

# Midstream Essentials

Comprehensive pipeline and facility level information supporting workflows along the crude oil, natural gas and CO<sub>2</sub> value chains



A firm understanding of the infrastructure connectivity, from upstream assets, through pipelines and facilities remains a critical component to business decisions for energy industry stakeholders. The Midstream Essentials Database from S&P Global Commodity Insights provides comprehensive coverage of oil and gas infrastructure with recent enhancements including reported facility level CO<sub>2</sub> emissions and carbon sequestration infrastructure.

## Midstream Essentials Database provides the intelligence needed to support:

- Infrastructure-led exploration and field development planning by understanding where to tie in future oil and gas production
- Crude oil and natural gas supply planning by identifying relevant transportation and processing infrastructure for exports or domestic supply
- Source-to-sink use cases through point source CO<sub>2</sub> emitters in relation to CO<sub>2</sub> transportation and storage infrastructure
- Competitive intelligence and joint venture assessments by tracking portfolios, market shares and new infrastructure projects
- Analysis of potential vulnerabilities to critical energy infrastructure and energy security

## Common attributes for pipelines and facilities:

- Pipeline (includes section level information):
  - Pipeline name
  - Coordinates
  - Content
  - Length
  - Diameter
  - Capacity
  - Connecting nodes
  - Operating status
  - Online dates
  - Key project milestones
  - Operator/Ownership structure
- Facilities (includes unit level information):
  - Facility name
  - Coordinates
  - Operator/Ownership structure
  - Reported CO<sub>2</sub> emissions
  - Content
  - Capacity
  - Operating status
  - Online dates
  - Key project milestones

## Midstream Essentials Database content:

### Transportation:

- FPSOs
- Pipelines
- Compressor & Pumping Stations
- Storage
- Terminals
- Ports

### Processing:

- Refining
- Gas Processing
- LNG

### Primary Markets:

- Electric Plants
- Hydrogen (non-captive)
- Olefin
- Methanol
- Ammonia
- Heavy Industrial Plants



More than **135,000** facilities worldwide



+ **3.7 million** km of pipelines

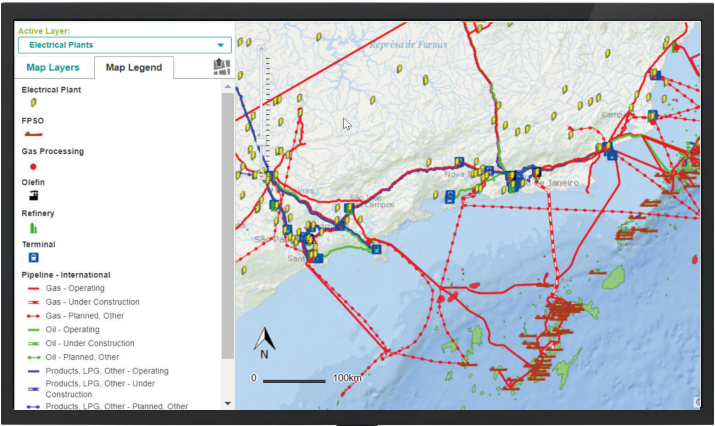


**10,000** energy infrastructure sources covered weekly

# Data sourcing, updating, and access

The database enables users to focus on business decisions rather than data collection and maintenance.

- The database is updated daily through public sources such as operators, regulators, governments, technical publications, satellite imagery, as well as via internal sources
- The information goes through an automation, analysis, and standardization process before being presented in a consistent format that can easily be queried and mapped with 24/7 online web access provided
- The dataset is fully aligned with our upstream delivery channels such as EDIN online, Spatial delivery, API and Cloud Access



