

**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.

Energy Exemplar's latest PLEXOS dataset for European electricity use cases gives you unprecedented resolution. This comprehensive dataset provides an in-depth overview of 47 European electricity bidding zones, equipping you to navigate the carbon economy and succeed.



## Designed for:

- ▶ **Electricity wholesale market participants, Utilities, Traders, Investors and their Advisors** looking for robust, bottom-up, detailed, short or longer term insights into market fundamentals, outcomes and volatility
- ▶ **Consultants and Analysts** seeking a base case to build their own scenarios with
- ▶ **Planners, Regulators and Policy Makers** for understanding impact of policy and energy transition
- ▶ **Revenue forecasting** for diligence and planning
- ▶ **Investors, Strategic Planners and Portfolio managers** investigating assets, risk and for M&A

## European Electricity Dataset includes:

- ▶ A fundamental view of market drivers - supply, demand, impact of new technologies, hydrogen, emissions, costs, prices and storage – at hourly granularity
- ▶ Backcast analysis of recent market outcomes
- ▶ Future scenario and automated capacity expansion to 2050
- ▶ A market-coupled pan-European dataset with 47 bidding zones, or the option to select our regional datasets (Central & Western, Northern, Southeastern or Eastern Europe)

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

1	<b>View to 2050</b> - Future scenario included for each bidding zone, based on ENTSO-E's TYNDP 2022 scenario. Also, an automated Long Term Capacity Expansion, with optimized new build of thermal plant and key new technologies across Europe
2	<b>Energy Transition to a low carbon economy</b> – New technologies modeled in the dataset, including hydrogen and hydrogen storage, electrolyzers, EVs, batteries and prosumer batteries
3	<b>Backcast</b> – Detailed model calibration against historical outcomes, including the inclusion of published REMIT outage data
4	<b>Hydro modeling</b> - Hydro storage and inflows modeled in the dataset by bidding zone, including the impact of Nordic hydro reservoirs
5	<b>Weather years</b> - Choose to run from 40 built-in weather years
6	<b>Unit-level detail</b> – Each bidding zone modeled on a unit-level for all major generating units, to support detailed modeling of the European day-ahead electricity market

### 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)