



Gulf Energy[®]

Produced by
PE Maps

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ExxonMobil

INTERACTIVE WORLD LNG MAP & DASHBOARD

FREQUENTLY ASKED QUESTIONS

Version 2.0

WELCOME

Welcome to the **PE Maps** Web Application FAQs. We have compiled a series of Frequently Asked Questions which will hopefully answer initial queries about the map and mapping application.

FREQUENTLY ASKED QUESTIONS

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FREQUENTLY ASKED QUESTIONS

Q What information is shown in the map?

- A** The map is able to show the following:
- LNG regasification terminals defined by project status
 - LNG liquefaction plants defined by project status
 - Natural gas pipelines defined by status
 - Natural gasfields

The initial view is at the global view and shows just LNG facilities as well as country definitions. Colours define a country as a LNG importer, a LNG exporter, a LNG importer and exporter or no LNG. Pipelines and fields are zoom dependent and will appear as you zoom into the map.

Each LNG facility represented by a star is clickable and will have a pop-up box. The information shown here includes:

- Project name
- Region, Country, Onshore/Offshore with latitude and longitude coordinates
- Status and start-up date
- Operator and shareholders
- Installed project capacity and Storage capacity
- Process method and numbers of trains (liquefaction projects only)
- Origin of gas for liquefaction plants and source of LNG for regasification terminals

Q Are all LNG projects shown in the map?

A All known projects with or with plans to have international trade of LNG are shown on the map. Small-scale LNG is currently not available.

Q How do you define the LNG project status?

A Liquefaction (export) plant

- Existing - Plant that is currently built and producing LNG for the market.
- Under Construction - Plant has had all the necessary approvals and has started construction.
- Planned or proposed - Any one of the following: Plant that has received all necessary approvals but has not started construction, plant that has received approval from local or national government, plant that has received firm financial backing or plant that has had Heads of Agreement (HOA) or Letter of Intent (LOI) to deliver LNG to a third party.
- Speculative - Plant that has gone past the stage of being a feasibility study, then any one of the following: Plant that has been put forward but not received local or national government approval, plant that has been put forward but not received any firm financial backing or plant that has been put forward but has no HOA or LOI from a third party.

Regasification (import) terminal

- Existing - Terminal that is currently built and receiving LNG from the market.
- Under construction - Terminal has had all the necessary approvals and has started construction.
- Planned or proposed - Any one of the following: Terminal that has received all necessary approvals but has not started construction, terminal that has received approval from local or national government, terminal that has received firm financial backing, terminal that has had Heads of Agreement (HOA) or Letter of Intent (LOI) to receive LNG from a third party, US terminal onshore that has received approval from the Federal Energy Regulatory Commission (FERC) or US terminal offshore that has received approval from the United States Coast Guard (USCG) and the Maritime Administration (MARAD).
- Speculative - Terminal that has gone past the stage of being a feasibility study, then any one of the following: Terminal that has been put forward but not received local or national government approval, terminal that has been put forward but not received any firm financial backing, terminal that has been put forward but has no HOA or LOI from a third party, US terminal onshore that has not received approval from (FERC) or US terminal offshore that has not received approval from (USCG) and (MARAD).

Q What is the source of the data?

A All the data is sourced from multiple sources, firstly within the **Gulf Energy Information** suite of publications, *Petroleum Economist*, Hydrocarbon Processing, Gas Processing & LNG, Pipeline & Gas Journal and World Oil.

*Gulf Energy*ⁱ

PETROLEUM
ECONOMIST

HYDROCARBON
PROCESSING

GAS PROCESSING
& LNG

Pipeline &
Gas Journal
connecting you to the pipeline industry worldwide

World Oil

Secondly, we look to contract the owners and operators to get information directly. We keep a good relationship with these companies and firms to ensure the data is as up-to-date and possible.

Finally, we look at other industry media sources. We use this to check and verify information we have received.

Q How often is the data updated?

A Information is updated on a daily basis or as new information is made available.

Q Does the application work on my tablet or phone?

A Yes it will work on tablet and phone. The application is designed to work best on laptops and desktop computers. The application also runs fine on all tablets and mobile phones. However, you may find some functions more difficult to use as screen sizes get small.

Q Does the application work offline?

A No. This is a web based application and user will need internet access.

Q How close can I zoom?

A You can zoom to street level. To enhance the user experience you can use a selection of basemaps including satellite imagery.

Q Why can't I download the layer data?

A The layer data shown is read only. The information shown in the application is a subset of data from Energy Web Atlas LNG database. If users have the requirement to download the full data set this can be arranged through EWAs website (www.energywebatlas.com). This website offers a series of subscription web applications for the Midstream and Downstream sectors

Q How up-to-date is the satellite imagery?

A Satellite imagery comes as part of our agreement with ESRI. The imagery come from a third-party supplier Digital Globe. In certain regions or areas of the world you may find imagery is a little out of date. It is updated regularly but the frequency of updates is out of our control.

Q How accurate are the natural gas pipeline locations?

A This online map shows the approximate location of pipelines based on digital geographic pipeline information gathered by **PE Maps, Energy Web Atlas** and **Pipeline & Gas Journal**. As this data is constantly improved and updated, additional pipelines will be added and the accuracy of pipeline location improved. Some cartographic adjustments have been made for clarity.

Q Can I copy the data?

A Raw data can not be downloaded or copied from the application. However, screen shots and prints are permitted as long as they are clearly sourced: Extract from the Interactive World LNG Dashboard © **PE Maps / PE Media Network**

Q How accurate are the LNG project locations?

A **PE Maps** and **Energy Web Atlas** cartographic editors have been careful to ensure the location of each plant or terminal is correct. In the case of planned and proposed or speculative plant or terminal locations, where location information is not specific, the editors have made an executive as to its most likely location. As this data is constantly improved and updated the accuracy of LNG plant or terminal location improved.

Q How often are the statistics updated?

A The statistics in this application are annualised figures from Energy Information Administration (EIA), IIGNL, Kpler and Cedigaz.

CONTACTS

If you are experiencing technical difficulties or have questions about the mapping application, please contact us for assistance.

General enquiries
Cartographic@Petroleum-Economist.com

Kevin Fuller
Manager - Cartographic Services
Kevin.Fuller@Petroleum-Economist.com
+44 20 3409 2248

Peregrine Bush
Senior Cartographic Editor
peregrine.bush@Petroleum-Economist.com
+44 20 3409 2249

Kate Permenter
GIS Developer
Kate.Permenter@GulfEnergyInfo.com
+1 (713) 520-4464

Paul Rodden
Director, Product Development
Paul.Rodden@GulfEnergyInfo.com
+1 (713) 520-4464

If you would like to enquire about commercial opportunities with relation to *PE Maps* interactive mapping applications, please contact:

Owen Raw-Rees
Commercial Director
Owen.Raw-Rees@Petroleum-Economist.com
+44 20 3409 224
+44 7752 097422 (Mobile)