

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 modeling with confidence on PLEXOS and PLEXOS Cloud. Our datasets are designed to be easily customized, updated with the latest industry data, and incorporate information from public, regional, and government sources.

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 and power utilities, suppliers, investors, planners, consultants, traders and large industrial consumers
- ▶ Market analysis of gas fundamentals, including aspects of supply security, flows, sources, demand fluctuations, volatility, storage inventory targets, and price movements
- ▶ Modeling of carbon emissions, energy storage, LNG, renewable natural gas, and hydrogen with detailed precision
- ▶ Expansion of modeling capabilities to include predictions beyond publicly available gas futures prices
- ▶ Examine the impacts of weather or unplanned events instead of unplanned outages
- ▶ 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

Asia – Pacific Gas Dataset includes:

- ▶ A fundamental view of Asia – Pacific gas market drivers – production, competition between LNG, pipeline imports, storage, flows and prices, monthly supply/demand balances, and tailored demand by sector for each country, including commercial, electric power, industrial, residential, and transportation
- ▶ A detailed monthly daily market simulation of how the Asia – Pacific 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 Asia – Pacific Gas Dataset for PLEXOS include:

1	Security of supply analysis – detailed case study of security of supply issues
2	View to 2050 – future scenario included for each country, modeling market fundamentals to 2050 including production, demand by sector, imports, flows, storage and gas market price
3	Backcast – full 2020 backcast that runs out of the box for benchmarking
4	Fully set up - LTCE and long term price forecast that run out of the box

Sources Include:

Primary sources used include METI (Ministry of Energy), OCCTO, IEA, EIA, AEMO, GOV.AU, GOV.CN, GOV.PH, PPAC, MIGAS, MBIE, KOSIS, EPPO, JOGMEC, New Zealand Gas Industry Co, IGU

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 annually



Take the Next Step

Learn more or schedule a meeting at
www.energyexemplar.com/datasets