

An aerial photograph of a dense urban skyline, overlaid with a semi-transparent red filter. A network of thin, glowing red lines crisscrosses the image, connecting various points across the cityscape, suggesting a data or energy network. The text is centered over the image.

The Power of
Energy Superintelligence

stem



Stem pairs energy storage with artificial intelligence to help building operators and energy managers automatically lower energy costs while supporting a reliable, sustainable electric grid.

Energy rates are changing.

How will you adapt?

Decarbonization. Digitization. Decentralization.

These forces of grid modernization are rapidly changing the way we generate and consume electricity. As a result, your energy costs are increasingly driven by *when* you use electricity versus *how much* electricity you use.

Time-based energy prices



Demand charges



Capacity charges



Demand response



Global Adjustment charges



Critical peak rates



Wholesale Prices



Time-of-use rates

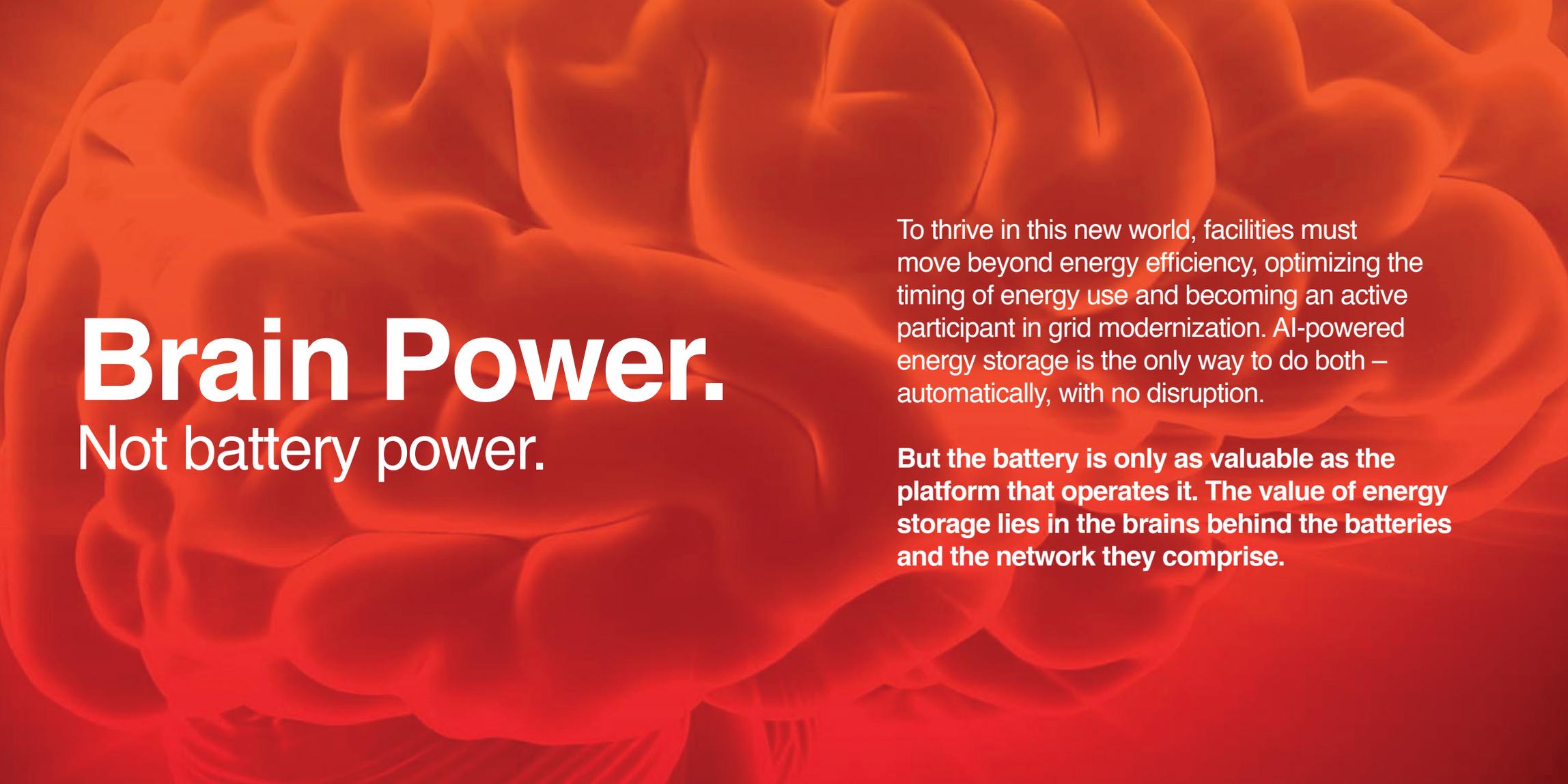


Solar net export

Timing is everything.

Today, 60% of the typical commercial electricity bill is connected to the timing of energy use. As the grid becomes more reliant on decarbonized, intermittent resources, utilities will shift even more of their costs to time-based rates. Timing is critical, but it's complex to manage and requires 24/7 attention.

**Those who can adapt will pay less.
Those who can't will see their bills go up.**



Brain Power.

Not battery power.

To thrive in this new world, facilities must move beyond energy efficiency, optimizing the timing of energy use and becoming an active participant in grid modernization. AI-powered energy storage is the only way to do both – automatically, with no disruption.

But the battery is only as valuable as the platform that operates it. The value of energy storage lies in the brains behind the batteries and the network they comprise.



