



Large, internationally known food processor

Food processing company improves efficiency and reliability while reducing on-site loading with power quality solution

Hackettstown, New Jersey

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Power quality solution reduces voltage sags and power factor penalty charges.

The challenge

A large, internationally known food and beverage processor in New Jersey had a high-speed processing line and complex packaging line. With a large amount of VFDs on their conveyor lines, they were experiencing issues including voltage sags, power factor penalty charges, higher energy costs, and reduced reliability.

The solution

Looking for ways to solve power issues and improve energy efficiency and operational costs, the food processing company turned to Schneider Electric. With multiple sites, the goal was to improve energy efficiency, optimize power factor, reduce loading, and improve reliability at each site.

A power quality solution was implemented that included a combination of active filters and capacitor banks. This allowed for rapid injection of reactive power on the line. Quick switching maximized compensation and delivered greater energy savings. Products installed as part of the overall solution included AccuSine™ active filters, ReactiVar™ AT6000, and the SagFighter™ active voltage conditioner.

The results

- Improved reliability of network
- Reduced small sags by over 87 percent
- Improved savings between 3 – 7 percent
- Eliminated power factor surcharge
- Increased available system capacity

Power quality solution benefits:

- Improve energy efficiency
- Maximize system capacity
- Reduce downtime
- Increase equipment and facility reliability
- Lower operating and energy costs
- Eliminate power factor penalties
- Minimize voltage fluctuations and improve processes

87%
small sag reduction

3 – 7%
improved savings



ReactiVar AT6000 transient-free reactive compensation system



AccuSine active harmonic filters



SagFighter active voltage conditioner



To learn how to improve power quality at your facility,
email powersolutions@schneider-electric.com.



Watch the video and learn the benefits
of power quality solutions!

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November 2015
Document Number 7600HO1508

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