ADVANTAGES OF SOLAR LIGHTING vs. CONVENTIONAL AGL

https://solutions4ga.com/applications/advantages-of-solar-lighting/

QUALITY WITHOUT COMPROMISE ENDORSED BY ICAO AND THE OTHERS

Combination of quality and affordable price is what majority of our customers are communicating when looking for good product. Price of different products is relatively easy to compare. However interpretation of the word "quality" requires more time. We like to ask our customers about definition of "quality" and which criteria do they use to understand whether or not they are offered with quality product. We found out that concept of quality is perceptual and subjective attribute that can be understood differently by different people. When choosing airfield lighting airports operators would look at how this product compares to competitors in the market place. Maintenance personnel would measure quality in the degree that product is reliable and low-maintenance. For pilot the only thing that matters is high visibility range and correct chromaticity (color) of lights.

S4GA focuses on every one of those critical elements to make sure that each lighting unit is ICAO-compliant, fault-free and can perform its duty for at least 15 years.

HOW DO WE ACHIEVE THAT?

S4GA Solar AGL is built of highly reliable and long-lasting components. Each and every lighting unit has to go through rigorous testing that is performed manually using the precise testing equipment. Optical characteristics of the unit are confirmed by a third-party accredited laboratory in order to make sure compliance with ICAO requirements.

FINANCIAL SAVINGS

Estimated (conventional lighting system valuation was prepared by independent engineering company) cost of airfield ground lighting system for non-instrument runway of 2 000 meters with parallel taxiway calculated in USD.

TOTAL COST (IN USD)	CONVENTIONAL CABLE LIGHTING 526 500	S4GA SOLAR LIGHTING 223 500
Engeneering design	51 000	0
Lighting fittings	95 000	198 000
Cables and Connectors	58 000	0
Constant current regulators	39 000	0
Series Circuit Isolation Transformers	12 500	0
Control & Monitoring interface	19 000	12 000
Installation (materials and labor cost)	240 000	10 000
Project commissioning	12 000	3 500



ICAO Compliance verified by third-party testing



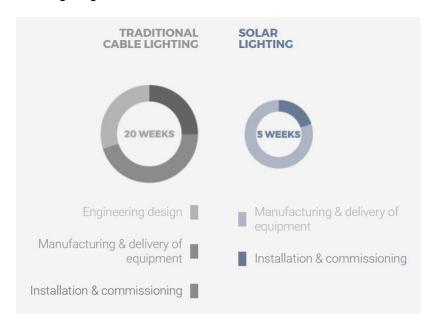
Affordable alternative for conventional wired lighting



Installation takes only 5 days

TIME SAVINGS / ONLY 5 WEEKS FROM ORDER TO RUNNING SYSTEM

Solar lighting can be delivered and commissioned 4x times faster than conventional cable lighting.



RELIABLE ALTERNATIVE FOR CONVENTIONAL AIRFIELD LIGHTING

Solar Airfield Ground Lighting has multiple benefits in terms of affordability, maintenance and reliability. S-AGL is 3-5x time cheaper than conventional (wired/mains) lighting. Also many features of S-AGL makes it significantly **more reliable** and maintenance-friendly **than conventional AGL**.

SYSTEM COMPARISON - FOR 2000 M RUNWAY AND 2000 M PARALLEL TAXIWAY INCLUDES:



HOW IS SOLAR LIGHTING DIFFERENT FROM CONVENTIONAL

