



CASE STUDY

Simona America Hazelton, Pennsylvania



Simona America, one of the leading manufacturers and distributors of thermoplastic products, recently hired GreenTech Energy Services to upgrade all interior lights in its 180,000 square foot Hazelton plant, saving energy and reducing the company's carbon footprint. In addition to new lights, motion sensors were also installed in several areas of the factory and the office to further reduce energy demands when areas are unoccupied.

The new high-efficiency lights have slashed the energy requirement for lighting by 60% versus the previous light fixtures, and will reduce the amount of carbon dioxide generated to light the facility by nearly 500 metric tons per year. The facility is much brighter than before and the whiteness of the light makes it easier to assess sheet quality. The project was completed in less than two weeks and many old fixtures were able to be retrofitted with new bulbs, minimizing the waste generated.

PROJECTED SAVINGS

- Program Costs.....\$86,074
- EPACT Tax Savings.....\$20,480
- Utility Rebate.....\$16,558
- Payback Period.....0.8 years
- KW Saved...68
- KWH Saved.....677,148
- Energy Savings.....\$55,784
- Operational Savings.....\$2,582
- Total Savings.....\$58,366

ENVIRONMENTAL IMPACT

- Reduction in Carbon Dioxide (pounds)..... 1,015,722
- Reduction in Sulfur Dioxide (grams)..... 3,792,029
- Reduction in Nitrogen Oxide (grams).....1,692,870

According to Ron Denoo, Simona's President & CEO, this project is in perfect alignment with SIMONA's culture and long history of environmental sensitivity. "We have a product portfolio which is focused on safety critical and environmental applications, and sustainability in our production methods is one of our strategic initiatives," says Denoo, adding that GreenTech's crew was excellent to work with. We're very pleased with the execution and results of the project," he says.