PLEXOS
CLOUD

Radically change how your
organization runs market
simulations and communicates
study outcomes

Energy
Exemplar

As the world surges toward decarbonization, changing market dynamics require a deeper understanding of the industry than ever before.

Change is accelerating. We are experiencing continental shifts in sourcing energy. The increasing frequency of severe weather events demands greater grid resiliency. The transition from fossil fuels to renewable energy requires supply chains to integrate electricity to gas to power2x.

As a result, staying ahead of today's shifting market dynamics requires more simulation runs, with bigger and more complex energy market models, requiring more computational power.

Introducing PLEXOS Cloud

Energy Exemplar's latest offering built to compliment the award-winning PLEXOS simulation platform. PLEXOS Cloud brings more interaction, greater precision, and deeper contextual insights to energy market modeling. With PLEXOS Cloud's flexible infrastructure, stay ahead of the curve by scaling compute capacity for peak study periods and stochastic runs.

Accelerate your Time to Insight

Faster Startup: Spend more time maximizing simulations and less time wrangling data. Simulation-ready datasets from around the world offer faster time to analysis.

Enhanced Connectivity: PLEXOS Cloud API offers faster integrations than ever before while still offering all of the key capabilities available in the on-prem solution. Users can upload data, run simulations, view study status, and download outputs, all from the API.

Deeper Insights: Stochastic dashboards summarise results across hundreds of runs, allowing users to easily interpret and leverage study outputs. Role-based visualization drives stakeholder engagement and empowers teams with the right information.

Upgraded Performance: With PLEXOS Cloud you can run simulations in minutes vs. days to hours on traditional infrastructure. No modeling runs are too complex. Leverage instant access to thousands of cores anytime, anywhere.

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How does PLEXOS Cloud Integrate with your Existing Infrastructure?

PLEXOS Cloud extends the features of the on-prem PLEXOS software, to offer revolutionary compute power in a modern user interface. Energy Exemplar developed PLEXOS Cloud to maximise the advantages of cloud computing and to provide customers with the most innovative modelling solution in the market. With this powerful tool, organizations can confidently navigate the future, unconstrained by the limits of traditional modelling software.

PLEXOS Cloud offers a single, unified system for running and communicating studies across all users, markets, and locations. This holistic system increases operational vision, so users can utilise insights for developing rate cases, integrated resource planning, and presentations to oversight boards.

Whether you are conducting price forecasting, evaluating capital investments, or assessing risk, PLEXOS Cloud can accelerate your time-to-decision while offering greater precision in study outcomes.

The interactive visualizations within PLEXOS Cloud help to speed up study interpretation and decrease stakeholder learning curves. As your organization integrates PLEXOS Cloud throughout the enterprise, data silos of the past will be transformed into insight-rich hubs, generating better collaboration, wiser decisions, and smarter investments.

> "PLEXOS Cloud helped to enhance the visibility of the network, creating a better understanding of the integration and overall situational awareness between the generation solutions on top of the transmission network and the resulting power flows and grid economics."
>
> – Lincoy Small, Power System Engineer, Jamaica Public Services Company

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Scale Compute Power to Match your Needs

PLEXOS Cloud radically changes how your organization runs market simulations and communicates study outcomes. Data-intensive simulations can take hours or even days to complete using on-premise compute resources. With PLEXOS Cloud's advanced computing capacity you can dramatically reduce simulation run times.

Run simulations in minutes with PLEXOS Cloud that take days on traditional infrastructure. With PLEXOS Cloud's flexible compute, users can right-size their environment with scalable resources, including cores, memory, and clock speed.

Need even greater flexibility? Level up your modeling capability with the ultimate flexibility, Cloud Burst. Cloud Burst provides elastic compute power in 24-hour increments. Access thousands cores of processing power anytime at the click of a button.

