



truelite[®]

Smart Solar Lighting

www.truelite.us





AT A GLANCE

Since Year 2007

MARKET LEADER IN SOLAR LIGHTING

Established in 2007 and headquartered in the USA, Truelite Energy pioneers solar lighting solutions and evolved into an industry leader with tons of expertise and accolades. A highly focused technology company that does enormous research and development in green energy, especially in solar lighting carries out many challenging projects across every continent of the globe – including many remote humanitarian sites.

Truelite operates in 20plus countries, thanks to our growing franchise of Truelite Energy Partner network, (TEP) with a unique catalog of solar lighting products, which completed more than 100,000 solar lighting installations in 100 plus countries.

OUR EXPERTISE

Our identity is shaped by a decade-long tradition of innovation in the field of Solar lighting, which utilizes the infinite possibilities of integrating photovoltaics, lighting, and energy storage to improve the quality of life for individuals and communities.

Truelite Products are top-notch, manufactured in our ISO-certified state-of-the-art facilities in the USA, China, and India with uncompromised QC and compliance and quality standards, supported with all statutory certifications for every market requirement, including 12 global patents in the solar street and roadway lighting solutions. Truelite is the innovator of smart integrated solar lighting with our flagship 4G Smart Solar street light to integrate lithium battery banks

and smart controllers built inside the light while separating the PV for better scalability making the solution a revolution in Solar lighting and the birth of All in Two Solar Street Lights.

HUMANITARIAN PROJECTS

Truelite invented the 4GSmart Solar Street Light, the first all-in-two fully integrated solar streetlights for roadway and area lighting for United Nations and has delivered more than 20,000 installations to over 5 million users and successfully executed 2 Frame Agreement(FA) projects in solar lighting for United Nations. Truelite's advantages against the traditional solar lighting benefit the NGOs and aid agencies in huge cost savings in the areas of procurement, logistics, installation, and support. The cost savings and faster turnaround time help to add more units for a given

budget. Truelite has vast experience in supporting humanitarian projects across the world and works with many aid organizations for their solar lighting requirements.

ENERGY PARTNER NETWORK

Our Energy Partner program helps us to reach our customers in every part of the world with product distribution, technical support, project guidance, consultancy and after sales. Our fast-growing global network of Energy Partners supports our green initiatives contributes to the growth and retain our market leading position for the brand.

Our innovations will enable people all over the world not only to see better, but also to be sustainable, and live better.



