PLEXOS

2021

ELECTRICITY

Leverage Every Opportunity as the World Transitions to a Lower Carbon Future

PLEXOS® is energy market simulation software with the sole purpose of giving you the power to make optimal decisions to achieve the best future for your organization, customers and environment.

What Does PLEXOS Do?

Effective decision-making with today's volume of possibilities and availability of data streams is beyond human means alone, so we built an optimization engine.

PLEXOS gives you the power to gather all your data, in any granularity, as well as your constraints and uncertainties, and put them into one tool that delivers a multitude of real-world solutions. You choose from these optimal outcomes which scenario meets the goals of your energy company.

Who Uses PLEXOS?

PLEXOS is built to serve the entire energy industry ecosystem.

Whether working with a government, regulator, system operator, utility, power producer, retailer or trader, PLEXOS provides actionable insights for making optimal decisions.

- IoT Data Analyst
- Energy Market Analyst
- Mid office Planning Analyst

- Fuel Procurement
- Operator
- Risk Manager

- Retail Gas Planner
- Generation Planner
- Transmission Planner

- Marketer
- Trader
- Consultant

How Does PLEXOS Help?

YOU GET OPTIMAL RESULTS.

PLEXOS uses optimization to replicate the properties and behaviors of the physical power system within a software environment. It converts these inputs into a mathematical problem that finds the best course of action from a range of available options. By simply changing the inputs, you'll get another optimal course of action, and you can compare those newfound insights to choose a solution that gives you the best outcome.

Underneath it all, you'll feel confident using the industry-leading algorithms that allow you to experiment and interpret the results.

Benefits of Optimization:

- Make more informed decisions
- Test the effects of different scenarios on the system
- Maximize your profitability
- Increase your productivity
- Minimize your costs
- Reduce your depreciation
- Reduce your amount of waste

YOU GET A UNIQUELY UNIFIED APPROACH.

PLEXOS is the only solution that unifies your market simulations across electric, water and gas energy systems. You can also perform long-term planning, PASA, medium-term and short-term scheduling, with each phase automatically connected to the others.

Benefits of a Unified Modeling Solution:

- Create one source of truth for the entire organization
- Maximize your profitability across multiple commodities
- Reduce your IT costs and timelines
- Make decisions based on real-world scenarios
- Streamline your input/output processes and reduce errors
- Work more efficiently across teams by eliminating iterative planning
- Consolidate separate forecasting tools into one master hub
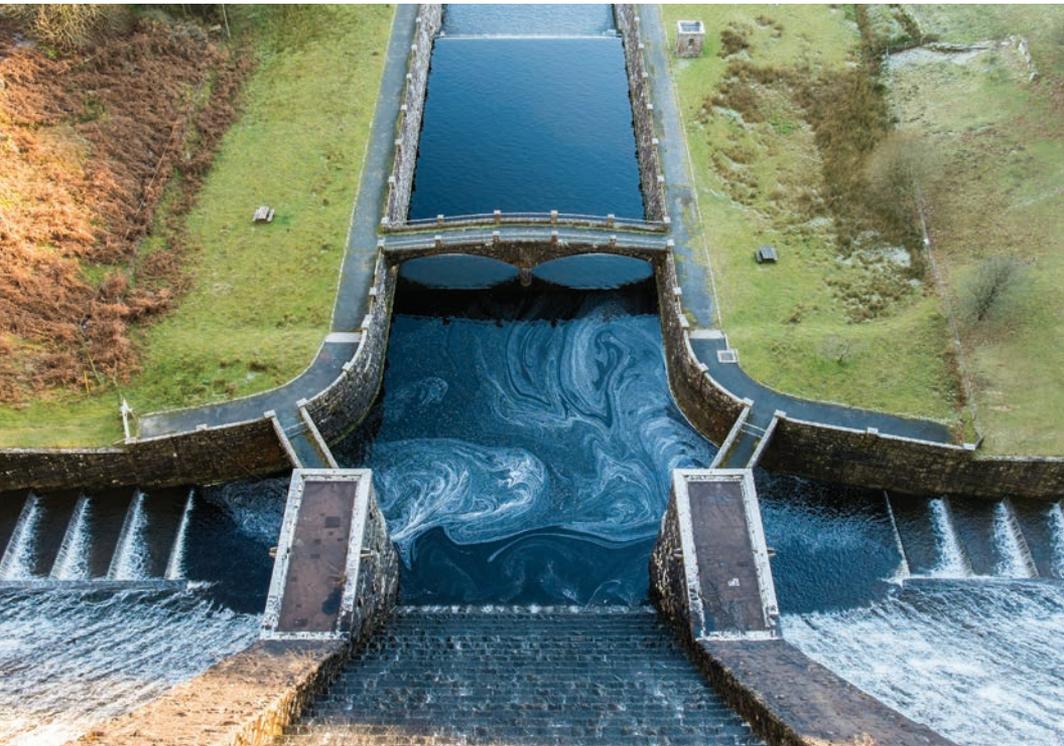
YOU GET TO MODEL YOUR WAY.