53%

53% of Chief Information Officers (CIOs) say that the greatest potential of Cloud-based software is to "improve business revenue using cloud agility, scalability or flexibility"

Source: Gartner Annual CIO Survey

Over 2 Million simulations run on PLEXOS Cloud

Millions of API calls made per day on PLEXOS Cloud
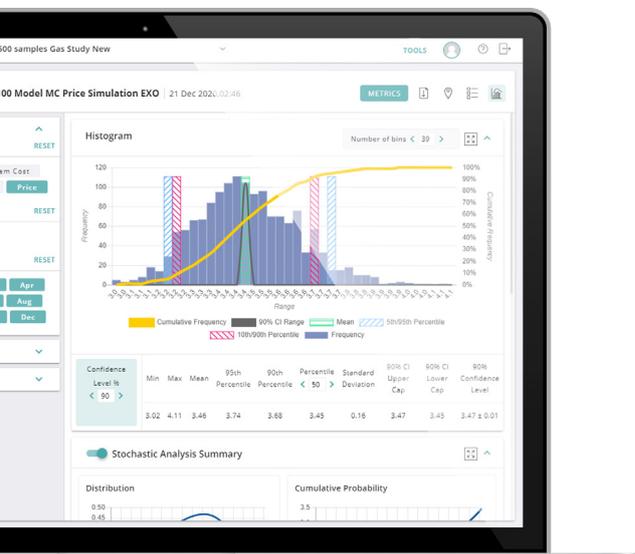
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Customised Toolsets for Deeper Insights

Evaluating model run outputs takes time. PLEXOS Cloud enables modelers and planners to analyse hundreds of model runs faster and more accurately than ever before. Analyzing scenarios through geospatial environments allows you to quickly visualise and gain insights into model results. And with PLEXOS Cloud's stochastic dashboards you can summarise results across hundreds of runs, allowing users to more easily interpret and leverage study outputs.

PLEXOS Cloud Insight Capabilities

- Congestion Analysis
- Monte Carlo Simulation
- Integrated Resource Planning

Enhanced Reporting

Transform insights into data-driven decisions.

Executive level reports and dashboards are out of the box within PLEXOS Cloud. When you use PLEXOS Cloud, extract maximum value from your research without having to spend time scripting and formatting model runs into third party extensions. Collaborate with your entire team on a single, unified platform you already trust and uses your data productively.

Looking for even greater flexibility? PLEXOS Cloud integrates directly with Microsoft Power BI to share reporting and analysis across your entire organization and on tools familar to your team.

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Quicker Insights: Powerful computing shortens the time to your first meaningful insight.

Lower Costs: Decrease infrastructure fixed costs with scalable compute capabilities and instantly scale to meet demand with Cloud Burst elastic compute.

Greater Collaboration: Collaborate in real-time from anywhere in the world. Improve efficiency and lower operational barriers.
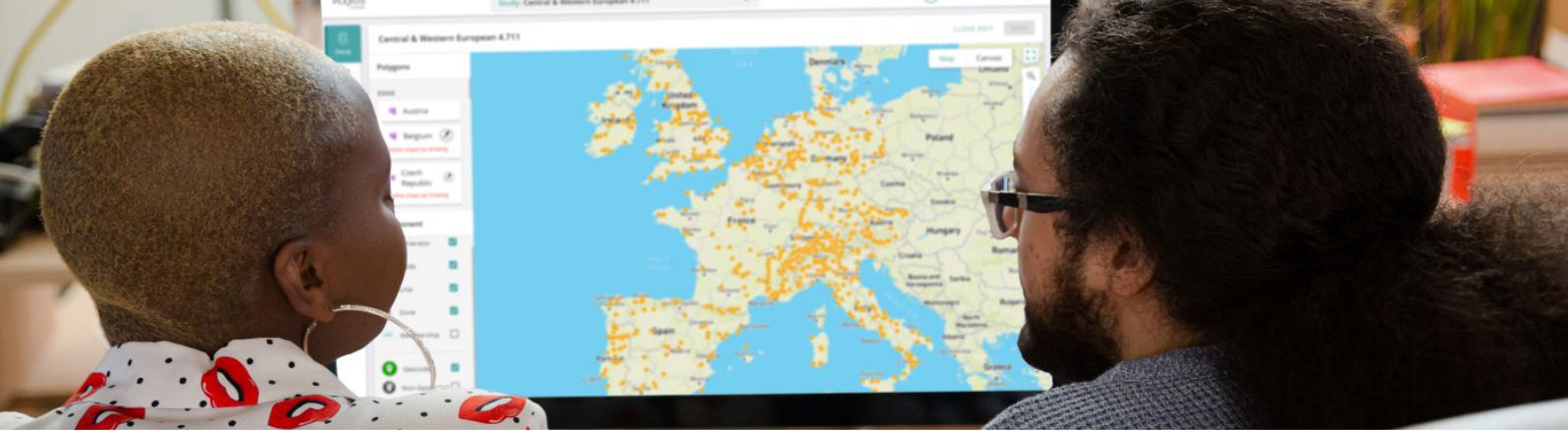
Best in Class Security

End-to-end security has never been more critical, and PLEXOS Cloud provides world-class protection. With PLEXOS Cloud, data is secure, backed up, and recoverable. In other words, it's disaster-proof.

