

Lake Charles, LA

Advanced industries employ

9,350

full-time workers. (2013)

These direct jobs supports an additional

7,480

indirect jobs in other industries in the region.

Advanced industries produce

\$6.6

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

Advanced industries pay, on average

\$96,030

dollars per year (2013).

Advanced industries directly account for

9.9%

of all jobs in the region.

This employment share is

#48

among all small metros.

This accounts for

47.9%

of all output in the region (2013).

This compares to average pay of

\$43,700

for all industries (2013).

Advanced industry annual average growth, 2010-2013

JOBS

2.7%

1.1%

OUTPUT

3.8%

-1.3%

Lake Charles, LA

U.S.

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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
3251	Basic Chemicals	2,290	23.90	24.5%	0.2%	35.8%	10.6%
3241	Petroleum & Coal Products	2,190	29.24	23.5%	-0.8%	36.2%	-12.8%
5413	Architecture & Engineering	1,170	1.31	12.5%	6.5%	2.3%	6.6%
3252	Resins & Synthetic Rubbers	600	9.79	6.5%	-0.8%	6.5%	7.6%
2211	Power Generation & Supply	460	1.73	4.9%	8.1%	3.2%	8.7%
3364	Aircraft Products & Parts	420	1.28	4.5%	-5.0%	0.6%	-5.7%
3259	Misc. Chemicals	420	7.47	4.4%	0.9%	5.8%	5.8%
3253	Pesticides & Fertilizers	380	15.28	4.1%	-0.3%	3.4%	7.0%
5416	Management Consulting	200	0.25	2.1%	2.1%	0.4%	2.3%
5172	Wireless Telecom Carriers	140	1.39	1.5%	-10.1%	0.2%	-15.5%
2111	Oil & Gas Extraction	130	0.99	1.4%	10.2%	2.7%	6.3%
5179	Other telecommunications	90	1.61	1.0%	91.3%	0.5%	69.1%
5417	R&D Services	90	0.22	1.0%	63.0%	0.3%	69.5%
5152	Cable and Other Subscription Programming	80	1.63	0.8%	0.9%	0.3%	0.9%
5415	Computer Systems Design	80	0.07	0.8%	-10.9%	0.2%	-9.7%
3366	Ships & Boats	70	0.76	0.7%	-0.5%	0.1%	-0.2%
6215	Medical and Diagnostic Laboratories	60	0.35	0.6%	-3.2%	0.1%	-5.1%
3399	Misc. Manufacturing	60	0.31	0.6%	4.5%	0.1%	13.5%
3313	Aluminum Products	50	1.38	0.6%	1.3%	0.1%	19.6%
3353	Electrical Equipment	50	0.47	0.5%	7.7%	0.1%	19.3%
3279	Stone & Mineral Products	40	0.95	0.5%	1.6%	0.1%	5.5%
3369	Misc. Transportation Equipment	40	2.02	0.5%	-1.5%	0.1%	-6.9%
3333	Commercial & Service Machinery	30	0.58	0.4%	21.4%	0.1%	18.2%
3331	Agri., Constr., Mining Machinery	30	0.16	0.3%	19.1%	0.1%	27.3%
3362	Motor Vehicle Body & Trailers	20	0.24	0.2%	1.6%	0.1%	33.8%
Advanced industries manufacturing		6,820	1.87	73.0%	-0.4%	89.9%	-2.1%
Advanced industries energy		590	1.38	6.3%	8.5%	5.8%	7.5%
Advanced industries services		1,940	0.47	20.8%	5.0%	4.2%	7.6%
ADVANCED INDUSTRIES TOTAL		9,350	1.14	100.0%	1.1%	100.0%	-1.3%

† 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.