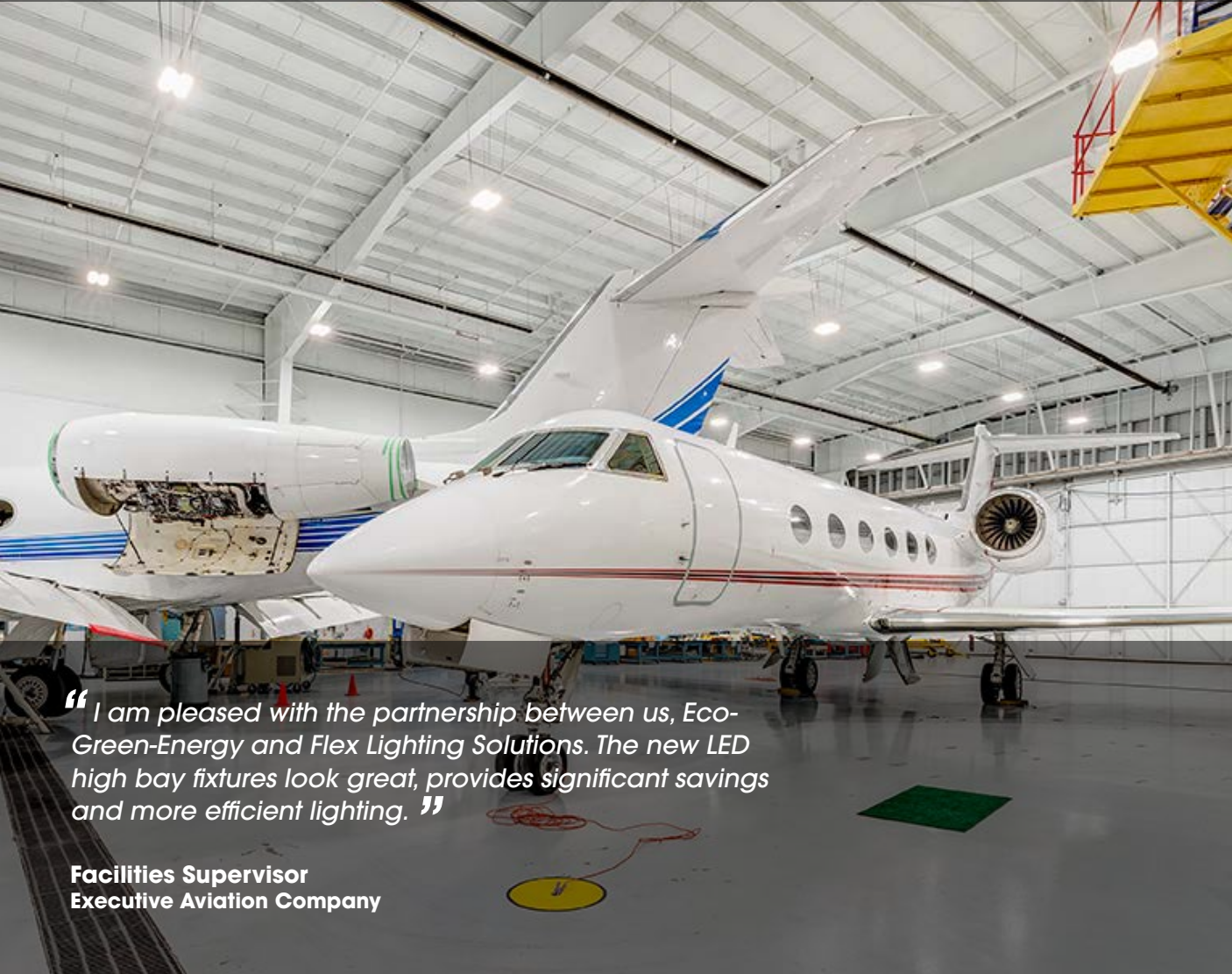


Executive Aviation Hangar Upgrades to LED Lighting with Flex Lighting Solutions



“ I am pleased with the partnership between us, Eco-Green-Energy and Flex Lighting Solutions. The new LED high bay fixtures look great, provides significant savings and more efficient lighting. ”

