

Case Study

RagingWire

Solution: Central Utility Plant

Market: Data Centers

Design: Modular

Scope: Design & Fabrication



CHALLENGE

RagingWire owns and operates 830,000 square feet of data center colocation space in Sacramento, California and Ashburn, Virginia. Increasing demand for its colocation services has RagingWire expanding its Ashburn campus with a new 140,000 square foot facility along with its recently opened 180,000 square foot data center on its Sacramento campus. The company is known for delivering 100% availability and a world-class customer experience, serving top enterprise, cloud computing, Internet and government organizations. The company needed a 100% reliable packaged chiller solution for mission critical cooling that is also scalable and flexible in order to keep up with their rapid growth and expansion.

SOLUTION

Stellar Energy's modular water-cooled chiller plant proved to be the perfect solution for RagingWire's needs. The Stellar Energy chiller plant for RagingWire features an efficient modular fabrication, built-in redundancy and environmentally efficient design. The factory built approach offers several benefits, including a shortened construction schedule, improved safety, lower capital and operating costs, better construction quality control and reduced project risk. The modules utilize environmentally friendly non-ozone depleting refrigerant. Built-in redundancy and factory built and tested design ensures 24/7 performance for the mission critical computing systems housed in RagingWire's facilities. Further, the modular solution provides scalability, flexibility and product engineering advantages that allows RagingWire to add cooling capacity as they need it, without any interruption to their critical facility operations.

QUICK FACTS

Owner:	RagingWire
Location:	Ashburn, VA
Plant specs:	1,200 TR modular chiller
Project schedule:	Nov. 2013 – April 2014

"RagingWire is unique in the data center industry in that we design, build and operate our own facilities. Our patented 2N+2 design and in-house construction team allow us to build data centers with twice the redundancy of a traditional data center design at lower cost. Stellar Energy's understanding of the cooling demands for data centers and their system performance guarantees were key reasons we selected them for this project."

John McCrackin
Director of Mechanical Construction
RagingWire Data Centers

Stellar Energy is a global leader in the design, fabrication, installation and operations of a range of energy systems, including Turbine Inlet Air Chilling, District Cooling, Central Utility Plants and Combined Heat & Power. Learn more at www.stellar-energy.net.

