

GLOBAL
ENERGY & LIGHTING



COMPANY OVERVIEW

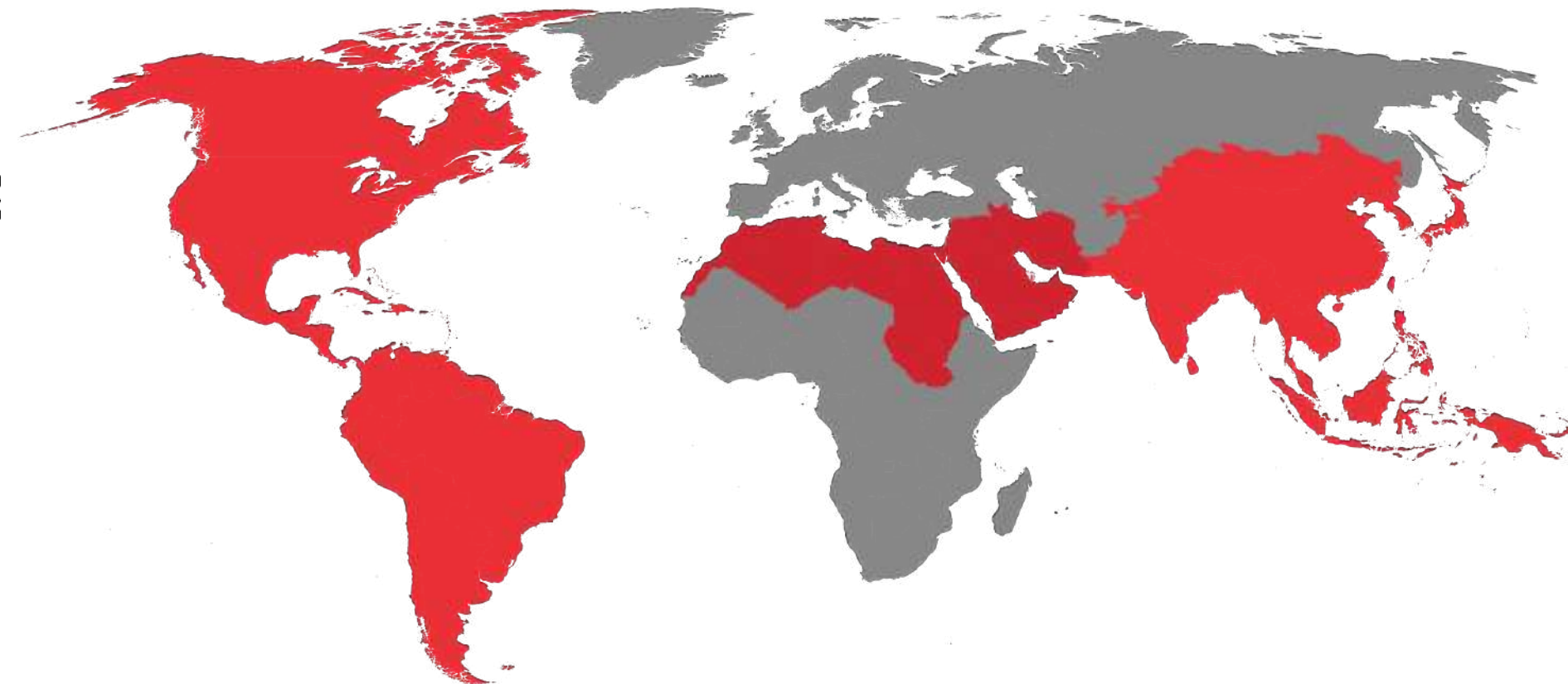
START SAVING TODAY



At Global Energy & Lighting, our mission is to solve the energy-management challenges of today to create a better tomorrow.

Global Energy & Lighting is a multinational design, engineering, manufacturing, and sales corporation that helps organizations throughout the Americas, MENA, and ASEAN regions by providing comprehensive energy services and asset sustainability.

In the UAE, Global Energy & Lighting is leading the charge to build a more sustainable future for the region.



SUSTAINABILITY SERVICES THAT BRING YOU COST SAVINGS



ISO-Certified LED Manufacturing

You can count on our processes, services, and procedures to meet standardization and QA requirements.



Capital-Free Financing Options

As an SAS or PPP, you can modernize without up-front capital costs by using energy savings to pay for upgrades.



