



Jervis B. Webb Company

completes an energy-effective lighting project with MTI Lighting Specialists.



ABOUT...JERVIS B. WEBB COMPANY

The Jervis B. Webb Company is a manufacturing plant that produces custom engineered conveying systems used in operation such as automotive production, bulk and baggage handling, automated newsprint handling, beverage bottling and furniture manufacturing. Products include airport systems, automatic guided vehicles, and roller conveyers. Through facilities in North America, Europe, Asia and Australia, the family-owned firm also offers maintenance, and support services. Webb installed a \$17 million baggage system for Continental Airlines' terminal at the George Bush Intercontinental Airport in Houston.

MTI CASE STUDY

NEARLY \$1 MILLION IN ENERGY SAVINGS OVER A TEN-YEAR PERIOD!

Just **ROLLING** in more **PROFITS**...

Jervis B. Webb's manufacturing plant is headquartered in Farmington Hills, Michigan. The facility is **180,000 sq. ft. / 16,723 sq. meters**. They completed a lighting upgrade project with MTI Lighting Specialists in 1995 that will save them over **520,000 kilowatt hours of electricity annually**. The Farmington Hills locations will see nearly **\$1 million in energy savings over a ten-year period**.

STUDY DETAILS...

Detroit Edison Rebate	\$58,286.00
Total Cost After Rebate	\$110,222.00
Total Number of Fixtures	5,411
Return on Investment	14.05 months
Kilowatt Hour Savings	528,320
Annual Energy Savings	\$80,233.36
Associated HVAC Savings	\$10,522.75
Total Annual Savings	\$94,109.83

EFFICIENCY MEASURES...

- 1) Retrofit existing 4' one lamp fluorescent strip fixtures with an electronic ballast and one T-8 lamp. (Tandem wired)
- 2) Retrofit existing 3' one lamp fluorescent fixtures with an electronic ballast and one T-8 lamp. (Tandem wired)
- 3) Retrofit existing 1' x 4' two lamp fluorescent fixtures with an electronic ballast, a reflector and two T-8 lamps.
- 4) Retrofit existing 2' x 4' two lamp fluorescent fixtures with an electronic ballast, a reflector system and two T-8 lamps.
- 5) Retrofit existing 2' x 4' four lamp fluorescent fixtures with an electronic ballast and four T-8 lamps.
- 6) Retrofit existing 4' two lamp industrial fluorescent fixtures with an electronic ballast and two T-8 lamps.
- 7) Retrofit existing exit signs with LED technology retrofit kits.
- 8) Retrofit existing 2' x 4' four lamp fluorescent fixtures with an electronic ballast, reflector system and two T-8 lamps.
- 9) Occupancy sensors were installed for lighting control and energy savings.