athenaTM

Meet AthenaTM

The world's first AI for energy storage.

Stem's Athena uses big data and machine learning to optimize the timing of energy use with lightning speed and surgical precision, saving thousands on your energy bill. Athena links facilities into a powerful network that can instantly form virtual power plants that allow you to earn demand response revenue and participate in grid modernization.

We've created a game changing solution for a problem too complex for humans alone to solve. With Athena, we can optimize the timing of energy use like never before.

Aaron De Yonker

Head of Product Innovation at Stem

Automate energy savings

Stem's Athena, the first AI for energy storage, lets you buy electricity when it's affordable and use it later when it's suddenly more expensive. Save thousands without any disruption to operations, staff time, or upfront capital.

Earn with DR and support a clean, reliable grid

Become part of a Virtual Power Plant (VPP) that helps eliminate the need to build new carbon-emitting generation. Improve electricity reliability and reduce emissions throughout your whole community while earning demand response revenue. All with no operational disruption.

Enhance renewable investments

Improve the value of new or existing renewable investments by deploying stored energy when solar production drops off - for instance, in the late afternoon or on a cloudy day. Athena monitors the performance of on-site generation and responds in real time.

Guard against changing energy rates

The electric grid is transforming rapidly, resulting in cost shifts that increase risk and make energy management more complex. Those that can adapt will save, while everyone else will pay more. Athena's algorithms adapt to changing rates, automatically minimizing your facility's exposure to variable and unpredictable costs.