Custom Product Design

Custom manufacturing helps you conquer the integration challenges of legacy lighting products.



Autonomous Sensors

Virtual sensors use various tools—dimmers, timers, schedules, and more—and AI to optimize the efficiency of your lighting system.



Energy Savings

Continuous enhancements to energy efficiency, such as LED luminaires and wireless controls, increase your savings.



Integration & Management

We manage your lighting upgrade implementation and guarantee you'll see significant energy and maintenance savings annually.

SHANGHAI MANUFACTURING

Global Energy & Lighting, Shanghai delivers a range of innovative and reliable outdoor lighting and controls solutions, all designed to maximize performance, energy efficiency, and cost savings.

The Shanghai facility serves customers in the commercial, industrial, retail, institutional, utility, and other markets.

Global products comply strictly with the quality and safety assurance of ISO9001, CE, RoSH, SAA, PSE, UL/CUL, and DLC.



State-of-the-art Lighting Technology

When implementing state-of-the-art LED lighting technology and wireless control projects, we incorporate measures based on several key principles to enhance the overall result.

For every project, our aim is to improve the efficiency of your lighting systems while, at the same time, enhancing the comfort and usability of your building's environment.



HUMAN-CENTRIC LIGHT

Integrating modern lighting technologies that improve your employees' health and increase motivation and productivity.



LIGHT & PSYCHOLOGY

Applying an awareness of the effect light has on our perception, engagement, and behavior.



LIGHT & SAFETY

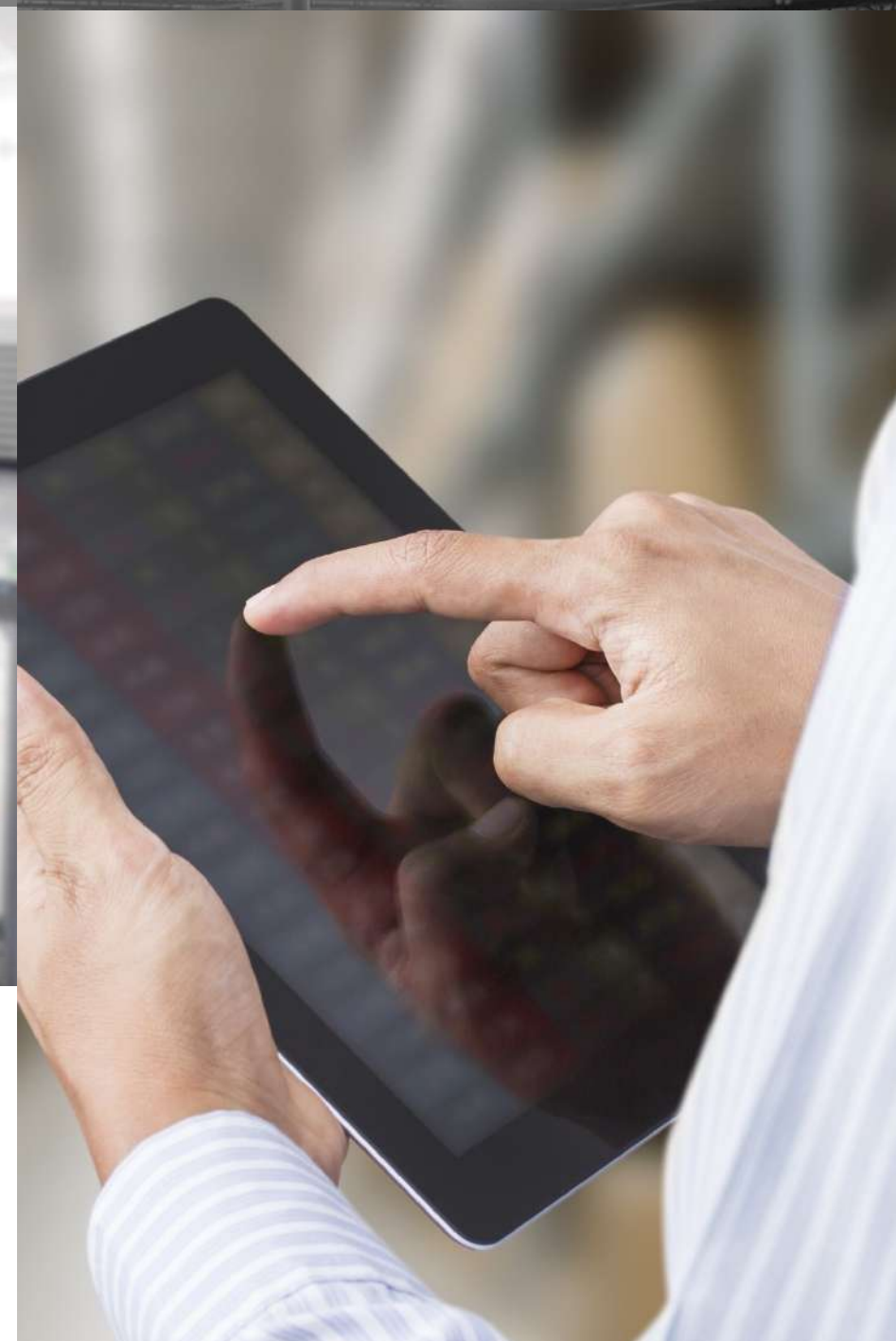
Decreasing glare, increasing visibility, and illuminating pedestrian areas to make your facility's night environment safer.



