



CASE STUDY: NATIONAL AUTOMOTIVE AFTERMARKET RETAILERS

About the Customer

The customer is a national service organization with over 88 years of expertise in distributing automotive replacement parts, industrial replacement parts, office products and electrical/ electronic materials. Headquartered in the US, Its five business lines span eight countries, employing approximately 39,600 people. As of 2016, the Company is a \$15.4B enterprise.

Protecting margins is critical to the performance of the Company in a very competitive space. The Company is interested in pursuing ways it could reduce its operating costs at its more than 2,650 distribution and retail centers.

The Problem

Company leadership identified energy in its domestic locations as a key line item to focus on. Specifically, they wanted to reduce the energy spend on lighting in its 26 US auto parts distribution centers, where the energy lighting budget tops \$1.3 million every year.

The Company engaged in pilot programs with two other full-service energy firms to perform energy studies, engineering, design and installation. The Company found the timelines to be too long, producing questions about quality and reliability. It needed a full-service energy firm that had the expertise to drive results and resources and bandwidth to match its footprint.

THE CHALLENGE

The Company needed help understanding where its biggest energy users are located and what they could do to each location to reduce the energy budget.

26 

DISTRIBUTION CENTERS (DCS)
in 22 states



Needed to find a partner to manage energy as portfolio



Could not afford any downtime at its retail or DC locations



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Before



After

The Solution

The Company engaged Verde Solutions as a pilot program. The goals of the initial program were aggressive. The previous energy firms performed 4 site surveys in 30 days—The Company wanted Verde Solutions to perform site surveys on all 26 DCs in 30 days.

In April, Verde Solutions worked with the Company's internal project managers to develop a critical path to deliver designs and implement new technology. The plan was to convert the DC's fluorescent lighting fixtures to energy-efficient LED's, and implement sensors and controls.

The Results:



Before



After

Total Lifecycle Energy Costs – Existing Lights: \$17,385,400

Total Lifecycle Energy Costs – New LED's Lights: \$7,775,900

Gross Lifecycle Energy Savings \$9,609,500

Energy Reduction for Lighting	55.3%	Energy Savings ROI	3.34 Years
Total Project Cost	\$3,047,310	Systemwide Annual Energy Savings	\$764,757
Rebates and Incentives	\$523,235	Additional Savings (O&M, Waste Disposal, Replacement)	\$129,648.00
NET Cost	\$2,556,052	Adjusted ROI	2.85 Years