



INTERACTIVE HYDROGEN DASHBOARD

FREQUENTLY ASKED QUESTIONS

Version 2.0



Produced by **PE Maps**

Gulf Energy[®]

WELCOME

Welcome to the **PE Maps** Dashboard 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 dashboard?

- A** The map is able to show the following:
- Hydrogen related projects by technology type
 - Hydrogen related projects by source feedstock
 - Hydrogen related projects by application

The initial view is at the global view and shows hydrogen projects.

Map project pop-ups

The information shown here includes:

- Project Project Name
- Description Description of the project
- Product Principle product produced. Usually, hydrogen (H₂) or methane (CH₄)
- Technology Technology type or process
- Type (feedstock/user) Type of hydrogen by colour categories based upon feedstock and user
- Owner / operator The project operator or promotor
- Shareholders / participants The project shareholders and/or participants
- Status Phase of project
- Start date Announced date at which the project will start

Q Are all hydrogen projects shown in the dashboards?

A The research and maps team at **PE Media Network** is investigating Hydrogen plants on an ongoing basis. The database is live and continually being added to or updated. As this is an emerging dataset we can not be certain that all hydrogen projects are present. If you have additional information about an existing project or want to add a new one please contact the **PE Maps** team

Q How do you define the hydrogen project status?

A Below are the four main status levels

- Operational – Project that is currently built and producing/using hydrogen.
- Under construction – Project that has had all the necessary approvals and has started construction.
- Planned – Any one of the following: Project that has received all necessary approvals but has not started construction; project that has received approval from local or national government; project that has received firm financial backing; or project that has had Heads of Agreement (HOA) or Letter of Intent (LOI) to produce/use hydrogen.
- Proposed – Project that has gone past the stage of being a feasibility study, then any one of the following: Project that has been put forward but not received local or national government approval; project that has been put forward but not received any firm financial backing; or project that has been put forward but has no HOA or LOI to produce/use hydrogen.

Other status are unclassified and non operational

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, **PE Media Network**, *Hydrogen Economist*, *Global Energy Infrastructure*, *Hydrocarbon Processing*, *H2Tech*, *Gas Processing & LNG*, and *World Oil*.

 Gulf Energyⁱ

 PE Media Network

 Hydrogen Economist

 Global ENERGY INFRASTRUCTURE

 HYDROCARBON PROCESSING

 H₂TECH

 GAS PROCESSING & LNG

 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 as 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 **PE Media Network** hydrogen database. If users have the requirement to download the full data set this can be done as part of a subscription to *Hydrogen Economist*. For full information about this visit pemedianetwork.com/pages/subscribe

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

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

Q Will hydrogen pipelines be added to the dashboard map?

A **PE Maps** are currently researching the loactions and data surrounding Hydrogen pipelines. It is the teams intention to add these to the dashboard in the coming months. Please keep an eye on our social media and website for updates.

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 Hydrogen Dashboard V.2 © PE Maps / PE Media Network**

Q How accurate are the hydrogen project locations?

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

Q How often are the statistics updated?

A The statistics in this application are annualised figures from International Energy Agency (IEA). Hydrogen production and consumption data is not straightforward to collate, as much of the hydrogen is produced and consumed within refineries, and data availability for this is limited. It may take some time for a more reflective dataset to be gathered.

For suggestions, or if you would like to showcase your hydrogen data please contact the **PE Maps** team.

CONTACTS

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

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