



CASE STUDY

SMOOTH-ON Easton, Pennsylvania



Smooth-on is a leading manufacturer of rubber, plastic and foam molds used for sculptures, architectural ornamentation, product prototypes, and special effects for movies. The company hired GreenTech Energy Services to help reduce energy usage and operational costs in its Easton, PA headquarters, a 42,000-square-foot facility. GreenTech replaced 400-watt metal halides in the warehouse with T5 fixtures, which, in a space with higher ceilings, offered the best way to reduce energy use while maintaining foot-candles. GreenTech then retrofit fixtures in the offices with T8 lamps and low-power ballast, reducing the per fixture wattage from 485 to 234. Finally, the 20-watt lamps in the exit signs were replaced with 2-watt LED lights, which are guaranteed to last for 50 years.

The lighting project has not only created a safer, brighter, more aesthetically pleasing work environment, but has also enhanced quality control, since high quality lighting reduces the potential for mistakes in the construction of the molds and sculptures.

SAVINGS

Program Costs	\$37,024
EPACT Tax Savings	\$6,451
Payback	3.5
KW Saved	26
KWH Saved	93,173
Energy Savings	\$7,686
Operational Savings	\$1,111
Total Savings	\$8,797

ENVIRONMENTAL IMPACT

Reduction in Carbon Dioxide (pounds)	139,760
Reduction in Sulfur Dioxide (grams)	521,769
Reduction in Nitrogen Oxide (grams)	232,933

GreenTech Energy Services, 122
East Kings Hwy, Ste 503, Maple
Shade, NJ 08052
Phone: 800-690-0420 Fax: 856-
778-1668

www.greentechenergy.com

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