Truelite Touching 5 Million Lives Globally

Employees

200 +

Manufacturing Area

10,000 sq

Experience

13 Years

Global Patents

12

Energy Partners

30 +

Renewable Energy Products

100%

Project locations

100+

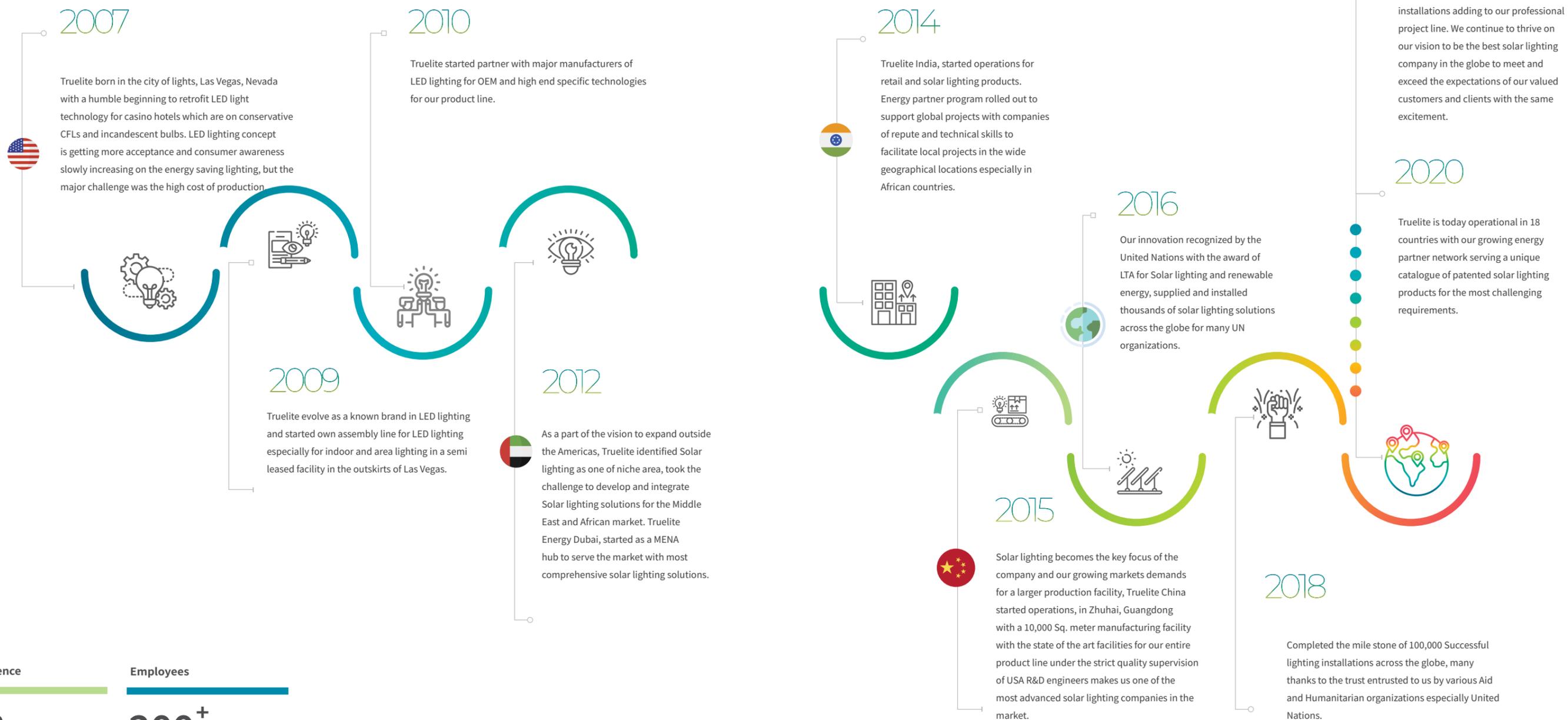
Work Force

350+

OUR BRAND STORY

We continue to thrive our vision to be the best solar lighting company in the globe to meet and exceed the expectations of our valuable customers and clients.

Growth ladder to the leader



Experience

13 Years

Employees

200⁺



TRUELITE CREDITS



RTA PREQUALIFICATION

RTA Prequalified Solar systems and Accessories



ADQCC APPROVED

Abu Dhabi Quality and Conformity Council Approved



DEWA SHAMS DUBAI APPROVED

DEWA's first smart initiative to connect solar energy to buildings



EXPO 2020

The lead supplier for Dubai Expo 2020 solar lighting projects.



APPROVED VENDOR

Dubai Municipality – Approved Vendor for Solar LED Lighting and Projects



DEWA

DEWA – Approved and specified Truelite Solar lighting products



APPROVED

All major consultants approved and certified.



UNHCR

UNHCR (Long Term Agreement) holder for renewable energy and solar street lighting.



WFP

United Nations – WFP LTA (Long Term Agreement) holder for renewable energy and solar street lighting.



UN GLOBAL COMPACT

Truelite - Participant of the United Nations Global Compact



GLOBAL BRAND

Global brand operational in 20 countries



INSTALLATIONS

More than 100,000 Successful Installations



STRONG LOCAL TEAM FOR SUPPORT

10 year warranty and unmatched service standards.



EXPERIENCE

10 Years proven track record and expertise in Solar LED Street Lighting. The only Specialized Company for Solar Street Lighting – One stop shop for complete requirements.



II Abu Dhabi Municipality project
Featuring : Truelite 80W at 10 Mtr Pole (SunWrap) Retrofit



WHY TRUELITE

Make sure you are at the right place



TRUELITE ADVANTAGE IN SOLAR LIGHTING

Solar Industry especially PV has been rapidly changing over the last few years and Truelite being a pioneer company in solar lighting as our key product has earned enormous expertise serving in challenging project locations, adapting to the changes and growth in the industry. Today we passed the milestone of 100,000 successful installations across the globe with a commanding position in the market and we are the patented inventors of Integrated Smart Solar Light – 4G and Thor with built-in battery and smart controller while separating the PV for efficiency and scalability(All in Two).

