TITAN ENERGY
Creative energy solutions

Case Study

Upgrade LED Curing Lamps at Large Label Manufacturer

Collaboration with the utility incentive funding program results in an improved manufacturing process and lower operations costs.

CHALLENGE

Titan Energy was called in by a label manufacturer to analyze, audit and capture utility lighting incentives for a location in the Northeast. The mercury vapor lamps in the press used in the curing process were old and inefficient and needed to be replaced with new high efficiency LED lamps.

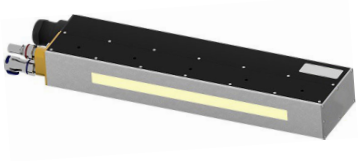
APPROACH AND SOLUTION

Utilizing an audit comparing the old UV curing technology and new UV LED fixtures, Titan was able to use its expertise to obtain utility incentive funds for a non-routine, hybrid LED processing application by demonstrating a significant reduction in energy use during the printing process.

These incentives covered 45% of project costs and instantly increased the net return on investment. With the new UV LED lighting fixtures, the label manufacturer was able to reduce maintenance downtime and increase label production by 33%, as the fixture increased processing from 600 units/minute to 800 units/minute, while simultaneously reducing energy use.

Titan also secured custom electricity pricing to better reflect the facility's low demand usage allowing them to take advantage of rate savings. Furthermore, Titan upgraded all building lighting to LED throughout the facility, reducing operational costs for years to come.

AT A GLANCE



- **Building Type:** Commercial Printer
- **Services Performed:** Engineering, Project Management, Utility Rebate Procurement
- Increased production by 33%; went from 600 units/minute to 800 units/minute
- Saving $162,841 annually
- Saving 11.08 million kilowatt-hours over 10 years
- Summer demand savings of 144kW
- Winter demand savings of 113kW

TO SCHEDULE A CONSULTATION: TITANENERGYNE.COM

TITAN ENERGY Creative energy solutions **www.titanenergyne.com** | 877.285.8590 | info@titanenergyne.com