



Case Study: Fortune 100 Retailer

# Fortune 100 Retailer gains 6x average monthly savings with Stem's Athena®

As part of the Electrodes Holdings LLC portfolio, Stem is operating 10 energy storage sites throughout Southern California for one of the world's largest retailers. Performance across all sites was poor under the original system operator, while six were averaging negative monthly savings. Since Stem's Athena took control of the portfolio, the average monthly savings have increased by more than 600%, with all 10 sites delivering positive results.



### Challenge

The Fortune 100 retailer's original system was experiencing negative monthly savings due to poor software performance from a prior provider, lack of utility integration, and the excess length of time to achieve value.



### Solution

Stem took seamless control of the 10 sites spread across Southern California and provided a level of partnership and expertise that exceeded expectations. By helping improve the systems' energy storage capabilities, UBO, and automated DR through our Athena platform, we help connect all 10 sites into a unified view for simplified clean energy management.



### Results

Stem improved short-term forecast accuracy with an enhanced balance between UBO and DR that showed improvements on day 1 of the billing cycle. The retailer was able to resolve previous metering issues with expert QA against utility meter data by working with Stem's experts.

### Location

Southern California

### Facility Type

Retail

### Solutions

Energy Storage, Utility Bill Optimization (UBO), Demand Response (DR)

### Savings Impact

600% savings increase compared to previous operating platform

### Energy Storage System Size

10 sites with total ESS capacity of 18 MWh

### Commercial Operation Date

May - August 2019

To learn more about Stem's solutions, contact [stem.com/contact-us](https://stem.com/contact-us).