Facilities Supervisor
Executive Aviation Company

Location: Eastpointe, MI

Application: Airport Hangars

End Customer: Executive Aviation Company

Partner: Eco-Green Energy

Facility

The executive aviation company's 27,000-square foot hangars, located in a Southeastern Michigan County Airport, are utilized for maintenance and repair services as well as airplane storage. Setting the standard in aviation, two of their five facilities were enhanced by this lighting upgrade.

Key Results

- 69% Energy Savings
- \$15,495 Annual Cost Savings
- 3.21 Year Payback
- Increased Light Levels from 25 Foot-candles to 32
- Reduced Annual Maintenance Costs
- Provided Even Light Distribution

Overview

The executive aviation customer is a leader in the world of business aviation, from aircraft management and maintenance to private jet charter. Eco-Green-Energy, a Flex Lighting Solutions partner, conducted a free analysis of the lighting system of two of the customer's airport hangars located in a Southeastern Michigan County Airport and discovered there was an opportunity to improve the current lighting levels while reducing energy and maintenance costs.

Challenge

After providing award-winning services for the past 50-years, the executive aviation customer had a requirement for a quality lighting fixture by a company that stands behind their product.

The challenge was to find the best product for the application to achieve the recommended light levels, with a special request. In this particular hangar, the lights hung down below the water suppression unit located above the airplanes. Due to a past situation when the fire sprinklers were accidentally activated, the customer had to replace their entire lighting system after it had been damaged. Not to experience that costly situation again, they requested the replacement lights to be wet location rated.



Essentials Series 4.0

The last challenges to overcome were to seek final approval from the executive team – CFO and Head of Maintenance – coupled with working the lighting upgrade into the budget.

Solution

Eco-Green Energy knew Flex Lighting Solutions was the perfect partner for the job. They toured the customer's key decision makers to other facilities to showcase and see other Essential Series 4.0 LED high bay applications which helped the customer to move forward with the lighting upgrade.

"We have found the Flex Lighting Solutions products to be high quality and a company that is respected in the industry and easy to work with," shared Sheldon Wardwell, Principle and President – Corporate Strategy and Marketing of Eco-Green-Energy.

The project consisted of a one for one replacement of 88 fixtures, changing out 6 Lamp T-5 fluorescent fixtures with the Essentials Series 4.0 LED high bay luminaires with wet location rated option to meet the customer's special request.

"Eco-Green-Energy provided added value to us by advising us to wait for the new fixtures from Flex that are wet location rated, ensuring us that if the fire suppression system were to be triggered, the water would not damage the new lighting fixtures," shared the Facilities Supervisor of the Executive Aviation Company.

The light levels in the hangars were improved from 25 to 32 foot-candles. With increased light and even light distribution, this provided an overall enhanced atmosphere in the customer's hangars.

With the customer, operating 6 days a week, 18-hours a day, achieved 69% energy savings after the lighting upgrade, obtaining annual cost savings of \$15,495. Additional savings are also expected from reduced labor and maintenance costs, not having to service 528 fluorescent tubes on a frequent basis and replace ballasts.

"The feedback from the customer's workforce has been very positive with all recognizing the improved lighting levels in the hangars," added Wardwell.

In compliance with our customer's privacy policy; their company name has been omitted.

For more information, please visit www.flexlightingsolutions.com

Flex is a leading end-to-end supply chain solutions company that delivers design, engineering, manufacturing and logistics services to a range of industries and end-markets, including data networking, telecom, enterprise computing and storage, industrial, capital equipment, appliances, automation, medical, automotive, aerospace and defense, energy, mobile, computing and other electronic product categories. Flex is an industry leader that helps its customers design, build, ship, and service their products through an unparalleled network of facilities in more than 30 countries and across four continents.