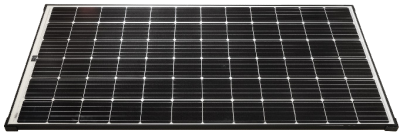
Case Study
Production Facility - FUSION™

ITU AbsorbTech - New Berlin, WI



FUSION™
Solar-Powered LED

70% energy reduction with LED upgrade

$6,750 electrical cost savings

Project Data	Type	Qty	Energy per Unit	Annual kWh Consumption
Prior System	400W HID	37	460W	61,635 kWh
	400W HPS	11	465W	
energybank	LED + FUSION	54	120W max	18,346 kWh

NET ANNUAL ENERGY REDUCTION:	**43,290 kWh**
ANNUAL ENERGY REDUCTION:	**70%**
ANNUAL BASELOAD KW REDUCTION:	**6.7 kW**

** Additional lighting savings in maintenance and repair + solar contribution during peak*

This lighting project includes award-winning FUSION™ solar-powered LED.

Energy savings from this project have a positive impact on Greenhouse Gas emissions. **43,290 kWh** reduction is the equivalent of:

- Avoiding **33.7 tons** of CO_2
- Eliminating the greenhouse gas emissions from **75,950 miles** driven by an average passenger vehicles over one year
- Eliminating the CO_2 emissions from **3,444 gallons** of gasoline consumed
- The carbon sequesterd by **40 acres** of US Forest in one year

Harnessing the Power of the Sun

ITU AbsorbTech has put the power of the sun to work in their production and warehouse facility utilizing solar power during peak rates to illuminate their new, energy-efficient, high-performance high bay fixtures. With the upgrade from their existing lighting fixtures to high-performance LED, ITU AbsorbTech achieved a 70% energy reduction. Solar contribution from FUSION delivers an additional energy reduction on the LED lighting system. In addition to energy savings, ITU AbsorbTech understands that visibility is a critical aspect of their success. The new FUSION LED lighting system delivers quality light with industry-leading CRI to enhance accuracy, attention to detail and safety. That's LED Done Right®. Efficient. Sustainable. Good Business.

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