

**Underpinning your every decision is the trust that your data is accurate and well sourced. But collecting data, and ensuring its precision, to accurately model the energy ecosystem takes precious time and resources.**

Our Simulation Ready Datasets are extensively researched and meticulously sourced by our global team of experts, so that you can start modelling with confidence on PLEXOS and PLEXOS Cloud. Our datasets are designed to be easily customised, updated with the latest industry data, and incorporate information from public, regional, and government sources.

Energy Exemplar's latest PLEXOS dataset for European gas use cases gives you unprecedented resolution. This fundamental dataset provides an up-to-date view of the gas market, giving you insight into demand/supply balance, security of supply, market prices, flows, and more. This timely dataset can provide peace of mind by allowing you to uncover almost any gas scenario and its impact on your operations or investments.



## Designed for:

Gas utilities, suppliers, investors, planners, consultants, traders and large industrial consumers will appreciate the ability to:

- ▶ **Analyse gas market fundamentals:** supply security, flows, supply sources, demand destruction and volatility, gas storage targets and price movements
- ▶ **Model** carbon emissions, energy storage, renewable natural gas, and hydrogen in detail
- ▶ **Confidently model beyond** published gas futures prices
- ▶ **Examine the impacts** of weather or unplanned outages on key assets
- ▶ **Model and understand the impacts** of transportation bottlenecks, infrastructure development, weather, market pricing and technology trends on the gas market
- ▶ **Gas asset owners, investors and operators** will be able to perform capacity planning, maintenance scheduling and forecast the operation of their assets, including LNG terminals, processing plants, pipelines, storage facilities

## European Gas Dataset includes:

- ▶ A fundamental view of European gas market drivers – production, LNG, imports, storage, flows and prices
- ▶ A detailed daily market simulation of how the European gas market operates.
- ▶ Historical calibration – backcast against market actual data from 2019 – 2022
- ▶ Out-of-the-box future scenarios of potential market outcomes to 2050

## Featured highlights of the European Gas Dataset for PLEXOS include:

1	<b>Security of supply analysis</b> – detailed case study of security of supply issues
2	<b>View to 2050</b> – future scenario included for each country, modelling market fundamentals to 2050 including production, demand by sector, imports, flows, storage and gas market price
3	<b>Backcast</b> – monthly calibration against actual demand, production, LNG and pipeline imports, storage working volumes and price
4	<b>Detailed representation of North American gas infrastructure, including:</b> <ul style="list-style-type: none"><li>• 32 countries modelled as individual gas pricing hubs, linked by cross-border pipelines</li><li>• 92 Supply nodes, each representing an LNG import terminal, domestic gas field or international pipeline entry point</li><li>• Demand split by sector</li><li>• Storage facilities</li></ul>

### Sources Include:

Primary sources used include multiple ENTSO-E sources, Elexon, TSO data and other public domain sources.

**With our Simulation Ready Datasets you get faster start-up and decision making, accuracy and reliability, drastically lower internal costs when compared to developing your own – giving you quicker time to insight.**

### Energy Exemplar datasets are always:

- ▶ Publicly sourced
- ▶ Thoroughly documented with extensive release notes provided
- ▶ Extensively tested and calibrated
- ▶ Up-to-date



## Take the Next Step

Learn more or schedule a meeting at

[www.energyexemplar.com](http://www.energyexemplar.com)