PLEXOS Cloud protects your data with:

- Data encryption in transit and at rest with application tenant-level encryption

- Regular security scans, penetration testing, and vulnerability testing performed by a 3rd party

- Single Sign-On (SSO) authentication to integrate with existing organization access

- 24x7 Application Monitoring, Security Monitoring, and Support

- Status page to view real-time status, incidents, and notifications on planned maintenance

- Recurring backups and disaster recovery

- Each customer has their own tenant, no other customer can access that tenant

- ISO 27001 Certification

- SOC 2 Type 1 and SOC 2 Type 2

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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 modelling with confidence.

- 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.
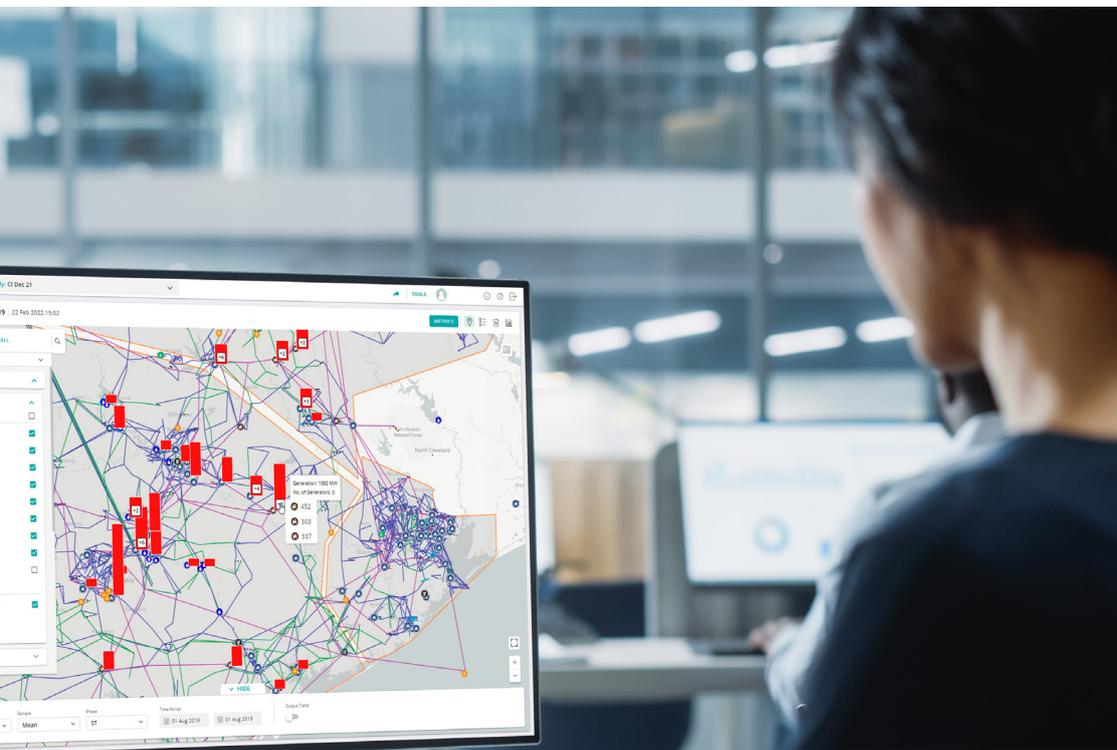
- Online and self-paced through our learning management system
- Monthly training courses covering new features and industry trends
- Live Training and certification opportunites at our Energy Modelling and Simulation Summits

ONGOING SUPPORT

Regardless of time zone, our global support network of PLEXOS experts and developers are available to support your business

In addition, we invite all our customers to join our online community, which includes.

- ✓ Access to Online Learning Courses
- ✓ Submit and Monitor Support Progress and Responses
- ✓ Access the Knowledge Base
- ✓ Download Presentations from Other Users Around the World

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Energy Exemplar is the industry leader in energy market simulation software. Our software suite, headlined by PLEXOS®, is trusted by thousands of users around 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.

www.energyexemplar.com