Our credits in various markets can be seen on the appropriate project pages.

OUR SOLAR AND LIGHTING DESIGN – THE RIGHT MARRIAGE

Our vast experience in a wide span of geographical locations helps to understand the photovoltaic yields, Peak Sunshine Hours (PSH), and weather characteristics to customize solutions for every market with optimum solar panel sizing and system inputs. Solar Lighting parameters change with geography, and we never had a single solution for all our clients. Custom design is our key. We design and integrate technologies to make solar lighting the easiest and most simple to use at the same time, efficient and advanced to meet the challenges.

OUR BATTERY INTEGRATION LITHIUM-ION PHOSPHATE LFP

Energy storage was a major challenge in the early life with VRLA batteries being a critical factor with extreme temperatures in most of our areas of operations, especially in the

Middle East and Africa. With the development of lithium-Ion batteries, we are one of the first companies to adopt Lithium battery technology for energy storage in solar lighting applications and test different battery chemistries on wide geography to understand and develop the right mix for solar lighting. We use Grade A Lithium-ion phosphate LFP (LiFePO4) in our solar lighting product line with a custom anode separator for energy density and recharging. Our battery banks are unique, with an advanced Battery Management System (BMS) designed with a lower Depth of Discharge (DOD) for extended battery life cycles, for flawless work of the entire life of the system. The lithium cells are Grade A virgin cells, sourced from the Tier 1 lithium manufacturers. Truelite is the only company that provides a genuine 5 Year warranty on the entire solar lighting system.

WARRANTY CUSTOMER SUPPORT AND CUSTOMER HAPPINESS

We do preventive maintenance through our growing energy partners across the globe if the project demands and our warranties are genuine, and our Quality Policies are firm. Truelite has trained the technical team in every market we cater for immediate response and after-sales service.

Truelite has established a clear warranty policy in place with easy access to customers for support in any unlikely event of a troubleshoot or failure. We believe in lasting relationships and better ROI for our customers.

Our commitment to sustainable product development and quality consistency has been trusted by United Nations Agencies (NGOs), Governments, and public and private end-users for their solar lighting requirements. Yes, you are at the right place for your projects.

RELIABLE BRAND IN LIGHTING



Street Lighting



Area Lighting



Indoor Lighting



Linear Lighting

Truelite has an extensive range of LED lighting Products designed and developed in the USA and manufactured with very high standards. Truelite has both Indoor and outdoor LED Lighting Solutions capable of serving any Industry or application. Truelite has 2 range of products with LX Series purely for projects with the highest quality standards, and Eco Series for retail and retrofit applications.





Thor
SOLAR STREET LIGHT



4GSmart
SOLAR STREET LIGHT



4GEx Smart
SOLAR STREET LIGHT



All In One pro
Smart Solar Street Light



Orbi
360° Smart
Solar Landscape light



Sunscape
SOLAR BOLLARD



sunYard
solar garden light



Sunscape
SOLAR BOLLARD



SunWrap
INTEGRATED SOLAR POLE



SUN BEAM
Solar Flood Light



SUN HOPE
SOLAR SHELTER LIGHT



GALA
Flood Light



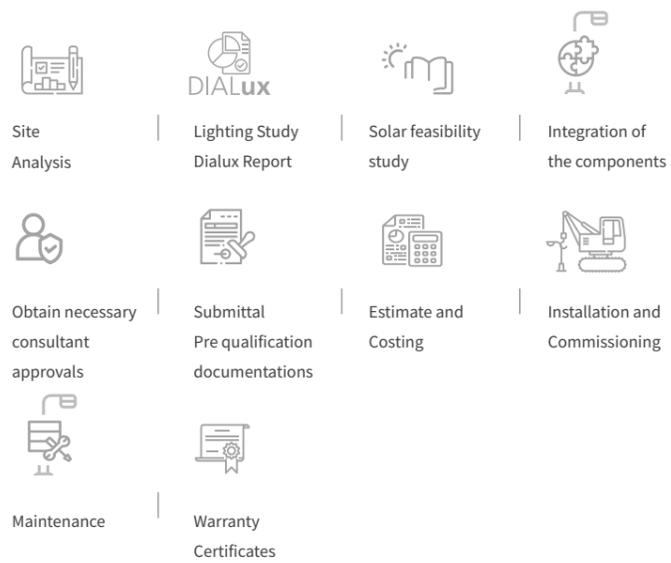


TURNKEY SOLAR LIGHTING PROJECTS

Design , Commissioning
& Maintenance



Truelite is capable of designing and installing solar lighting projects of any size with complete turnkey support. Our alliances with World-class manufacturers in the Solar Power generation means Truelite wins many projects in power generation and Solar Solutions, wherever quality is a requirement.