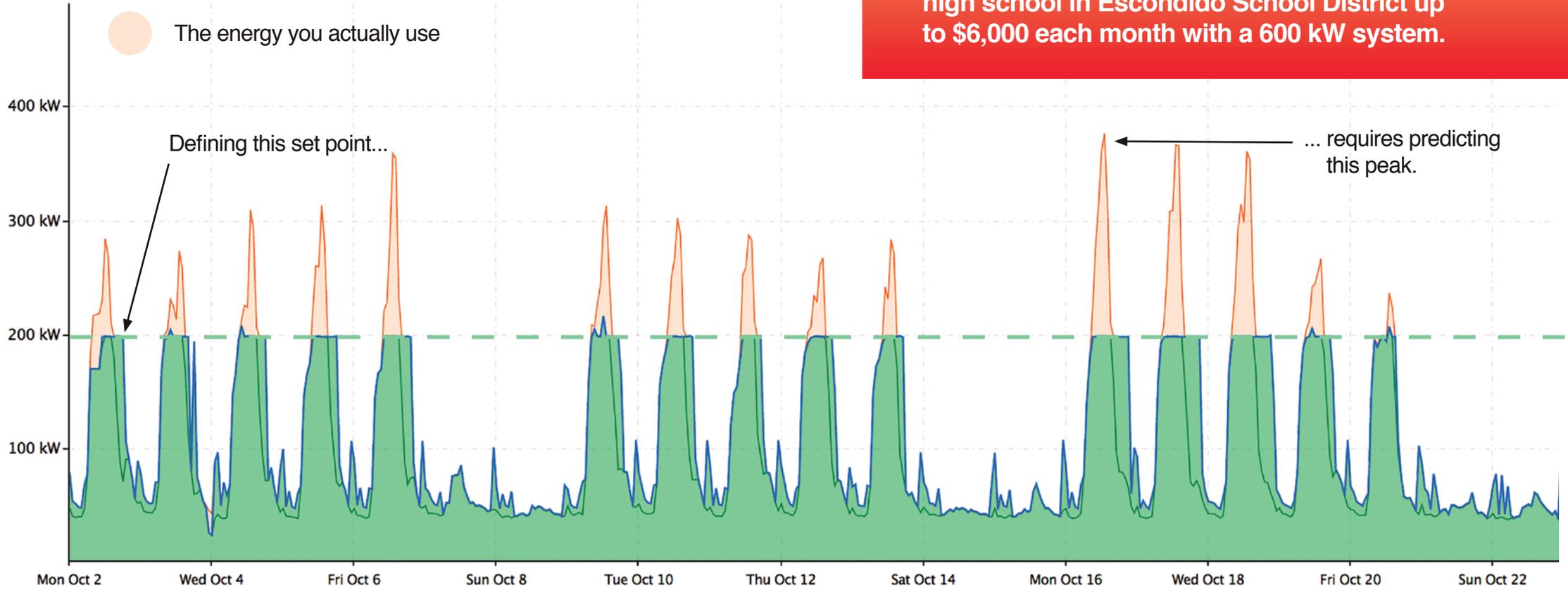


Stem's process to install and implement was seamless, and the realized energy savings with no capital outlay was a big selling point for us. We have seen significant energy savings at our building, more than initially anticipated.

