

CASE STUDY

NATIONAL POLICE AIR SERVICE

OF THE UNITED KINGDOM

PROJECT KEY FACTS

Location: United Kingdom

Application: Police

Solution: Solar Helipad Lighting

Products: Solar Helipad FATO Lights, UR-201 Control Unit for Helipad Lights

Customer: National Police of the United Kingdom

Year of Installation: 2022



OVERVIEW

S4GA supplied National Police Air Support of the United Kingdom with a Solar Helipad Lighting Solution. The UK Police will benefit from using S4GA FATO (Final Approach and Takeoff) lighting, supporting police helicopter operations using VHF remote switching from the cockpit.

CHALLENGE

The National Police Air Service provides all police forces in England and Wales with air support. It is granted a Police Air Operators Certificate by the UK Civil Aviation Authority. For Unit's missions, helipad availability 24/7 is a must-have, as it is one of the critical systems necessary to provide safe flight operations during the nighttime.

In recent times the Unit struggled with unreliable helipad lighting, which could bring risk to its missions and actions. In a high need of new lighting solutions, the Police started to look for a dependable and reputable helipad lighting supplier, who will meet all of their requirements in terms of reliability and performance.

SOLUTION

Coming across the Customer's requirements, S4GA offered solar helipad lighting. The solution stands out with a highly reliable VHF remote light activation, proved by military units from around the world. The other features that pointed to S4GA as the best solution were easy deployment and transportation. Mobility – the system can be easily transported and deployed in different locations.

- High reliability
- Wireless Remote Control
- Operates 365 Days On Solar Energy
- Easily deployed and moved - no cabling infrastructure
- 180 hrs of Light Autonomy
- Night Vision Goggles (NVG) Compatible
- 10 km visibility range

As S4GA helipad lights chosen by UK Police had to be implemented on the soft, grassy ground, there were a few issues to overcome. The main one included grass overgrowing the light, which reduce its visibility and efficiency. However, mowing the grass around the lights could put it in danger of a physical damage. S4GA provided solution for the issue, by installing lights on a heightened rubber pad. Elevated lights were mounted onto the soft ground using the rubber mat which prevents growth around light fixtures and helps when it comes to grass cutting around it - obviating damage to the light.



— S4GA PRODUCTS

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**SOLAR HELIPAD
FATO LIGHTS****UR-201
CONTROL UNIT FOR
HELIPAD LIGHTS**

— APPLICATION PHOTOS