“ Make sure you are at the right place



II Sharjah Higher College of Technology, Women's
Featuring : Truelite THOR 60W at 8Mtr.Pole



Photo top left
Expo 2020, Dubai, UAE
Featuring :Truelite 60 & 80 W THOR at 12 Mtr SunWrap Integrated SolarPole



Photo bottom left
Sir Bani Yas Island, UAE
Featuring :Truelite 30 & 80W THOR at 4 & 6 Mtr Pole



OUR CAPACITIES AND STRENGTH

Truelite Solar Street Lighting

Truelite is capable of translating any conceived Solar Street Lighting Idea into reality, with a complete concept to deliver and support capabilities for any project. Our proprietary 50 Point Check list, as developed by our R&D team over many projects, makes any project practically fool-proof in terms of design and Installation. We adopt various technologies including integrated all-in-one technology, LiFe Battery banks, Gel Battery banks, MPPT Charge systems, HDG Poles and - most importantly - Truelite USA designed Street Light Heads in our systems. All components are tested and certified to the highest standards in the Industry.

STREET LIGHTING

Solar street lighting is our major focus and the key result area of Truelite and contribute to 70 percent of our business.

CONSULTANCY

Truelite also offers consulting in Solar lighting projects from design to commissioning with complete feasibility study include lighting, system integration, EPC, specifications and Installation guidance and support. We can do turnkey solutions with minimal specification of

providing the required light levels.

AREA LIGHTING

Solar area lighting is yet another key focus includes, lighting parking lots, which includes gardens and yards, compounds and remote area caps etc. with unique custom product solutions for every requirement.

MAINTENANCE

Truelite offers maintenance service in solar projects, solar lighting projects, includes solar panels cleaning, preventive maintenance, PV performance evaluation of projects, power generation study, system

reporting, technical maintenance, thus make sure the plant is up and optimum for the expected output in terms of PV generation and built life.

POWER PROJECTS

Truelite is good at off grid solar power projects has successfully executed many projects in Middle East, Africa and Indian subcontinents.

ENERGY STORAGE

Truelite identified the need of reliable lithium battery banks and offering energy storage solution with LiFePo4(

LFP) battery banks for various applications with the brand name TrueLife.

LED BRAND

Truelite has a wide range of LED lighting products for retail and projects in many markets especially India, Africa with indoor and outdoor retail products and ME, Europe, US where the major focus is on outdoor lighting luminaires.



EXPERIENCE IN HUMANITARIAN PROJECTS

More than 20000 solar street light successfully manufactured and delivered in time in the last three years.



II Humanitarian Project
Featuring : Truelite 4G 20W

Installations

20,000+

Including remote refugee settlements across Africa and Middle East.

Customized Product

10+

Specially designed and custom developed products for aid and humanitarian projects



UNHCR is installing 270 solar streetlights in refugee settlements and host communities to improve safety and ensure the protection of Rohingya refugees in Bangladesh.



4/27/18, 12:30 PM

Tweet your reply



Lighting at night makes a big difference to the quality of life for refugees & their safety. @Refugees staff recently assessed the effectiveness of solar street lights. 500 lights have been installed so far; more are planned to light up life at night. [is.gd/U2YNB7](#)



Tweet your reply



Before & after photos. Shelter reinforcement, drainage & steps work in #Rohingya @Refugees settlement, implemented by @amCARITAS with refugee volunteers. 150,000+ shelters upgraded. Impressive, but thousands must still be relocated due to high landslide risk. More space needed.



