

GreenTech Delivers 76% Reduction in Energy Consumption for Apex Aridyne

GreenTech Solutions Group helps textile mill cut operational costs, improve working conditions, and reduce energy use with quick payback period.

GRAHAM, NC, June 20, 2016 – [GreenTech Solutions Group](#) worked with Apex Mills to upgrade to more energy efficient lighting at its Graham, NC textile mill, Apex Aridyne, resulting in **76% reduction of energy and maintenance cost**. The Apex Mills company will also see a rapid **1.5 year payback period for this investment**.

[Apex Mills](#) is rapidly heading towards a more sustainable approach to manufacturing textiles and is dedicated to making production practices more sustainable. To that end, it **looked to GreenTech to update the existing lighting in the mill to improve the lighting conditions, reduce their cost of energy, and**



alleviate the time and cost of replacing inefficient lamps and ballasts. GreenTech Solutions Group V.P. of Business Development Scott Jernigan said, “It was such a pleasure to work with everyone there to increase the safety and efficiency of the mill by greatly improving the light levels in the manufacturing plant as well as the exterior of the facility.”

Apex Mills CEO and Owner Jonathan Kurz said, “With a keen focus on industry trends and the needs of our customers, Apex Mills consistently looks to bring new textile advancements to market. Keeping our mill functioning efficiently and giving our employees the tools they need to grow is the core of doing business well. I am thankful to GreenTech for not only making us more energy efficient, but for helping us receive rebates that we can reinvest into the business to benefit our employees, community, and customers.”

GreenTech carefully gathered data on Apex Aridyne’s current lighting configuration for insight into its energy usage, operational costs, and existing light levels. It then designed a retrofit layout for the building which resulted in a more than 75 percent reduction in Apex Aridyne’s annual energy consumption and maintenance cost.

In addition to the energy savings, **GreenTech helped Apex Aridyne receive rebates from Duke Energy as well as securing a 25% grant from the USDA.** In all, the incentives helped to **subsidize more than 70% of the cost of the project.** “We were pleased to be able to deliver a quick payback period through rebates and incentives,” Jernigan added.



Furthermore, operations manager Jay Huffman has been relieved of the constant replacement of T12 and metal halide technology. “We love the lighting, however, I was even happier when my boss told me we received the generous lighting rebates that GreenTech had projected,” said Huffman.

After the project was completed, the end result is a safer, more efficient workplace with the following financial benefits:

- 1.5 year payback period
- 76% reduction of energy and maintenance cost
- 892,642 kWh reduction in annual energy usage
- \$69,378 in annual operational cost savings

GreenTech Solutions Group commended Apex Mills for their forward-thinking mindset toward a more sustainable approach to manufacturing textiles. “We love it when we can offer solutions to help a business become more energy efficient, not only to reduce costs and energy consumption, but also to have a lasting impact on the environment,” said GreenTech President and CEO Glenn Edmonds. “We know Apex Mills will have a quick return on their investment, but they will also continue to save far into the future.”

About GreenTech Solutions Group: Founded in 2009, GreenTech Solutions Group is designed full-service consulting firm to deliver proven energy-efficiency solutions that reduce clients’



consumption, help protect our environment, conserve resources, and ultimately generate a timely return on investment. We specialize in cutting-edge energy-efficient lighting, alternative energy production, mechanical efficiency, energy management, water conservation, electric vehicles, and more, planning and implementing projects for businesses of all sizes in every industry nationwide. For more information visit:

<http://www.greentechsolutionsgroup.com/>

GreenTech Solutions Group, 4724 Hargrove Rd., Suite 184, Raleigh, NC 27616