

Top Producers (2020)

Company	Country of Headquarters	Production (mmboe)
Saudi Aramco	Saudi Arabia	4396
Gazprom	Russia	3404
NIOC	Iran	2518
PetroChina	China	1894
Rosneft	Russia	1654
Exxon Mobil	USA	1576
Shell	Netherlands	1466
Chevron	USA	1313
KPC	Kuwait	1140
BP	United Kingdom	1102
TotalEnergies	France	1023
ADNOC	UAE	947
QatarEnergy	Qatar	927
Petrobras	Brazil	923
Sonatrach	Algeria	817
PEMEX	Mexico	799
Lukoil	Russia	788
Equinor	Norway	741
Eni	Italy	666

19 companies are responsible for >50% of global oil and gas production in 2020.

Top Short-term Expansionists

Company	Country of Headquarters	Expansion (mmboe)
QatarEnergy	Qatar	20117
Gazprom	Russia	16656
Saudi Aramco	Saudi Arabia	15187
Exxon Mobil	USA	7388
Petrobras	Brazil	7196
Turkmengaz	Turkmenistan	5403
TotalEnergies	France	4306
Chevron	USA	4006
Shell	Netherlands	3779
BP	United Kingdom	3189
NIOC	Iran	2939
ADNOC	UAE	2888
Equinor	Norway	2677
CNOOC	China	2556
EQT Corporation	USA	2387

The 8 highlighted companies Saudi Aramco, Gazprom, Exxon Mobil, Shell, Chevron, BP, TotalEnergies and Equinor are top players in all three of these categories.

15 companies are responsible for >50% of global oil and gas short-term expansion.

Top Spenders on Exploration (annual average 2019-2021)

Company	Country of Headquarters	Exploration CAPEX (MUSD)
PetroChina	China	5987
CNOOC	China	2827
Shell	Netherlands	2437
Sinopec Corp	China	2291
PEMEX	Mexico	1912
Saudi Aramco	Saudi Arabia	1881
Exxon Mobil	USA	1616
Pioneer Natural Resources	USA	1227
Gazprom	Russia	1174
Equinor	Norway	1168
Diamondback Energy	USA	1058
Chevron	USA	942
BP	United Kingdom	939
Sonatrach	Algeria	862
Rosneft	Russia	847
TotalEnergies	France	837

16 companies are responsible for >50% of global oil and gas exploration expenditures in 2019 - 2021.

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Top 15 Pipeline Developers

Company	Country of Headquarters	Pipelines under development (km)
Gazprom	Russia	14447
PipeChina	China	13427
Sinopec Corp	China	12376
CNPC	China	9337
GAIL	India	8539
NNPC	Nigeria	5724
Transgaz	Romania	3088
Gujarat State Petroleum Corp	India	2945
ONHYM	Morocco	2830
Alaska Gasline Development	USA	2760
Indian Oil Corporation	India	2537
Turkmengaz State Concern	Turkmenistan	2286
GAZ-SYSTEM SA	Poland	2178
Jemena	Australia	2156
PTT Public Company Ltd	Thailand	1859

The top 15 pipeline developers are responsible for 41% of total pipeline expansion.

Top 15 LNG Terminal Developers

Company	Country of Headquarters	Annual Capacity Under Development (Mt)
Venture Global LNG	USA	76
QatarEnergy	Qatar	59
KPC	Kuwait	33
Sinopec Corp	China	29
CNPC	China	27
Sempra Energy	USA	26
Shell	Netherlands	25
New Fortress Energy	USA	25
H-Energy	India	24
TotalEnergies	France	23
Höegh LNG Holdings	Norway	23
NextDecade	USA	23
Cheniere Energy	USA	21
PTT Public Company Ltd	Thailand	20
Alaska Gasline Development	USA	20

The top 15 LNG Terminal developers are responsible for 34% of total LNG Terminal development.

TOP UNCONVENTIONAL PRODUCERS

Top 10 Frackers

Company	Country of Headquarters	Fracking (mmboe)
Exxon Mobil	USA	345
Occidental Petroleum	USA	329
EOG Resources	USA	322
Chevron	USA	309
PetroChina	China	293
EQT Corporation	USA	292
Antero Resources	USA	257
Ovintiv	USA	234
Chesapeake	USA	199
BP	United Kingdom	195

The top 10 frackers are responsible for 26% of total fracking production in 2020.

Top 10 Tar Sands Producers

Company	Country of Headquarters	Tar Sands (mmboe)
CNRL	Canada	244
Suncor Energy	Canada	217
Cenovus Energy	Canada	139
Exxon Mobil	USA	116
Husky Energy	Canada	45
Imperial Oil	Canada	40
MEG Energy	Canada	30
TotalEnergies	France	30
Tatneft	Russia	23
CNOOC	China	21

The top 10 tar sands producers are responsible for 88% of total tar sands production in 2020.

Top 10 Coalbed Methane Producers

Company	Country of Headquarters	Coalbed Methane (mmboe)
Shell	Netherlands	66
ConocoPhillips	USA	43
Origin Energy	Australia	42
Sinopec Group	China	28
CNOOC	China	26
IKAV Energy	USA	23
Ember Resources	Canada	14
Santos	Australia	12
Carbon Creek Energy	USA	12
CNX Resources Corporation	USA	10

The top 10 coalbed methane producers are responsible for 60% of total coalbed methane production in 2020.

Top 10 Extra Heavy Oil Producers

Company	Country of Headquarters	Extra Heavy Oil (mmboe)
PEMEX	Mexico	159
Ecopetrol	Colombia	126
Chevron	USA	100
PDVSA	Venezuela	85
Petrobras	Brazil	68
CNOOC	China	66
CNRL	Canada	47
PetroChina	China	47
Shell	Netherlands	31
KPC	Kuwait	26

The top 10 extra heavy oil producers are responsible for 63% of total extra heavy oil production in 2020.

Top 10 Ultra Deepwater Producers

Company	Country of Headquarters	Ultra Deep-water (mmboe)
Petrobras	Brazil	592
Shell	Netherlands	198
BP	United Kingdom	83
TotalEnergies	France	53
Exxon Mobil	USA	47
Chevron	USA	47
CNOOC	China	41
Sonangol	Angola	39
Equinor	Norway	36
Galp Energia SA	Portugal	33

The top 10 ultra deepwater producers are responsible for 78% of total ultra deepwater production in 2020.

Top 10 Arctic Producers

Company	Country of Headquarters	Arctic (mmboe)
Gazprom	Russia	2522
NOVATEK	Russia	454
Rosneft	Russia	223
Equinor	Norway	149
Wintershall Dea	Germany	125
Lukoil	Russia	112
ConocoPhillips	USA	97
Petoro	Norway	89
TotalEnergies	France	51
Vår Energi	Norway	50

The top 10 Arctic producers are responsible for 91% of total Arctic production in 2020.

Sources:

Urgewald's analysis of oil and gas production, short-term expansion projects and oil and gas exploration capex is based on data from Rystad Energy. Urgewald's analysis of LNG and oil and gas pipeline projects is based on data from Global Energy Monitor's Fossil Infrastructure Tracker.