

## COMPANY CASE STUDY

Columbia Manufacturing, Inc.  
*World Class Aerospace Supplier*



### AT A GLANCE

#### Deliverables

- 23% Annual Return on Investment
- Over \$19,000 in annual savings
- Positive cash-flow of \$109,691 over 10 years

#### Benefits

- Improved foot-candles and color rendering
- Reduced Operational Cost
- Safer working environment

### OBJECTIVES

Greenleaf Energy Solutions was pleased to present this proposal for a new energy efficient lighting system. The turnkey package that we presented, included all materials and labor required to complete the lighting retrofit. In addition, Greenleaf Energy Solutions handled all administration and documentation to secure utility incentives.

### ABOUT THE JOB

#### About Columbia Manufacturing

Columbia Manufacturing has proudly served customers in the aerospace and related industries since 1980. They provide precision components for domestic and international turbine engine manufacturers and fabricate/repair complex sheet metal assemblies.

#### What measures we installed

All of the manufacturing floor high-bays were replaced with high efficiency GE LED fixtures. These luminaires came equipped with integrated Daintree sensors and controls.

#### How these measures benefited Columbia Manufacturing

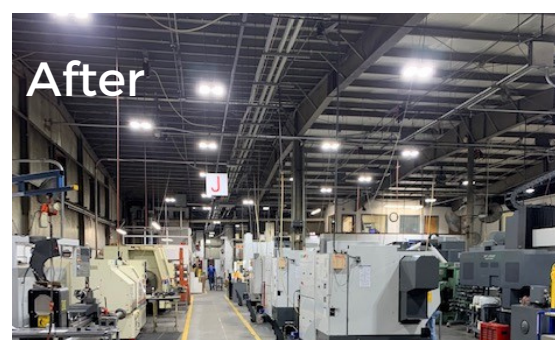
Columbia benefited from a large reduction in operating and energy costs. The new equipment installed increased foot candles and color-rendering making for a safer and more productive working environment. Upon completion of the job, all products and workmanship are fully warranted by Greenleaf for 5 years.

### ABOUT GREENLEAF ENERGY SOLUTIONS

Greenleaf Energy Solutions is a national company dedicated to helping its customers implement energy efficiency solutions. Greenleaf ensures a seamless process with minimal disruption to our customers daily operations. We work closely with all local utility companies to secure the maximum incentives available.



Before



After



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## INCORPORATING GREEN INITIATIVES

### Energy Efficiency Design and Installation Services

Greenleaf Energy Solutions (GES) delivers practical commercial energy efficiency solutions to meet your energy, environmental and social ideals and save you a lot money....

#### Best Service



Start your project with a free Energy Assessment. Determine your current energy intake and spend then compare it to our proposed Watts.

#### 24/7 Support



Greenleaf is determined to make your Green energy transition as transparent as possible. We encourage our clients to contact us with questions of any size.

#### Proven Network



Curious about long term results? Reach out to anyone of our previous customers to find out exactly how our process went with their business!



*" The lights made a tremendous difference in our shop... when parts come off the machines the team can clearly spot any defects or imperfections before going to quality control"*

**KEITH HEINONEN, FACILITY MANAGER.**

**Greenleaf** energy solutions

For more information, visit [www.greenleafenergy.com](http://www.greenleafenergy.com) or  
Call: 475-675-5972, Mail: [savings@greenleafenergy.com](mailto:savings@greenleafenergy.com)