ENERGY SAVINGS

Implementing modern LED lighting that lowers your energy costs and helps you significantly decrease your carbon footprint.

CUSTOM ENGINEERING TAILORED SOLUTIONS



OPTICAL SYSTEM DEVELOPMENT & MANUFACTURE

Global uses the latest computer optical design software for advanced 3D “un-constrained” optical ray tracing, photometric analysis, and imaging systems design. This powerful commercial software is further enhanced by our design programs, which deliver specialized capabilities for optical applications.

Our advanced optical ray tracing and photometric mapping routines give real-world optical-system simulation results to demonstrate the design performance, often eliminating the need for prototyping before production tooling.

CUSTOMIZED SOLUTIONS

Match any LED product to your lighting system using Global luminaires, designed specifically to be easily customized.

LED PRODUCTION PCB PRODUCTION

SPECIALIZED LED PRODUCTION IN EPA – ESD PROTECTED AREA

- Automated soldering of LED chips to aluminum core printed circuit boards
- Luminaire testing with certified measuring instruments
- ISO 9001 compliant quality management

BEFORE PCB PRODUCTION

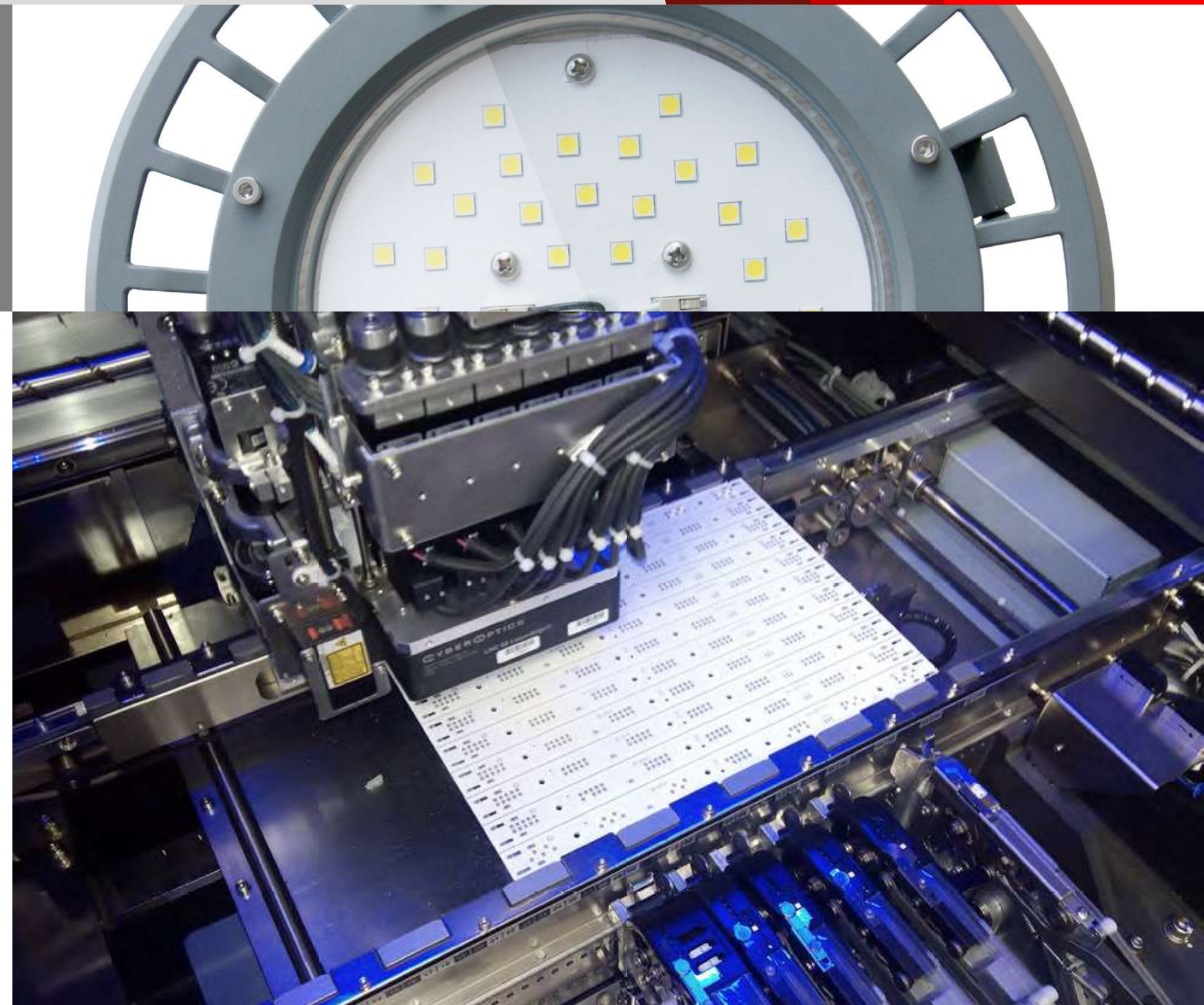
- Optical design
- Electronic design
- Thermal design

