

Anchorage, AK

Advanced industries employ

12,660

full-time workers. (2013)

These direct jobs supports an additional

10,130

indirect jobs in other industries in
the region.

Advanced industries produce

\$6.2

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

Advanced industries pay, on average

\$112,340

dollars per year (2013).

Advanced industries directly
account for

6.5%

of all jobs in the region.

This employment share is

#122

among all small metros.

This accounts for

24.8%

of all output in the region (2013).

This compares to average pay of

\$55,620

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

5.1%

2.7%

Anchorage, AK

U.S.

OUTPUT

6.3%

3.8%

Anchorage, AK

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

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www.brookings.edu/advancedindustries

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DATA NOTES

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

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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	4,760	2.57	37.6%	2.8%	10.8%	3.3%
2111	Oil & Gas Extraction	1,890	6.97	14.9%	10.4%	70.9%	6.9%
5416	Management Consulting	1,890	1.16	14.9%	13.4%	4.7%	12.4%
5415	Computer Systems Design	1,060	0.45	8.3%	0.7%	3.1%	2.2%
5179	Other telecommunications	1,020	8.77	8.0%	1.5%	2.9%	2.6%
2211	Power Generation & Supply	510	0.93	4.0%	2.4%	3.4%	5.5%
5417	R&D Services	460	0.53	3.6%	11.8%	1.7%	15.5%
6215	Medical and Diagnostic Laboratories	230	0.68	1.8%	12.9%	0.3%	3.2%
5172	Wireless Telecom Carriers	200	0.94	1.6%	3.0%	0.5%	6.6%
3345	Precision Instruments	90	0.16	0.7%	2.8%	0.2%	2.1%
5191	Web Search Portals and Internet Publishing	80	0.29	0.6%	1.3%	0.1%	-1.3%
3391	Medical Equipment & Supplies	70	0.16	0.5%	5.4%	0.1%	11.6%
3399	Misc. Manufacturing	70	0.18	0.5%	-13.1%	0.0%	-18.3%
5182	Data Processing & Hosting	50	0.12	0.4%	-6.5%	0.1%	6.8%
3365	Railroad Rolling Stock Manufacturing	40	1.20	0.3%	0.8%	0.1%	-11.5%
2122	Metal Ore Mining	40	0.59	0.3%	-1.8%	0.4%	-7.7%
3346	Magnetic & Optical Media	30	1.10	0.2%	3.7%	0.1%	-1.3%
3364	Aircraft Products & Parts	20	0.03	0.2%	0.0%	0.0%	-13.8%
3241	Petroleum & Coal Products	20	0.14	0.2%	5.3%	0.3%	-2.9%
5112	Software Products	20	0.05	0.2%	-1.6%	0.1%	-11.1%
3333	Commercial & Service Machinery	20	0.15	0.1%	0.0%	0.0%	-1.8%
3259	Misc. Chemicals	10	0.12	0.1%	0.0%	0.0%	-6.8%
3362	Motor Vehicle Body & Trailers	10	0.06	0.1%	2.9%	0.0%	1.9%
3313	Aluminum Products	10	0.12	0.1%	#REF!	0.0%	39.7%
3336	Engine & Power Equipment	10	0.06	0.1%	4.6%	0.0%	5.0%
Advanced industries manufacturing		460	0.06	3.6%	0.2%	1.1%	-3.0%
Advanced industries energy		2,440	2.78	19.2%	8.3%	74.7%	6.8%
Advanced industries services		9,770	1.15	77.1%	4.6%	24.2%	5.3%
ADVANCED INDUSTRIES TOTAL		12,660	0.75	100.0%	5.1%	100.0%	6.3%

† 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.