

CASE STUDY

HELIPAD Lighting System Heliport Lighting Solutions

East Midlands Police Force, UK



Avlite[®]
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Avlite Systems is an international designer & manufacturer of complete aviation lighting systems; airfield, heli & obstruction

We believe technology improves navigation™

Project Overview

Application:

Helipad lighting system for day and night operations

Product:

AV-425-RF radiocontrolled (NVG) solar helipad lighting system

Location:

East Midlands, UK

Site:

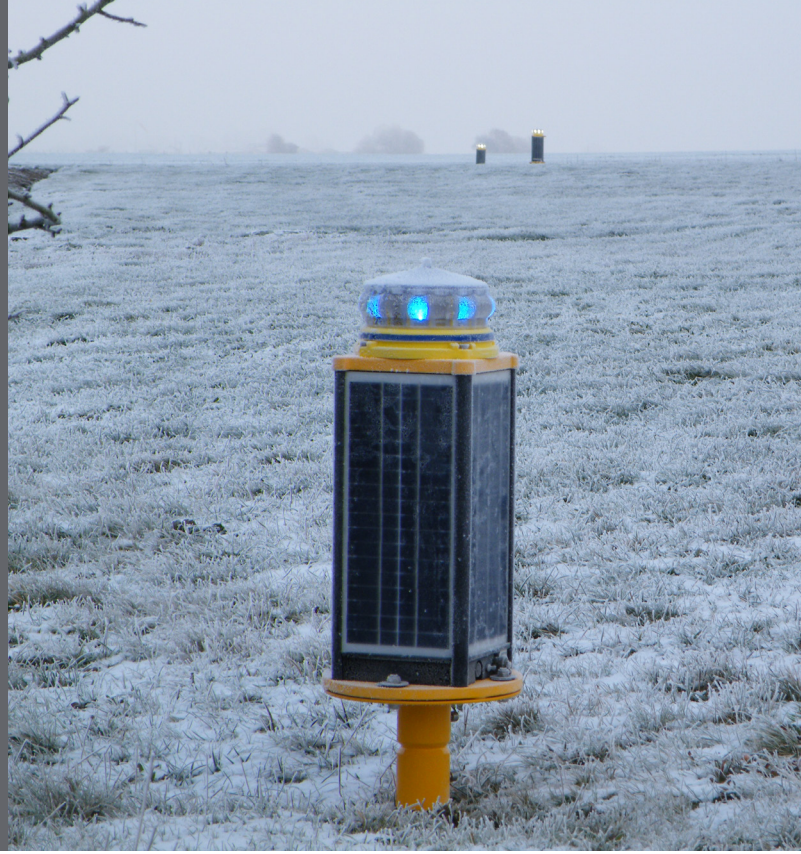
Air Support Unit Base

Owners:

East Midlands Police Force

Date:

December 2010



Avlite's helipad lighting system ensures superior lighting and control for day and night operations

The East Midlands Police Force Air Support Unit required a radio-controlled helipad lighting system suitable for both day and night operations to enhance operational effectiveness and importantly, to increase flight safety.

The Unit provides aerial support over to three communities in the UK's East Midlands region and strives to provide the best possible aerial support to its Police colleagues and other Partner Agencies within the three counties and beyond.

Being the first police operation in the UK to use in-flight NVG technology under CAA and international aviation

rules and regulations, the East Midlands Air Support Unit operates with a full crew using Night Vision Goggles enabling the pilot and the observers to see clearly in the dark. The installation of a helipad lighting system at the Unit's base was the logical next step in their proactive approach to embrace new technologies to increase the operational safety and effectiveness of the Unit's helicopter crews.

Benefits

- Requires no mains power thus reduces carbon footprint
- Very low cost of ownership and low maintenance
- Clear marking of helipad site ensuring safety of pilot and aircraft
- Helipad is clearly visible in low-light and night conditions
- Substantial savings in running costs due to use of solar energy
- Optional NVG mode - to support covert or night-time operations
- AvMesh™ Network is self-realising and has redundancy
- Suitable for emergency and or tactical airfield or helipad lighting
- Completely portable enabling the system to be relocated easily and efficiently





Avlite's UK distributor Systems Interface Ltd, worked closely with the customer to deliver a suitable solution that would complement their newly acquired NVG technology. The customer specifically required an illuminated helipad for day and night operations in both visible and infrared/ NVG configurations that clearly identified the helipad on approach or from above during hovering or in low visibility weather. Avlite's AV425-RF radio controlled solar LED helipad lighting system with optional NVG mode, fulfilled their requirement.

The AV-425-RF system can be controlled from the ground, air traffic control tower, or aircraft cockpit, through the use of the handheld controller via the AvMesh™ network allowing all lights to transmit and receive commands regardless of a single point of failure, increasing the system's reliability and providing fail-safe, self realising encrypted wireless communications.



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The lights are working very well and are in high use for NVG operation.

– Captain Graham Hancock
Chief Pilot
East Midlands Air Support Unit - UK

All Avlite Systems products are manufactured to exacting standards under strict quality control procedures. Avlite's commitment to research and development, investing in modern equipment and advanced manufacturing procedures has made us an industry leader in solar aviation lighting.

By choosing Avlite Systems you can rest assured you have chosen the very best.

Experienced & Trained Personnel

•
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Product Innovation

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Precision Construction

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•
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Avlite[®]
www.avlite.com



11 Industrial Drive
Somerville Vic 3912
AUSTRALIA

t: +61 (0)3 5977 6128
f: +61 (0)3 5977 6124

61 Business Park Drive
Tilton New Hampshire
03276 USA

t: +1 (603) 737 1310
f: +1 (603) 737 1320

11 Pinbush Road
Lowestoft Suffolk NR33 7NL
UNITED KINGDOM

t: +44 (0) 1502 588026
f: +44 (0) 1502 588047

e: info@avlite.com

w: www.avlite.com