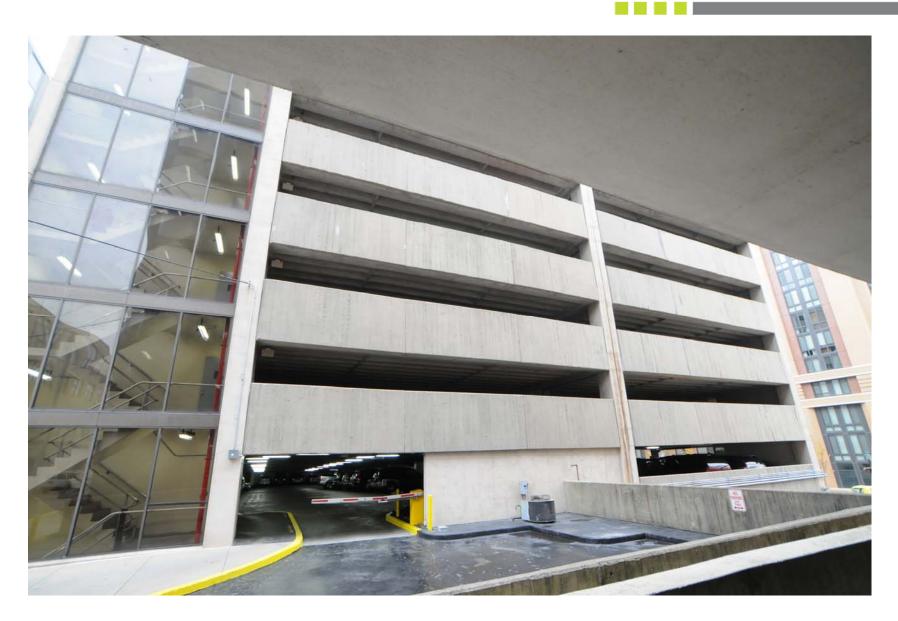




RADICAL IDEAS
EXTREME ENERGY SAVINGS
PROVEN RESULTS

Energy Efficiency Means Jobs

Baltimore County :: Case Study

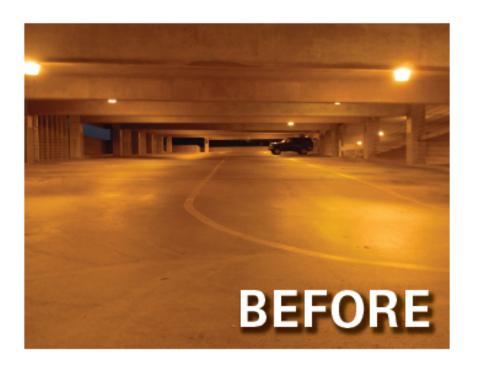




Baltimore County :: Case Study







green garages

a bright way to save!

BALTIMORE COUNTY, MARYLAND BALTIMORE COUNTY REVENUE AUTHORITY

PROJECT: Multiple Parking Garage Lighting Retrofit with advanced energy management controls

ANNUAL ENERGY SAVINGS (4 locations)

Energy Savings: \$235,729

Displaced Energy: 1,885,838 kWh

Displaced Capacity: 119.87 kW

ANNUAL ENVIRONMENTAL IMPACTS (4 locations)

CO₂ Reduction: 1,225 tons

SO, Reduction: 4.48 tons

NO Reduction: 1.69 tons

Mercury Reduction: 0.051 pounds

This reduction is the environmental equivalent of:

Planting 346 acres of trees annually

Removing 305 cars from the road each year.





Baltimore County :: Case Study





Orion's Story





- 1983 :: Mirro Aluminum Company acquired by The Newell Companies
- 2003 :: Newell moved its manufacturing operations to Mexico and shuttered the seven (7) area Mirro plants
- 1,150 lost jobs :: 12% unemployment rate
- The end of Mirro's 118 year history in Manitowoc



Orion's Story

The Marriage of Manitowoc and Orion



- 2004 :: Orion Energy Systems, a growth company looking to expand
- Manitowoc :: available skilled workforce and abundant low-cost space
- Like a phoenix rising from the ashes :: Orion acquired the vacant Mirro distribution center and established its world headquarters in Manitowoc, Wisconsin USA



ENERGY.SMARTER.