Michelle German
Operations Manager at LBA Realty

-  The energy the utility bills you for
-  The energy you actually use

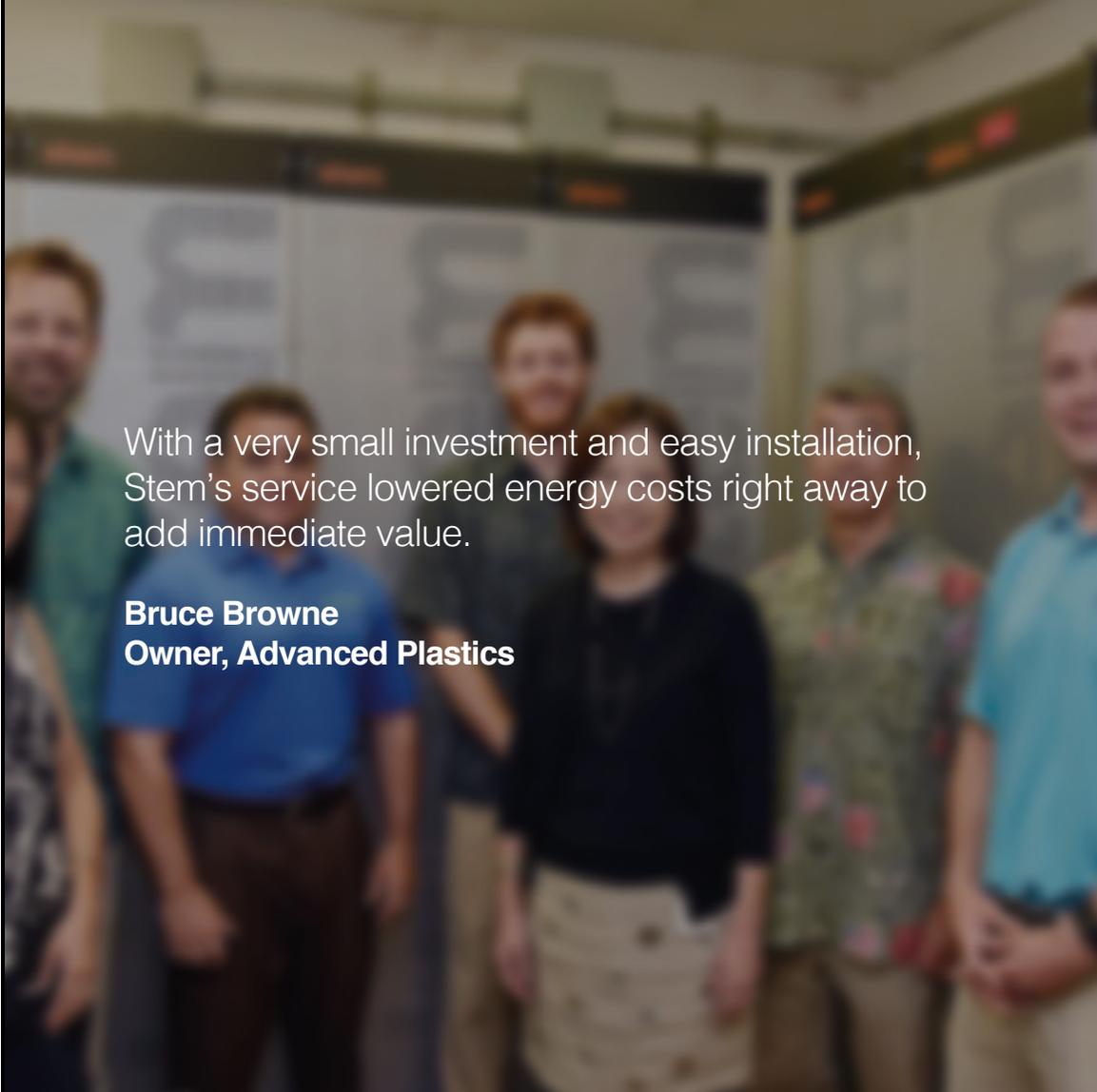
Stem's AI-powered energy storage saves this high school in Escondido School District up to \$6,000 each month with a 600 kW system.



Start saving immediately and let us do everything else.

With Stem's energy services agreement, customers receive guaranteed savings—typically 10 to 25% off electricity bills—without having to pay anything upfront.

Customers subscribe to Stem's service with a flat recurring payment that is easy to budget for and never goes up. Customers save multiple times what they pay. They keep all the upside and enjoy effortless savings that increase over time.

A group of people standing in a room, with Bruce Browne highlighted in the foreground. The background is blurred, showing other people and what appears to be a whiteboard or display board.

With a very small investment and easy installation, Stem's service lowered energy costs right away to add immediate value.

Bruce Browne
Owner, Advanced Plastics



Industry-leading hardware

Stem uses UL-certified energy storage systems from the highest quality Tier 1 suppliers such as Tesla, Panasonic, and LG Chem. They have been thoroughly vetted and tested for safety and performance by independent third parties.

Stem's systems are available in multiple sizing configurations, indoor or outdoor, to match customers' individual energy needs and building footprint.

Stem has cutting edge technology that can be scaled to your particular needs. They are transparent and always available to answer questions.

Kent Ramseyer

Energy Manager at Newport Mesa Unified School District

Join the world's largest energy storage network.

Organizations of all types—from Fortune 500 companies to public institutions to commercial real estate firms—are employing Stem's AI-powered energy storage. Stem's network is saving customers more than \$8 million annually while supporting a better grid for everyone.

Am I the right fit?

Stem works best if your building has maximum demand over 100 kW and you pay demand charges, capacity charges such as ICAP or Global Adjustment, or you're enrolled in demand response.

Visit stem.com to request a free site evaluation.

800+

Systems
in Network

280

Organizations
Trust Stem

80

Municipalities with
Permitted Systems



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JCPenney





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Energy Superintelligence™

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