



PROJECT HIGHLIGHT

Major Penalty Savings for Leading Corrugated Box Manufacturer

The Goal

A leading corrugated box manufacturer approached Ally Energy Solutions to assist in the client's commitment to "big-picture thinking" regarding sustainability. AES analyzed their portfolio and concluded the client was charged a Power Factor penalty from the electric utility at multiple plants. The client relied on AES's vast knowledge of utility tariffs to guide them through the process of quantifying emissions reduction and potential savings resulting from improved Power Factor.

The Proposal

Ally Energy Solutions provided bill audits of the client's portfolio and identified opportunities for Power Factor savings at 8 plants across numerous states. AES suggested a turnkey Power Factor Correction solution, with guaranteed Power Factor Improvement, to reduce the load on the transformers and power conductors.

The Solution

As the proven and most economical method of improving Power Factor and avoiding Power Factor penalties, Capacitor Banks and Harmonic Filters were implemented at the 8 plants to bridge the gap between power use and power waste. The solution included technical and savings analytics, equipment specification and build, installation, post-installation measurement and verification, and warranty.

The Results



2.34 Years
Client ROI



\$192,000
Annual PFC Penalty Savings