DURING PCB PRODUCTION

- Extra-fast sampling – PCB samples based on unique designs produced in 2 weeks or less
- High-quality, volume production

AFTER PRODUCTION

- Optical measurement
- Electronic testing and measurement, certification measurements
- Thermal measurements and life-time calculations



OVER 800 DLC LISTINGS

Plus thousands of others with UL, ROHS, CE, CB, and more.



RoHS



CB CE



CASE STUDY

Meridian Crossroads
Energy Savings | 81%

PROJECT TYPE

SHOPPING PLAZA

SERVICES

MANUFACTURER

PROJECT DELIVERY

INSTALLATION

Challenge:

As a premier shopping complex, Meridian Crossroads outdoor lighting needs are extremely expensive to maintain and support. They were constantly dealing with outages and related diminished aesthetics of the retail stores. A previous move from metal halide to pulse-start metal halide failed to solve the issue and actually decreased light capacity.

Solution:

- Replaced all 575W metal halide lights with 245W Blaze Area Light, reduced energy consumption by 60%, and restoring light levels to equal their original 1000W lighting.
- Incorporated GlobalLink SMART wireless controls for an additional energy savings of 15-20%.
- Developed 26 custom groups and related schedules with unique dimming profiles.



CASE STUDY

The Village at Meridian
Energy Savings | 70%

PROJECT TYPE

SHOPPING PLAZA

SERVICES

MANUFACTURER

PROJECT DELIVERY

CONTRACTOR

Challenge:

The Village at Meridian was dealing with issues related to metal halide lights. The shopping center had constant outages which made it difficult to keep their parking lot safe and lit properly.

Solution:

- Replaced all 1000W metal halide lights with Global’s Blaze Area Light, which dramatically reduced energy consumption.
- Incorporated GlobalLink SMART wireless controls for an additional energy savings.



