

New York Data Center Saves Thanks to Efficiency Solution



Energy Independence. More Choice. Less Waste.
**Increase the Quality of Your
Power Through Power Factor
Correction**

Energy Professionals works with leading industry experts to provide power factor solutions, optimizing energy efficiency, resulting in less waste, and reduced energy costs.

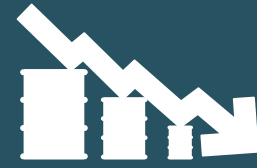
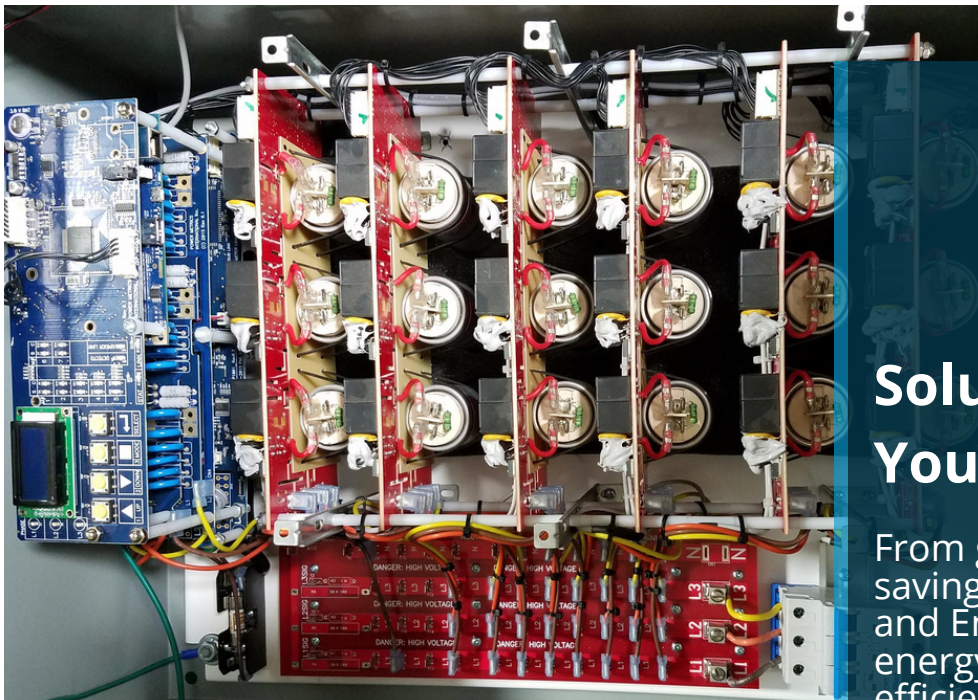
What is Power Factor?

As an energy consumer your business receives power from the grid at 100%. But as that power travels through your building's electrical blueprint and gets used by various equipment, lights, machines, and so on, it loses its effectiveness. Your power factor is a measure of how effectively you use your power. A high power factor means electrical power is used efficiently and effectively. A low power factor signals that the electrical power you pay for is used poorly and inefficiently.

While not all utilities have a designated power factor charge as a line item on your bill, if your power factor is low you're paying additional fees for it because the utility is required to compensate for any businesses with a poor power factor.

So It Was With A New York Data Center:

To drive down expenses, data centers continually focus on their energy efficiency, also known as P.U.E. But one data center in NY was having a hard time driving down energy costs. With thousands of servers running simultaneously around the clock, their computer room air conditioners were using up a lot of energy. One look at their readings told us why: *POOR POWER FACTOR*. Through our unique power factor solution, we were able to re-balance their power factor, improving it by an average of 14.68%, while reducing their demand by an average of 14.33%, saving them \$4,000 in monthly cost.






Solutions Designed For Your Energy Needs

From giving you better control and saving you money with Natural Gas and Energy procurement to creating energy independence with energy efficiency and renewable energy solutions, Energy Professionals designs solutions for your energy needs and budget. Some of our core solutions include:

- Electricity & Natural Gas Procurement
- Utility Cost Recovery
- LED Lighting & Energy Efficiency
- Solar & Renewable Energy
- Energy Intelligence
- HVAC New Life Restoration
- Indoor Air Quality
- Water Conservation
- Backup Batteries & Onsite Generation

The Result

-  A 15% improvement in power factor.
-  Energy efficiency and improved P.U.E.
-  \$48,000 in annual energy savings.

About Energy Professionals

Founded in 1999, Energy Professionals is one of North America's leading energy consultants working with commercial customers to reduce and control their energy budgets. We build client-specific, comprehensive energy strategies that factor in our clients' goals and objectives. Utilizing our extensive network of suppliers, energy efficiency experts and renewable energy partners, we bring the most effective, efficient and innovative technologies to the table. We offer both focused solutions to a specific issue and broad plans to address long-term growth, paving the way for energy independence, providing more choice and less waste.



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