Tweet your reply



LTA Holder for solar street lighting and solar accessories



MANUFACTURING STANDARDS

Truelite Auroras Innovation Co. Ltd, Zhuhai, China is our manufacturing facility for the Solar Lighting product lines in with state-of-the-art production lines and associated infrastructure capable of meeting any volume requirements. Truelite is in continuous development of solar lighting technologies in technical collaboration with USA R&D team, developed many unique products bagged 12 global patents as well. An ISO 9001 certified manufacturing facility in an area of more than 10,000 Sq Meters equipped with high-tech equipment including automated production lines, inhouse testing labs, Quality control labs and skilled work force for the most challenging requirement in the solar lighting. Factory is audited and certified by BSCI and TUV, operating in strict Quality policy of Truelite America LLC and also with statutory government requirements.

Area

10,000 sq

Global Patents

12

Renewable Energy Products

100%

Work Force

350+



Factory building



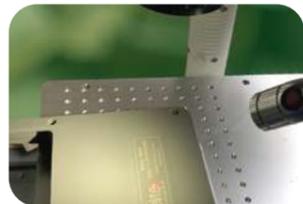
Production line



In house testing facilities



Ageing & Testing



Quality control marking



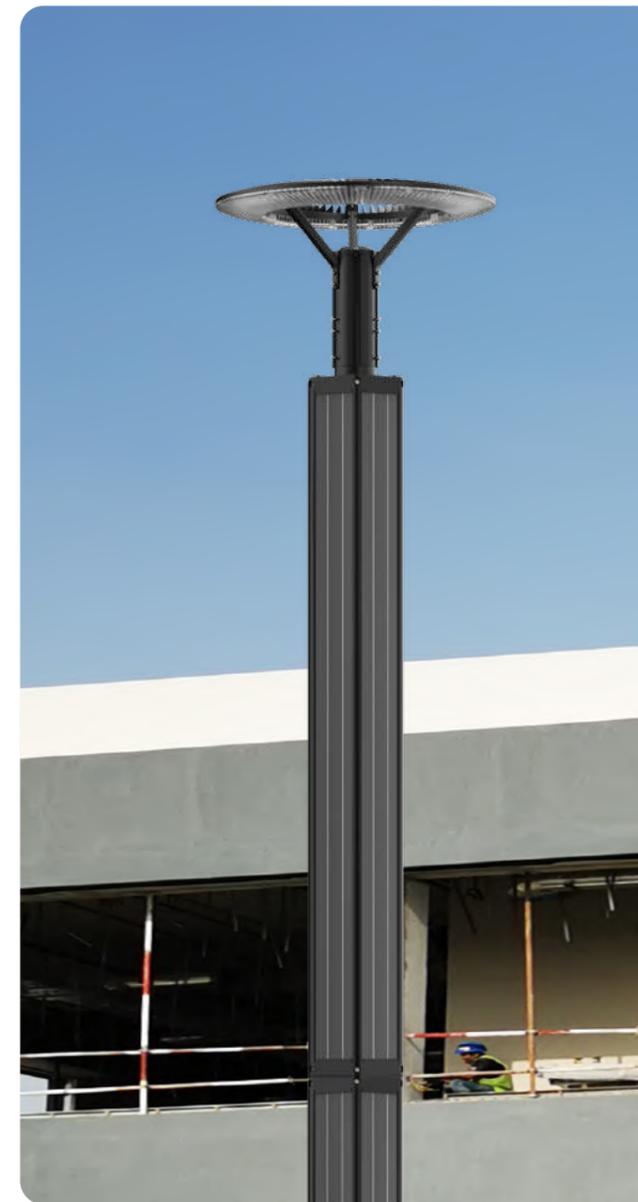
Packaging



Warehousing facility

QUALITY POLICY

Our commitment to you



Truelite is committed to provide and maintain quality products and solutions to our customers in Solar and LED lighting technologies. We as a global brand committed to meet and exceed all the statutory requirements required for the very market we sell. Truelite will take every effort to meet our quality promises in manufacturing, distribution, timely delivery and after sales support for our products and services.

While ensuring the quality, it is also our endeavor to provide reasonable pricing for our customers and make sure Truelite can be trusted for Value for Money.

It is also our commitment to work continuously on our technologies and do R & D to bring in the right advancement in our product development.

Truelite extend our commitment to all our Customers, Energy Partners, Associates and Authorized Representatives to be in fair trade and enforce ethical business practices across our network.

We will also be an equal opportunity company for our associates and partners and will not discriminate under any category.

