Other telecommunications	10	0.21	0.1%	0.0%	0.3%	-3.5%
3362	Motor Vehicle Body & Trailers	-	0.11	0.0%	0.0%	0.0%	40.3%
5182	Data Processing & Hosting	-	0.05	0.0%	10.1%	0.1%	11.5%
6215	Medical and Diagnostic Laboratories	-	0.06	0.0%	10.1%	0.0%	-2.2%
3251	Basic Chemicals	-	0.08	0.0%	0.0%	0.1%	-12.4%
3241	Petroleum & Coal Products	-	0.06	0.0%	-12.6%	0.1%	-9.2%
5172	Wireless Telecom Carriers	-	0.05	0.0%	0.0%	0.1%	22.6%
Advanced industries manufacturing		240	0.16	3.0%	-3.1%	4.2%	-1.3%
Advanced industries energy		130	0.71	1.5%	0.8%	5.2%	-1.2%
Advanced industries services		7,820	4.54	95.5%	-3.1%	90.6%	-2.6%
ADVANCED INDUSTRIES TOTAL		8,190	2.39	100.0%	-3.0%	100.0%	-2.5%

† Location quotients are a measure of specialization for an industry using employment. A LQ of over 1 indicates that an industry employs more workers, as a share of total employment, than the nation as a whole.