

## Forecast Building Energy Cost and Performance

Cenergistic<sup>®</sup> Clients Can Make Informed Decisions  
Based on Accurate Building Performance Simulation  
– With The Help Of Simulate's Patented Methods

### Spreadsheets and Manual Calculations Are No Longer Required

Chief Operating Officers, facilities directors and maintenance staff at schools, universities and municipalities are often charged with making environmental building decisions that can impact operating costs and occupant comfort well into the future. Weighing factors such as utility rates, geography, climate, floor plans, occupancy trends, energy demand, thermal and visual comfort, indoor air quality and more can be extremely detailed and complex. It takes sophisticated mathematical modeling to arrive at an accurate forecast of what might happen if, say, you added another building to your portfolio. Or leased a space for weekend use once a month. Or replace the windows in an aging facility. The list goes on and on.

Fortunately, we live in a digital age where performance simulation programs can now create in-depth analysis in seconds, affording planners the flexibility to explore any number of potential scenarios before committing serious resources to a project.

This is where Cenergistic Simulate<sup>®</sup> comes in. Offered to clients as part of Cenergistic's comprehensive energy program, Simulate is an advanced simulation tool that allows your team to calibrate facilities-based energy models around any variety of scenarios, quickly, efficiently and accurately, so you can make more informed building decisions.







## Energy Modeling Based on Facts

Cenergistic Simulate®, as part of the overall Cenergistic® solution, supports operations teams with the tools necessary to reduce energy consumption and lower cost. As a cloud-based simulation tool, the results of Simulate's analyses are accessible over any browser-enabled device. Simulate's pre-built algorithms analyze such factors as historical weather, engineering weather, historical consumption of energy usage per building and more. In addition, Cenergistic® will input your own values relative to a planned energy upgrade, so you can receive accurate outcomes based on your specific project profiles.

Compare modifications to base performance. Calculate the effects of potential changes over time. Drill down into the details and come up with a model that fits your energy consumption and budgetary goals using Simulate, the advanced simulation tool that takes the guesswork out of energy-based decisions. Simulate's patented methods put the power of the only building energy consumption prediction tool on the market directly into the hands of Cenergistic® clients.

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## Measure Twice, Cut Once with Simulate

A Cenergistic® client can use Cenergistic Simulate® to create an accurate baseline profile of every facility in a portfolio and run "what if" scenarios on top of it. Even the most complicated simulations can be managed on the program, using familiar mobile application gestures to demonstrate energy models based on building shape, size, when people are in it, when lights are on or off, temperatures, ventilation, plug loads, mechanical systems and much, much more.



Build models, save models, add variables and re-simulate. The program's output reporting feature allows you to create graphically arresting charts that show the difference between simulated values and real values, helping you present your case and measure results to validate the value of your energy-based decisions.



# Many Uses, Many Benefits

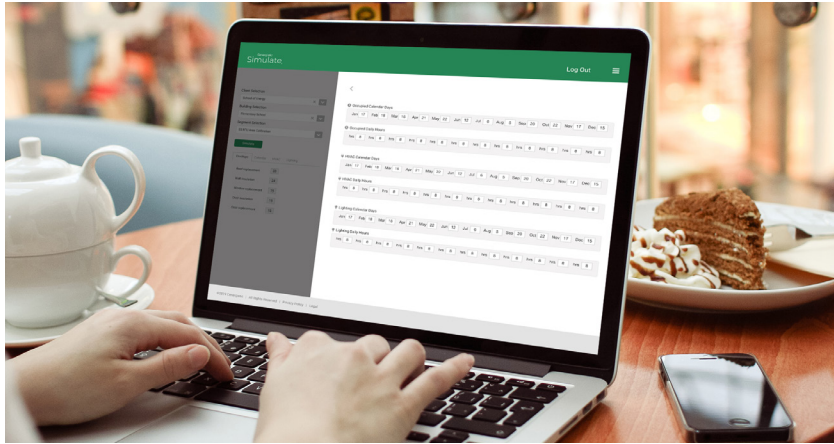
When it comes to making complex energy-related decisions, the ability to see clearly where you're going in advance can save countless dollars, even before the actual savings begin.

Cenergistic® clients use Cenergistic Simulate® to:

- Explore options ahead of spend.
- Simulate operational changes and efficiency upgrades.
- Value upgrades, determine budgets and make intelligent recommendations.
- Develop use cases around existing assets.
- Communicate proposed decisions with visual impact.
- Secure funding based on facts.
- Calibrate potential costs and charges in line with actual expense.

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Cenergistic® understands the complexity of building performance simulations and supports your effort to improve energy efficiency through accurate modeling. If you need a custom calibration, report or simulation created to achieve your specific purposes, just ask. We're here to ensure you get the most from your investment in Cenergistic Simulate®.



## Get Cenergistic Simulate® and Stimulate Performance Today

For more information or to schedule an application demonstration, please contact Cenergistic® at **1-855-798-7779** or visit our website **Cenergistic.com**.