Truelite has implemented a structured Quality Management System in our manufacturing facilities and appropriate ISO audit is been carried with proper certifications. We also ensure our employees adhere to the QMS and follow the guidelines of the Company's Quality Policy thus achieving our established vision goals.



Tested Product



Unmatched Warranty



ISO Certified Product

OUR PRODUCT
CERTIFICATIONS



ISO9001:2015 & ISO 14001:2015

IEC -Standards IEC 60598-2-3:2002/IEC60598-1:2014
IK08- IEC 62262:2002
UL-Standards UL2108:2019
OHS- IEC 62321-3-1:2013 2011/65/EU
IEC Surge Test- Standards IEC – 61000-4-5:2014-A1;2017
CE- EN IEC 55015:2019+A11:2020
EN IEC 61000-3-2:2019
EN 61000-3-3:2013+A1:2019
EN 61547:2009
IP67- IEC 60598-1:2014+A1:2017
Temperature Cycle Life Test-Standards JESD22-A108D:2021
Vibration test report – Standards ANSI C136.31.2018
LM79 LM82

Photobiological safety standards – ANSI/IESNARF-27.3-2007

SOLAR PANEL CERTIFICATIONS

ROHS
IEC61215
IEC61730-1
IEC61730-2
IEC/TR 62039:2007

SOLAR CHARGE CONTROLLER INBUILT LED DRIVER CERTI-

FICATION
ROHS
IEC61347-1-2-11
IEC61347-12-11
IEC62109-1

BATTERY CERTIFICATION

IEC61427-1
ISO 9001
UL



OUR CLIENTS

Some of the references



PAST PERFORMANCE

Truelite is privileged to be associated with many big name projects in the region, with our strong product line and ability to deliver on customer requirements to high standards. Here are a few projects that we have completed in the LED and solar domain.



01 Expo 2020 Dubai, UAE



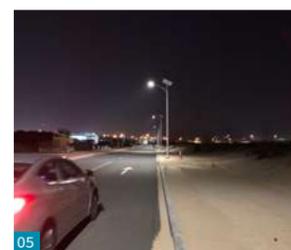
02 Sir Bani Yas Island UAE



03 DEWA Internal Road UAE



04 Abu Dhabi Ports UAE



05 ROP Oman



06 South Asian games Philippines



07 GJ Auto Parking lot NY,USA



08 Sewage plant Iraq



09 Roadway lighting Indonesia



10 Sharjah International Airport, UAE



11 Dubai South UAE



12 UNHCR Kenya, Africa

Click here : <http://www.truelite.us/projects/> for more project Details

GEOGRAPHY OF OPERATIONS

Project locations

100+

Energy Partners

30+

Truelite America LLC

HQ in USA serves the design and development of our product range and services

Truelite Energy Partner EU

Hvissingegade 13, 2600 Glostrup Denmark

Truelite Energy Trading LLC

Dubai UAE, Serves as the Regional Hub for the MENA operations and serves clients and Energy partners in GCC, ME and part of African Clients.

Truelite Auroras Innovation Co.,Ltd

China, An ISO 9001 Certified manufacturing facility in China controlled by US R&D team.

Truelite Energy Innovations Pvt. Ltd

Kochi, India serves as the hub for Subcontinent operations and serves both retail and project markets in the region.