CASE STUDY

Khalifa Port
Energy Savings | 75%

PROJECT TYPE

SHIPPING PORT

SERVICES

MANUFACTURER

PROJECT DELIVERY

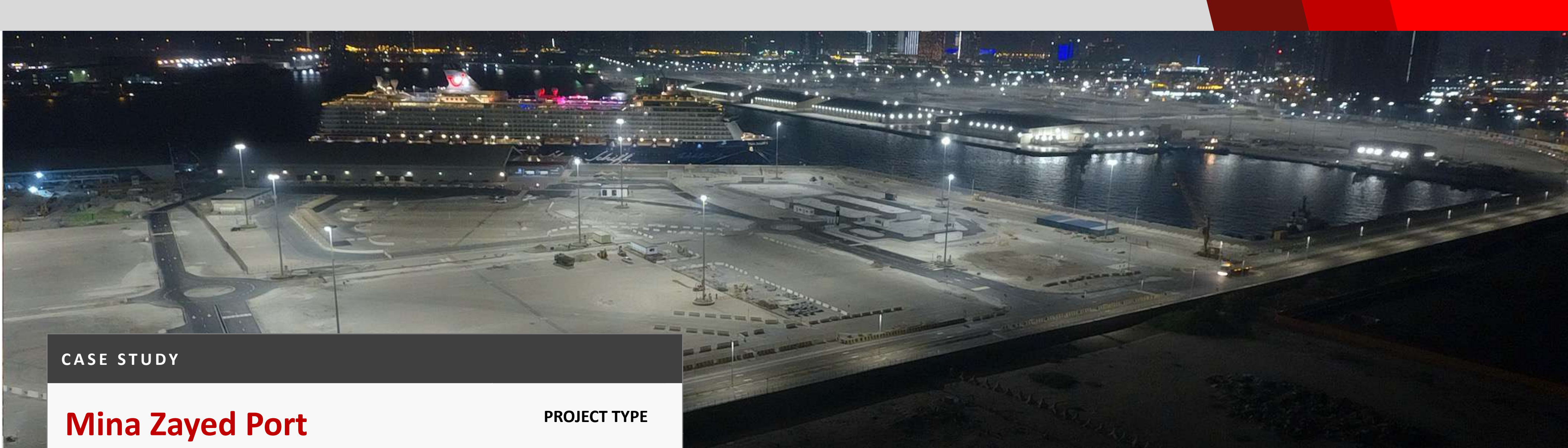
PRODUCT SPECIFIER

Project:

Khalifa turned to Global to install a new high-performance lighting solution capable of replacing their 30-meter-high mast and 20-meter street lighting system to improve light output, create more uniform light, and reduce their maintenance costs while simultaneously lowering energy costs.

Solution:

- Improved lighting quality and uniformity
- Reduced energy consumption by up to 75%
- Eliminated virtually all maintenance costs
- Increased safety due to enhanced lighting



CASE STUDY

Mina Zayed Port
Energy Savings | 78%

PROJECT TYPE

SHIPPING PORT

SERVICES

MANUFACTURER

PROJECT DESIGNER

PRODUCT SPECIFIER

Project:

Mina Zayed Port turned to Global to install a new high-performance lighting solution capable of replacing their 30-meter-high mast and 10-meter street lighting system to improve light output, create more uniform light, and reduce their maintenance costs while simultaneously lowering energy costs.

Solution:

- Improved lighting quality
- Reduced energy consumption by up to 78%
- Eliminated virtually all maintenance costs
- Increased safety due to enhanced lighting



CASE STUDY

St Luke’s Medical Center

Total Savings | 90%

PROJECT TYPE

HOSPITAL

SERVICES

MANUFACTURER

PROJECT DESIGNER

CONTRACTOR

Project:

ST Luke’s Medical Center is a Magnet-designated hospital—the gold standard. The campus includes a wide range of primary and specialty physician clinics and Idaho’s largest and most comprehensive cardiac rehab center.

Solution:

- Improved lighting quality and uniformity
- Reduced energy consumption by 87%
- Eliminated virtually all maintenance costs
- Additionally, the new enhanced lighting translated into increased improved visual acuity for patients navigating the campus

SATISFIED CLIENTS

NAVISTAR



THE GLOBAL ADVANTAGE FOR ADNOC

START SAVING TODAY!



Retail



Commercial



Industrial



Street



Warehouse



Energy savings of
70% - 80%

Guaranteed by a Bank Fund



Intelligent lighting and
smart controls

Maintenance Free



Project financing SAS
PPP

LED Manufacturing



10-year guarantee

Custom Solutions



Enhanced lighting quality

Integration & Management

NEXT STEPS - START SAVING TODAY

Global develops & provides a detailed proposal

- Identify a proof-of-concept site
- Complete a site audit
- Engineer the complete solution
- Demonstrate energy savings
- Showcase environmental impact
- Profile financial analysis including ROI
- Detail funding options





Thank you

Simplifying the LED Lighting Industry

New and retrofit lighting solutions for any commercial, municipal, and industrial need.