



PETROLEUM REFINING & CHEMICAL PRODUCTS



Texas leads the nation in petroleum refining and chemical products production, and is a global leader in the closely related petrochemical industry. Texas entered the global petroleum production and refining industry in 1901, when the Spindletop oilfield began production with a gusher that made headlines around the world.

ExxonMobil

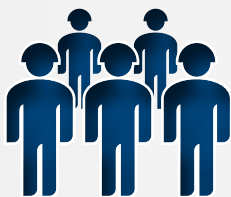
Irving, Texas is home to oil, gas, and chemical giant ExxonMobil, which is second on the 2015 Fortune 500 list.



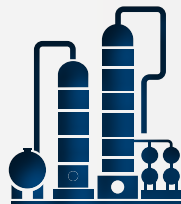
Texas is home to 32 energy-related companies on the Fortune 500 list. Houston, "The Energy Capital of the World," is home to more than 5,000 energy-related firms.



Texas' 27 refineries lead the nation in both crude oil production and refining. With over 5.1 million barrels a day, Texas has 29% of the nation's total capacity.



With approximately 100,000 workers, Texas is home to the largest petrochemical cluster in the world.



Houston alone accounts for over 42% of the nation's base petrochemical capacity.



The average yearly wage in Texas' refining and chemical manufacturing industry is approximately \$82,000.

Education, Research, and Development

Texas universities and other educational institutions are heavily invested in research and development (R&D). In 2013, state expenditures for R&D at higher educational institutions exceeded \$3.7 billion, according to the Texas Higher Education Coordinating Board.

Petroleum Refining & Chemical Products Education and R&D Programs

- ★ Rice University - George R. Brown School of Engineering and the Department of Biochemistry and Cell Biology
- ★ Texas A&M University - Mary Kay O'Conner Process Safety Center
- ★ The University of Texas at Austin - Cockrell School of Engineering
- ★ The University of Texas at Tyler - The Center for Petroleum Security Research

Industry Private Workforce Averages

Texas' superior workforce, vibrant economy, and excellent business climate, along with the state's central location, relatively low production costs, and incentive funding have lured many U.S. and foreign business to expand or relocate in Texas.

Industry (Industry Code)	Employees	Firms	Average Annual Wage
Petroleum Refineries (32411)	586	69	\$78,844
Basic Chemical Mfg (3251)	32,518	425	\$115,736
Petrochemical Mfg (32511)	15,649	80	\$117,906
Resin, Rubber & Synthetic Fibers (3252)	9,385	129	\$101,819
Agricultural Chemical Mfg (3253)	3,158	112	\$82,425
Paint, Coating & Adhesive Mfg (3255)	5,552	143	\$69,725
Cleaning Compound & Toiletry Mfg (3256)	5,361	164	\$66,142
Other chemical Preparation Mfg (3259)	8,936	266	\$84,787
Plastics Product Mfg (3261)	33,514	685	\$47,382

2013 data, private employment only. Source: BLS

Select Companies Operating in Texas

ExxonMobil

ExxonMobil
Chemical



Chevron
Phillips
Chemical Company



HOLLYFRONTIER

lyondellbasell



Celanese

Westlake
Chemical

EASTMAN



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