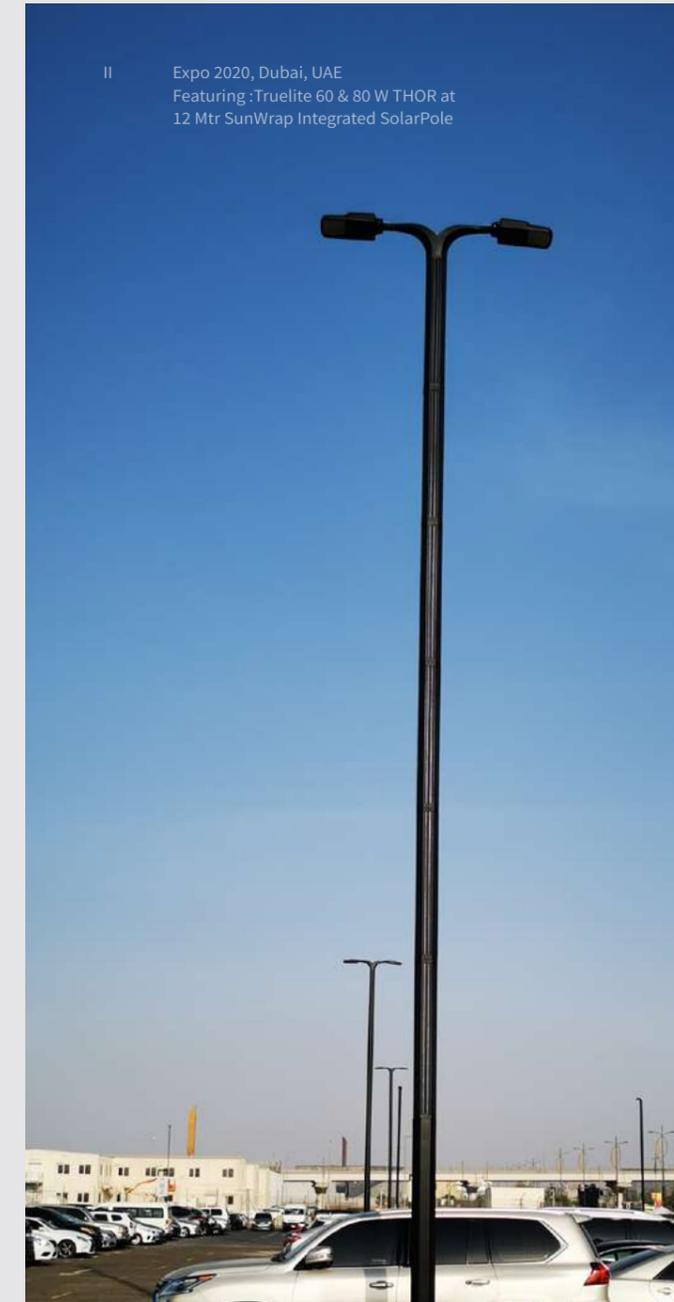
Truelite America LLC

Orlando, Florida, Serves as our Sales office for the Central and Eastern Pacific region in the USA.

PROJECT LOCATIONS

- | | | |
|--------------------------|--------------|----------------------|
| Afghanistan | Iraq | South Africa |
| Algeria | Italy | Spain |
| Antigua and Barbuda | Jamaica | Sri Lanka |
| Argentina | Jordan | Sudan |
| Armenia | Kazakhstan | Switzerland |
| Australia | Kenya | Syria |
| Austria | Kuwait | Taiwan |
| Azerbaijan | Laos | Tanzania |
| Bahrain | Lebanon | Thailand |
| Bangladesh | Lesotho | Trinidad and Tobago |
| Belarus | Liberia | Tunisia |
| Belgium | Libya | Turkey |
| Bhutan | Malaysia | Uganda |
| Bosnia and Herzegovina | Maldives | Ukraine |
| Brazil | Mali | United Arab Emirates |
| Burkina Faso | Mauritius | United Kingdom |
| Burundi | Mexico | United States |
| Cambodia | Mongolia | Venezuela |
| Cameroon | Montenegro | Vietnam |
| Canada | Morocco | Yemen |
| Central African Republic | Mozambique | Zambia |
| Chad | Myanmar | |
| Chile | Nepal | |
| China | Netherlands | |
| Colombia | New Zealand | |
| Congo | Niger | |
| Czech Republic | Nigeria | |
| Denmark | Oman | |
| Djibouti | Pakistan | |
| Egypt | Peru | |
| Eritrea | Philippines | |
| Ethiopia | Poland | |
| France | Portugal | |
| Gabon | Qatar | |
| The Gambia | Russia | |
| Germany | Saudi Arabia | |
| Ghana | Senegal | |
| Greece | Serbia | |
| Hungary | Seychelles | |
| India | Sierra Leone | |
| Indonesia | Singapore | |
| Iran | Somalia | |

Our detailed energy partner location please visit <https://truelite.us/be-our-energy-partner-2/>



II Expo 2020, Dubai, UAE
Featuring :Truelite 60 & 80 W THOR at
12 Mtr SunWrap Integrated SolarPole

II Expo 2020, Dubai, UAE
Featuring: Truelite 60 & 80 W THOR at
12 Mtr SunWrap Integrated Solar Pole





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