

San Diego, CA

Advanced industries employ

184,759

full-time workers. (2015)

These direct jobs supports an additional

147,810

indirect jobs in other industries in the region.

Advanced industries produce

\$42.1

billion dollars in output in the region.
(2015, 2009 Chained)

Advanced industries pay, on average

\$116,601

dollars per year (2015).

Advanced industries directly account for

12.3%

of all jobs in the region.

This employment share is

#11

among all large metros.

This accounts for

21.4%

of all output in the region (2015).

This compares to average pay of

\$61,462

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

JOB

4.84%
RANK:
#22

2.70%

RANK:
#46

2.46%

2.42%

San Diego, CA

U.S.

San Diego, CA

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.

San Diego, CA

Twenty-Five Largest Advanced Industries (2015)

There are 14 advanced industries in San Diego, CA with LQs over 1.5. LQs over 1.5 indicate specialization †

Industry 4-Digit NAICS Code	Industry Title	Industry Employment (2015)	Industry Location Quotient (LQ) † 2015	Industry Share of Total Advanced Industries Employment (2015)	Industry Employment Annual Growth		Industry Share of Total Advanced Industries Output (2015)	Industry Output Annual Growth	
					2010-2013	2013-2015		2010-2013	2013-2015
5417	R&D Services	33,980	5.03	18.4%	-0.1%	5.5%	17.2%	1.0%	10.8%
5413	Engineering	19,940	1.39	10.8%	1.0%	-1.9%	8.7%	1.2%	4.2%
5416	Management Consulting	19,510	1.49	10.6%	7.0%	0.8%	7.8%	2.6%	5.5%
5415	Computer Systems Design	19,110	0.98	10.3%	3.0%	2.3%	9.2%	4.5%	9.7%
3345	Precision Instruments	11,670	2.86	6.3%	1.6%	4.4%	7.1%	9.9%	4.6%
3364	Aircraft Products & Parts	11,620	2.32	6.3%	9.2%	4.2%	3.6%	1.1%	5.3%
3366	Ships & Boats	7,290	5.31	3.9%	-4.8%	9.9%	1.5%	-8.6%	1.1%
3254	Pharmaceuticals	6,780	2.38	3.7%	4.5%	6.0%	9.2%	6.7%	5.7%
3391	Medical Equipment & Supplies	6,330	2.02	3.4%	1.0%	2.4%	3.0%	-1.1%	6.9%
3344	Semiconductors	5,600	1.49	3.0%	-5.9%	5.5%	3.9%	3.2%	7.3%
6215	Medical and Diagnostic Laboratories	5,120	1.93	2.8%	15.2%	5.9%	0.9%	14.7%	4.0%
3399	Misc. Manufacturing	4,710	1.64	2.5%	0.6%	1.1%	1.5%	-3.0%	2.0%
5112	Software Products	4,180	1.23	2.3%	-0.5%	0.4%	5.8%	2.2%	6.3%
3342	Communications Equipment	3,980	4.41	2.2%	-2.7%	-3.1%	2.8%	3.1%	-3.0%
3341	Computer Equipment	2,510	1.51	1.4%	-3.2%	-1.1%	3.2%	5.3%	5.5%
5172	Wireless Telecom Carriers	2,100	1.53	1.1%	-7.8%	-3.6%	2.6%	-5.2%	8.1%
3333	Commercial & Service Machinery	1,990	2.19	1.1%	-4.5%	5.0%	0.4%	-6.3%	7.6%
5182	Data Processing & Hosting	1,930	0.63	1.0%	2.4%	42.8%	0.8%	-6.7%	39.3%
5152	Cable and Other Subscription Programming	1,710	2.70	0.9%	-5.3%	-7.3%	2.5%	3.2%	-5.2%
5191	Web Search Portals and Internet Publishing	1,680	0.67	0.9%	4.6%	-7.0%	1.5%	15.5%	-14.6%
3343	Audio & Video Equipment	1,490	7.27	0.8%	-5.2%	-11.8%	1.1%	-0.6%	-4.4%
2211	Power Generation & Supply	1,490	0.37	0.8%	16.3%	-18.6%	1.0%	29.0%	-27.1%
3339	General Purpose Machinery	1,410	0.52	0.8%	2.9%	1.4%	0.2%	0.8%	-3.7%
3359	Misc. Electrical Equipment	1,320	0.99	0.7%	-2.3%	-1.1%	0.3%	-6.5%	-1.0%
3332	Industrial Machinery	1,210	1.05	0.7%	15.5%	4.9%	0.3%	15.3%	7.1%
IFG	Advanced industries manufacturing	73,430	1.29	39.7%	0.5%	3.3%	41.2%	3.1%	3.8%
	Advanced industries energy	1,510	0.23	0.8%	16.2%	-18.3%	1.2%	28.7%	-24.1%
	Advanced industries services	109,820	1.61	59.4%	2.0%	2.2%	57.6%	2.0%	6.6%
ADVANCED INDUSTRIES TOTAL		184,760	1.40	100.0%	1.5%	2.4%	100.0%	2.9%	4.8%

† 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.