



FES International, Inc.

DATA CENTERS

# Hewlett-Packard



### Challenge

Hewlett-Packard (HP) unveiled one of the most ambitious data center consolidation projects ever involving the consolidation of 85 data centers worldwide into 6 larger centers located in three U.S. cities — Atlanta, Houston, and Austin. Power distribution in this mission-critical configuration required ultra-high efficiency solutions that are unmatched in the industry.

### Solution

FES International was selected to provide industry-exceeding power quality and distribution technologies within HP's new data center facilities.

Given the mission-critical nature of the facilities and HP's business goals, FES International worked with key manufacturing partners to achieve unprecedented efficiency and durability for the infrastructure without sacrifice to power quality. In addition to enhancing the performance of the distribution system, FES International also improved the efficiency and performance of the actual consuming loads (e.g., servers) within the facilities by dramatically decreasing the current and voltage distortion traditionally present in data centers.

### Impact and Results

Having the right supporting power infrastructure is critical to data center operations and success, and FES International's power system optimization solution implemented along with all the entire consolidation effort is projected to help HP reduce its IT spending by approximately \$1 billion in the coming years. Today, the new facilities serve as a showcase for HP Adaptive Infrastructure products and services. The six data centers also provide HP with mission critical operating capacity and quality. The results are more dependable, simplified operations; faster delivery of new technologies, services, and information; and guaranteed business continuity. In addition to gaining agility, HP has significantly reduced costs and now enjoys world class power quality within their data centers.

### Client Profile

The world's largest technology company, HP brings together a portfolio that spans printing, personal computing, software, services, and IT infrastructure, creating seamless, secure, context-aware experiences for a connected world. Operating in more than 170 countries around the world, HP applies new thinking and ideas to create more simple, valuable, and trusted experiences with technology, continuously improving the way its customers live and work.

**Promises Delivered:**

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### To learn more about this project, please contact FES International.

FES International designs and engineers fully customized power system solutions in order to improve the performance and efficiency of the entire electrical distribution system. Contact us today to fully optimize your distribution system:

**(727) 478-7288 or [www.FES-US.com](http://www.FES-US.com)**

CASESTUDY