You can configure PLEXOS with a limitless collection of scenarios, customized constraints, conditional variables, physical elements, simulation horizons, durations of simulation period, phases in the integration and model resolution.

This data-driven flexibility creates a dynamic solving engine: it adapts to your data to produce the right balance of detail and performance while also giving you ultimate scalability and razor-fine control.

PLEXOS is also completely transparent. If you want to see how the solution delivered the results, all equations, objective functions and constraints are open for you to review.

Benefits of Customizable Flexibility:

- Run real-world studies for greater accuracy
- Analyze hundreds of scenarios for richer insights
- Co-optimize electricity, water and gas systems
- Simulate competitive behaviors

- Choose the level of accuracy over speed
- Demonstrate auditable results
- You get complete control: if you can write a generic constraint on a piece of paper, you can add it into PLEXOS

Energy Exemplar's network is the largest in the industry, with more than

1,500 users from more than **300 organizations** in **52 countries.**

YOU GET TO JOIN A GROWING GLOBAL NETWORK.

Energy Exemplar's network is the largest in the industry, with more than 1,500 users from more than 300 organizations in 52 countries. Since 1999, we've shared expertise and best practices with our clients through forums, webinars, training and user group meetings.

It's through this network that we learn from you, and you also learn from each other. We're committed to facilitating this network, expanding it and creating greater access to all the knowledge that is available across it.

Benefits of the Global Community:

- Network with local, regional and global peers

- Participate in user group meetings around the world

- Grow your presentation and leadership skills

- Provide your input on the platform roadmap

- Get exposure to different approaches to solving problems

- Formalize your PLEXOS knowledge through learning and certification

- Share your experiences with others who are early in their modeling careers

How is PLEXOS Supported?

WE DO MORE THAN PROVIDE A SOFTWARE SOLUTION.

We're an end-to-end partner that works with you throughout your PLEXOS journey. Backed by our team with the highest reputation for customer service, you can rely on us to support you, enterprise-wide.

SIMULATION-READY DATASETS

Better data input means better modeling output. Our dedicated data team stays current with the updates of market data, current market assumptions and emerging data sources so that you get faster start-up and save your time and resources for making impactful analyses.

- Europe
  - Western EU Zonal
  - Eastern EU Zonal
  - Southern EU Zonal
  - Nordic
  - British Isles
  - Individual or connected countries by request
- North America
  - Zonal: North America, WECC, ERCOT, EIC
  - Nodal: WECC, ERCOT, EIC
- Mexico
- Australia
- New Zealand

IMPLEMENTATION

Getting started doesn't need to be difficult or resource intensive. Whether you'd like a completely turn-key solution, a roadmap to do it yourself, or somewhere in-between, our experienced team will help you build a strong foundation for future modeling with confidence.

Expert Advice and Assistance

- Database set-up and simulation settings
- Legacy dataset formatting
- Simulation performance tuning
- Full implementation

TRAINING

Training can take place at any time in your journey with us. Many customers begin their journey with some training as part of their proof of concept. Others choose training once they've gone through implementation. Training sessions are always available one-on-one, but we have other options as well.

We post events on our website at: energyexemplar.com/events

One-On-One or Group Training

- Online and self-paced through our learning management system
- Small group sessions throughout the year
- Several large group sessions in the Americas, Europe and APAC
- Annually at our Energy Market Forecasting Conference

ONGOING SUPPORT

Regardless of what time zone you're in, we're here for you with 24x5 email and phone support.

In addition, we invite all our customers to join our online community, which is a great support hub.

Join Our Online Community

- ✓ Submit Support Queries
- ✓ Access Online Learning Courses
- ✓ Access The Knowledge Base

- ✓ Monitor Support Query Responses And Progress
- ✓ Download Presentations from Other Users Around the World

Energy Exemplar

Energy Exemplar is the industry leader in energy market simulation software. Our software suite, headlined by PLEXOS®, is trusted by more than 1,500 users across every region of the world for a wide range of applications, from short-term analysis to long-term planning studies. Integrated across electricity, gas, and water systems, the PLEXOS® platform provides exceptional decision insights to our customers.

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energyexemplar.com