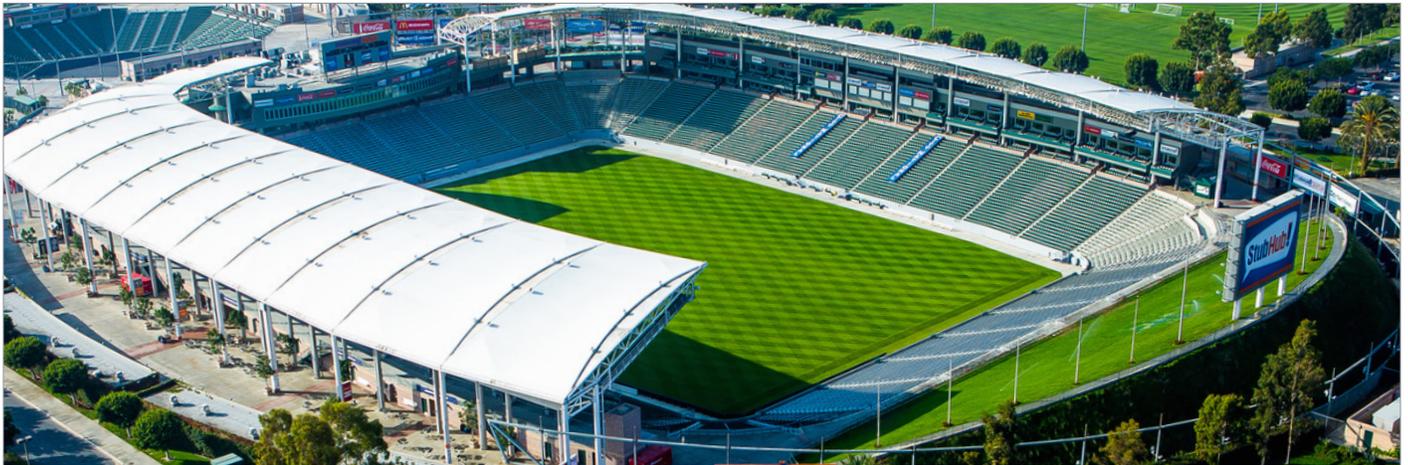


StubHub Center deploys largest energy storage system at any stadium in the country, gaining cost savings and energy flexibility



Location

Carson, California

Building Type

Stadium & sports complex

Applications

demand charge reduction,
demand response,
protection against
rate changes

Activation Date

January 2017

System Size

1 MW / 2 MWh



Stub Hub Center: A leader in energy innovation

Recently named temporary home of the NFL's LA Chargers, and long-time home of the LA Galaxy MLS team, StubHub Center is a state-of-the-art stadium in Carson, California owned and operated by AEG Worldwide. Built in 2003, the 30,000-seat complex includes a football and soccer stadium, tennis stadium, velo sports center, and track and field facility.

The StubHub Center, with partners LA Galaxy and AEG 1EARTH, strives to set the standard for green stadium operations. It's the first soccer-only MLS venue to utilize LED stadium lighting, was the first stadium to irrigate with recycled water, and recently unveiled a new community garden & greenhouse that is supplying fresh produce for team and venue staff.

The StubHub Center is now home to the largest energy storage system deployed at any stadium in the country. With AI-powered energy storage, AEG achieves energy cost savings while reducing exposure to utility rate changes – all without any change to operations.

The power of energy flexibility

AEG pursued energy storage for its ability to adapt to constantly changing energy use and prices. As a stadium serving the public, StubHub Center doesn't have the flexibility to reschedule operations to avoid peak electricity prices. Before energy storage, StubHub Center had to buy electricity at the exact time it was needed, even if prices were 10X more expensive than earlier in the day. Now, with intelligent storage from Stem, AEG can buy electricity when it's cheaper and use it later in the day, reducing time-based energy costs and minimizing exposure to changing rate structures. This energy cost optimization is done automatically, with no impact to operations.

Battery storage is steps ahead of other technologies because energy is always going to cost more at certain times than others. If you can charge the battery when costs are low and deploy it when costs are high, that gives you a hedge. Plus, minor changes to the utility's rate structures won't affect your overall investments, as it would with other technologies such as solar.

Gary Wilson | Chief Engineer at StubHub Center

Supporting a sustainable grid

In addition to reducing its own energy costs, the StubHub Center is doing good for its community by minimizing its impact on the grid during critical energy periods.

The energy storage system at StubHub is digitally linked to the rest of Stem's storage network, creating a virtual power plant that can be called upon by power companies as a cost-effective alternative to fossil-fuel powered resources. This virtual power plant enables greater utilization of renewables like solar, while supporting a more sustainable, efficient and resilient grid.