Geography	Fluid Type	Storage Name	Status	On Line Year	Storage Type	Operator Name	Capacity
Algeria	Liquid Natural gas	Arzew GL 12	Operating	1978	Above Ground Tanks	Sonatrach SpA	175.2
Algeria	Liquid Natural gas	Arzew GL 22	Operating	1981	Above Ground Tanks	Sonatrach SpA	175.1
Algeria	Liquid Natural gas	Arzew GL 32	Operating	2012	Above Ground Tanks	Sonatrach SpA	175.2
Algeria	Liquid Natural gas	Skikda ELGI & II	Operating	1972	Above Ground Tanks	Sonatrach SpA	179.87
Egypt	Liquid Natural gas	Ain Sokhna (Hogeh)	Removed	2015	Above Ground Tanks	Egyptian Natural Gas Holding Co (EGAS)	99.28
Egypt	Liquid Natural gas	Damietta (Segas)	Operating	2005	Above Ground Tanks	Spanish Egyptian Gas (SEGAS)	175.2
Egypt	Liquid Natural gas	Idku (ELMG1)	Operating	2005	Above Ground Tanks	ELNG Train 1	81.78
Egypt	Liquid Natural gas	Idku (ELMG2)	Operating	2005	Above Ground Tanks	ELNG Train 2	81.78
Egypt	Liquid Natural gas	Sumed (BW)	Operating	2017	Above Ground Tanks	Egyptian Natural Gas Holding Co (EGAS)	99.28
Equatorial Guinea	Liquid Natural gas	Punta Europa LNG	Operating	2007	Above Ground Tanks	Equatorial Guinea LNG Holdings Ltd (EG LNG)	158.85
Libya	Liquid Natural gas	Maesa El Brega	Operating	1970	Above Ground Tanks	Sinre Oil Co	56.06
Mozambique	Liquid Natural gas	Palma (Mozambique LNG)	Under Construction	2024	Above Ground Tanks	Mozambique LNG	366.88
Mozambique	Liquid Natural gas	Palma (Rouma LNG)	Planned	2025	Above Ground Tanks	Mozambique Rouma Venture SpA	233.6
Nigeria	Liquid Natural gas	Bonny LNG	Operating	1999	Above Ground Tanks	Nigerian National Petroleum Corp	49.17
Australia	Liquid Natural gas	Broome (ESU)	Operating	2007	Above Ground Tanks	Energy Developments Ltd	1.26
Australia	Liquid Natural gas	Dandenong (Peaking LNG)	Operating	1980	Above Ground Tanks	APA GasNet Australia Pty Ltd	16.55
Australia	Liquid Natural gas	Clayton (Bayu-Unden)	Operating	2006	Above Ground Tanks	Darwin LNG Pty Ltd	209.79
Australia	Liquid Natural gas	Grainstone (MRNG) I	Operating	2015	Above Ground Tanks	ConocoPhillips co	186.88
Australia	Liquid Natural gas	Grainstone (QLNG)	Operating	2015	Above Ground Tanks	Grainstone LNG	163.52
Australia	Liquid Natural gas	Gorgon (LNG)	Operating	2016	Above Ground Tanks	Oxeron Australia Pty Ltd	210.24
Australia	Liquid Natural gas	Ichthyus (LNG)	Operating	2018	Above Ground Tanks	Ichthyus LNG	192.73
Australia	Gas	Iona	Operating	1999	Depleted Field	Lochard Energy (Iona Gas Storage) Pty Ltd	694.44
Australia	Liquid Natural gas	Karratha	Operating	2007	Above Ground Tanks	Energy Developments Ltd	155.6
Australia	Liquid Natural gas	Kwinana (LNG)	Operating	2009	Above Ground Tanks	Westfarmers LPG Pty Ltd	2.34
Australia	Gas	Mandana I	Operating	1994	Depleted Field	APA Group	80.95
Australia	Gas	Mandana II	Operating	2013	Depleted Field	APA Group	123.7
Australia	Liquid Natural gas	Moomba	Operating	1980	Depleted Field	Santos Ltd	1869
Australia	Liquid Natural gas	Newcastle Peaking LNG (LNG)	Operating	2015	Above Ground Tanks	AGL Energy Ltd	41.37
Australia	Gas	Newstead	Operating	1997	Depleted Field	Armour Energy Ltd	51.96
Australia	Gas	North Paratete	Operating	2009	Depleted Field	EnergyAustralia	136.21
Australia	Liquid Natural gas	North West Shelf (LNG)	Operating	1989	Underground Tanks	Woodside Energy Group Ltd	151.84
Australia	Gas	Oreary (Beach)	Planned	2024	Depleted Field	Adelaide Energy Ltd	1335
Australia	Liquid Natural gas	Pluto (LNG)	Operating	2012	Above Ground Tanks	Woodside Energy Ltd	140.26
Australia	Liquid Natural gas	Preville (LNG)	Operating	2018	Floating Store Unit	Preville LNG	128.48
Australia	Liquid Natural gas	Queensland Curtis I	Operating	2014	Above Ground Tanks	QGC Pty Ltd	105.12
Australia	Liquid Natural gas	Queensland Curtis II	Operating	2015	Above Ground Tanks	Queensland Curtis LNG (QCLNG) II	105.12
Australia	Gas	Rome	Operating	2011	Depleted Field	Santos Ltd	1736
Australia	Gas	Silver Springs/Remlin	Operating	2011	Depleted Field	AGL Energy Ltd	1122

## About S&P Global Commodity Insights

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We're a trusted connector that brings together thought leaders, market participants, governments, and regulators to co-create solutions that lead to progress. Vital to navigating Energy Transition, S&P Global Commodity Insights' coverage includes oil and gas, power, chemicals, metals, agriculture, and shipping.

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