



Client Objectives:

Alcom is a full service print solutions provider that is dedicated to providing quality print products, methodologies and integrated direct marketing solutions for your company's long-term business growth, from start to finish. With over 60 years of experience, Alcom provides full service solutions for all of your print needs.

Alcom contacted AEDG as they were experiencing issues related to their machinery going down due to, at the time, unknown causes. AEDG suspected the machinery issues were related to power quality issues such as harmonics, internal and external surges.

AEDG dispatched service partner RWorld Energy Solutions.

Alcom

Our Solution:

First a detailed review of utility information and a thorough walkthrough of the facility were performed to understand the layout of equipment. Next data loggers were attached to the main service and the compressor room panel for two weeks.

While the analysis of the data did not show any overt issues, Alcom continued to experience issues with equipment failure due to unknown causes. After further consideration, it was determined the most likely cause of these issues we're from a power quality standpoint which was causing spikes in the system. AEDG then recommended the installation of surge protection devices (SPDs) and fixed capacitors throughout the facility.

Benefits:

- Capacitors in addition to avoiding power factor charges will reduce line losses, improve system current carrying capacity and voltage
- Improved voltage will translate into cooler, more efficient, longer running motors and energy savings
- SPDs will eliminate future equipment failures due to surge events