Mirro's

LAST

Manitowoc

Employee





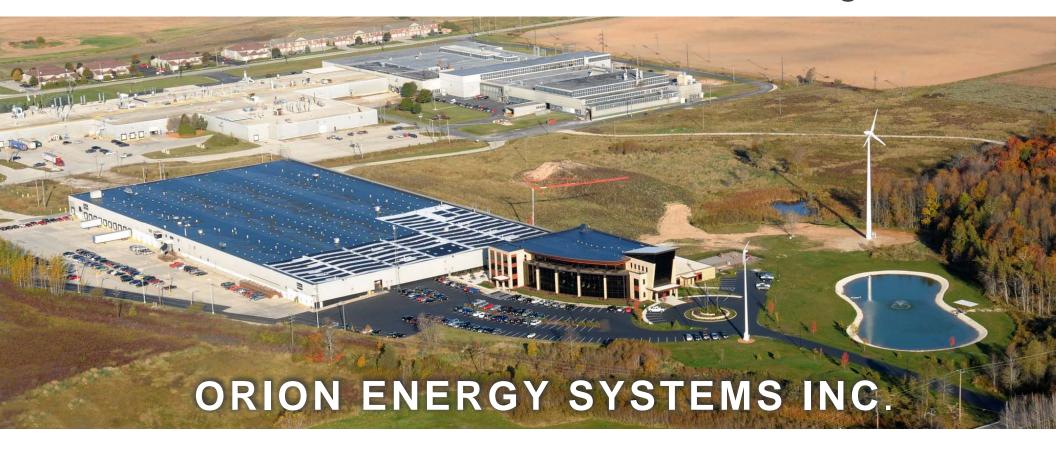
Orion's

FIRST

Manitowoc

Employee

Next Generation Manufacturing



Technology Center and Manufacturing Operations

Manitowoc, Wisconsin USA









Orion's Story







Deliver: Permanent Distributed Load Reduction

Cost effective energy management without compromise

Bridge the Gap

Between Environmental Stewardship and Capitalism



Permanent Distributed Load Reduction

ENERGY.SMARTER....



Lighting: 134 kW

Solar PV: 250 kW





GRID PARITY

Achieved at Orion's

266,000 sq.ft

advanced

manufacturing facility

October 15, 2010



















Employee Health Care Plan

Family Plan:

10% of Company cost Approx. \$128/month

Fitness Requirement

16 times/month for both employee and spouse or \$150/month penalty

Non-Smoking Requirement \$200/month penalty for smokers





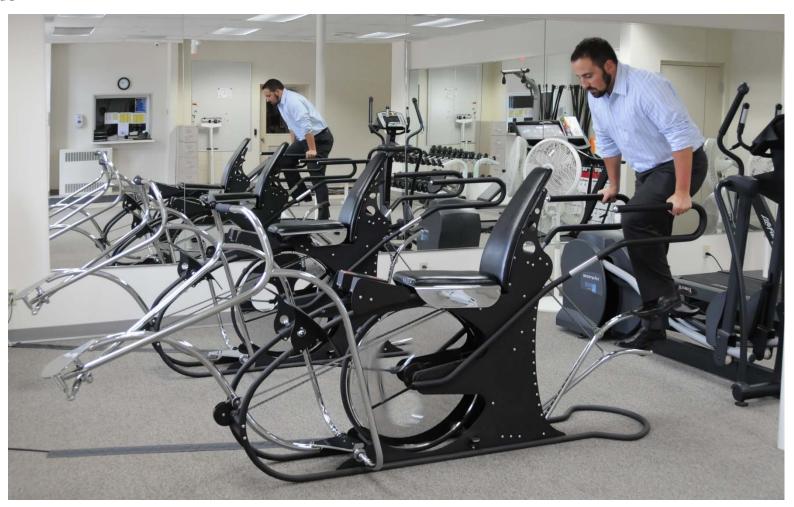






ENERGY.SMARTER...

ROM



Range of Motion Machine

4 minutes is equivalent to 20 minute workout 4 minutes, 16 times/month to meet fitness requirement



ENERGY.SMARTER.

Employee Fitness Program





Available 24/7 for Employees and Spouses



Onsite Health Care Clinic





Available to Employees and Families



ENERGY.SMARTER.

Orion Energy Systems

Onsite Printshop





ENERGY.SMARTER.

Orion Energy Systems

Orion's New :: Onsite Call Center





IENERGY.SMARTER.

Onsite Cafeteria





IENERGY.SMARTER.

Onsite Daycare



ENERGY.SMARTER.

Onsite Daycare





ENERGY.SMARTER.



Orion Partners Nationwide

As of April 2011

Apollo® Solar Light Pipe

ENERGY.SMARTER.

