

Hawaii

Advanced industries employ

23,955

full-time workers. (2015)

These direct jobs supports an additional

19,160

indirect jobs in other industries in the region.

Advanced industries produce

\$4.3

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

Advanced industries pay, on average

\$78,947

dollars per year (2015).

Advanced industries directly account for

3.4%

of all jobs in the region.

This employment share is

#51

among all states.

This accounts for

6.1%

of all output in the region (2015).

This compares to average pay of

\$48,407

for all industries (2015).

Advanced industry annual average growth, 2013-2015

OUTPUT

RANK: **#48**
2.70%

JOBS

RANK: **#43**
2.46%

0.63%

0.01%

Hawaii

U.S.

Hawaii

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.

Hawaii

Twenty-Five Largest Advanced Industries (2015)

There are 1 advanced industries in Hawaii 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
5413	Engineering	5,310	0.78	22.2%	0.6%	1.2%	14.4%	-0.4%	0.3%
5415	Computer Systems Design	4,940	0.54	20.6%	0.3%	1.0%	13.7%	4.2%	2.3%
2211	Power Generation & Supply	3,370	1.76	14.1%	5.6%	0.5%	32.2%	-0.5%	-4.4%
5416	Management Consulting	2,180	0.35	9.1%	1.7%	3.4%	6.2%	-0.9%	3.1%
5417	R&D Services	1,810	0.57	7.6%	-2.6%	-8.6%	7.0%	-1.4%	-7.7%
6215	Medical and Diagnostic Laboratories	1,700	1.35	7.1%	-0.5%	3.1%	3.6%	-0.3%	3.5%
5172	Wireless Telecom Carriers	820	1.27	3.4%	4.2%	2.4%	5.1%	5.0%	11.1%
3399	Misc. Manufacturing	640	0.47	2.7%	0.3%	-4.3%	0.8%	9.8%	-2.0%
3366	Ships & Boats	590	0.90	2.4%	-4.0%	3.5%	1.3%	-5.6%	-0.5%
3241	Petroleum & Coal Products	510	0.96	2.1%	-4.4%	7.5%	7.4%	-6.0%	9.3%
5182	Data Processing & Hosting	440	0.30	1.8%	7.0%	-6.3%	1.3%	-0.3%	4.4%
5191	Web Search Portals and Internet Publishing	230	0.20	1.0%	3.6%	1.1%	0.7%	-0.8%	7.0%
5179	Other telecommunications	220	0.57	0.9%	-9.0%	23.4%	1.4%	-11.2%	27.0%
3365	Railroad Rolling Stock Manufacturing	180	1.32	0.8%	-4.2%	3.5%	0.4%	-4.6%	-6.8%
3391	Medical Equipment & Supplies	180	0.12	0.7%	-12.7%	-2.4%	0.3%	-5.0%	1.5%
3345	Precision Instruments	120	0.06	0.5%	6.8%	3.1%	0.6%	20.2%	8.7%
3279	Stone & Mineral Products	100	0.29	0.4%	-3.8%	-8.5%	0.3%	2.9%	-11.3%
5112	Software Products	90	0.05	0.4%	17.9%	-4.3%	0.8%	17.0%	1.5%
3251	Basic Chemicals	80	0.11	0.3%	-3.8%	4.6%	0.5%	-3.9%	-4.8%
3254	Pharmaceuticals	80	0.06	0.3%	2.3%	14.0%	0.6%	2.9%	6.6%
3253	Pesticides & Fertilizers	50	0.28	0.2%	0.0%	14.4%	0.3%	-1.2%	7.6%
3346	Magnetic & Optical Media	40	0.43	0.1%	6.9%	3.0%	0.2%	23.6%	8.4%
3331	Agri., Constr., Mining Machinery	30	0.03	0.1%	17.7%	1.6%	0.1%	5.4%	-0.5%
3341	Computer Equipment	30	0.04	0.1%	6.8%	3.5%	0.3%	21.0%	11.7%
3271	Clay Product and Refractory Manufacturing	30	0.15	0.1%	-1.4%	12.3%	0.1%	4.6%	9.2%
IFG	Advanced industries manufacturing	2,800	0.10	11.7%	-2.3%	1.8%	13.4%	-2.7%	5.0%
	Advanced industries energy	3,370	1.11	14.1%	5.6%	0.5%	32.2%	-0.5%	-4.4%
	Advanced industries services	17,790	0.55	74.2%	0.4%	0.5%	54.5%	0.8%	1.7%
	ADVANCED INDUSTRIES TOTAL	23,960	0.39	100.0%	0.8%	0.6%	100.0%	-0.1%	0.0%

† 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.