Direct-use Renewable





Apollo® Solar Light Pipe

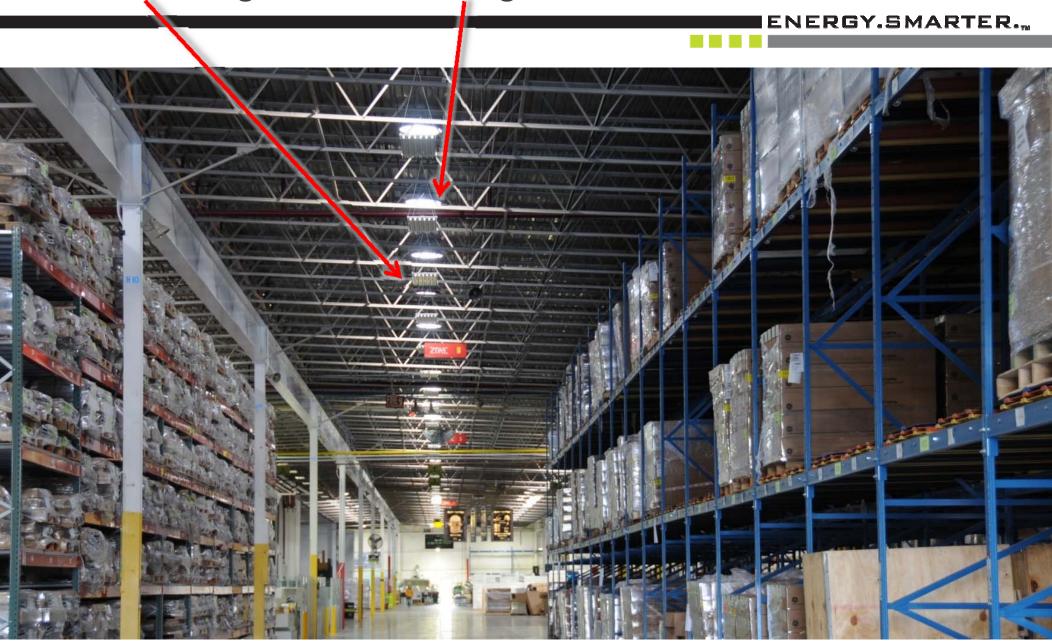
ENERGY.SMARTER.

Direct-use Renewable





Electric Lights Off. Sunlight Harvested.









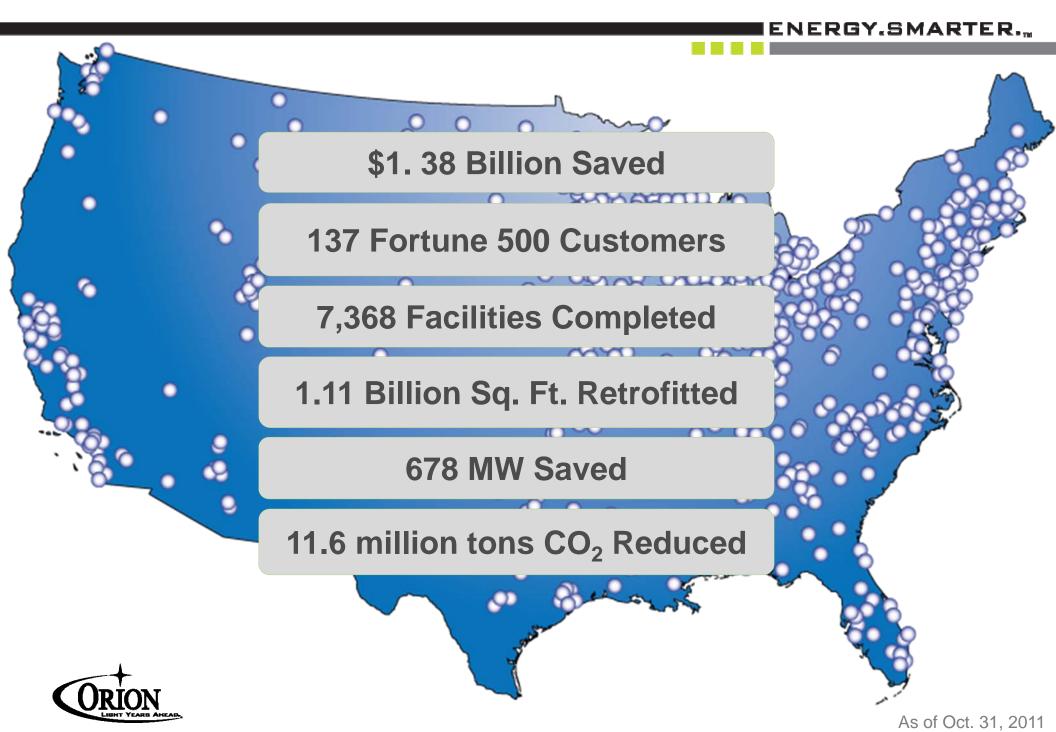
2,848

The number of **JOBS** created for every

100 MW

of Orion's integrated lighting system capacity installed.

PROVEN RESULTS







Kevin Crawford Senior Vice President

ORION ENERGY SYSTEMS

A Power Technology Enterprise™

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