



Total Airfield Lighting Solutions



Carmanah Total Airfield Lighting Solutions:

the most advanced **SOLAR** LED technologies for all aspects of airfield lighting

Approach Lighting Systems (ALS)



Our solar powered **approach lighting systems** meet both FAA and ICAO photometrics. Options for sequenced flashing lights, steady burning light, visible and infrared (IR) light, and stepped intensities. Easily reconfigurable to a range of ALS options.

PAPI



The PAPI and the **Abbreviated PAPI (APAPI)** use patented, LED-based optics to achieve the lowest power consumption, highest intensity light, and sharpest red/white transition. Exceeds ICAO, FAA, and STANAG requirements.

Directional Signs



Solar Engine Power Supplies (SEPS) power our **directional signs** and **wind cones** to simplify the process of adding lighting to existing airfields. Avoid cabling and trenching, and limit airfield downtime. Radio control available.

Wind Cones



Wireless Control



Airfield lighting control and monitoring options include **wireless handheld controllers**, **laptop monitoring interfaces**, and an **ARCAL digital radio control**.

Apron Flood Lights



Taxiway Edge Lights



Apron Edge Lights



Self-contained solar **apron edge lights**, **apron flood lights**, and **taxiway edge lights** ensure the safe ground movement of aircraft at all times. Stepped intensities, variable autonomy, and visible or IR light. Wireless or sensor operation. Multiple configuration options available.

Carmanah Aviation is THE source for cost-efficient, scalable, and flexible solar airfield lighting solutions. Installation is quick and simple; no grid power systems, buried cable, or airfield electrical vaults are needed – just the natural power of the sun harnessed by our high-technology products. Once installed, our durable systems provide maintenance-free operations for up to five years, with life expectancy up to 15 to 20 years. Carmanah’s versatile airfield lights include power options (solar, AC, or generator), control options (wireless or non-wireless), and installation options (fixed, temporary, or emergency). Carmanah Aviation also provides installation and long-term maintenance services ensuring an easy transition to lower cost, energy efficient solar lighting solutions.

Runway Edge Lights



Our durable, portable **runway edge lights** and **runway threshold lights** offer a low-power, low maintenance runway lighting alternative for permanent, temporary, or emergency installations. Visible or infrared (IR) light, variable light intensities, and variable autonomy. Multiple models available.

Runway Threshold Lights



Elevated Runway Guard Lights



Elevated **runway guard lights** with Solar Engine Power Supply provide 24-hour unidirectional flashing to aid in reducing airfield incursions at unmarked runway and taxiway intersections.

Helipad Light Systems



Carmanah’s complete solar-powered **helipad lighting kits** are ideal for rapid deployment or off-grid or remote helipads. Variable light intensities, multiple autonomies.

Obstruction Lighting Systems



Self-contained solar **obstruction lights** offer red, white, or IR light and optional GSM monitoring. ICAO and FAA compliant; Type A, B, C (10cd, 32cd, 2000cd intensities).

Barricade Lights

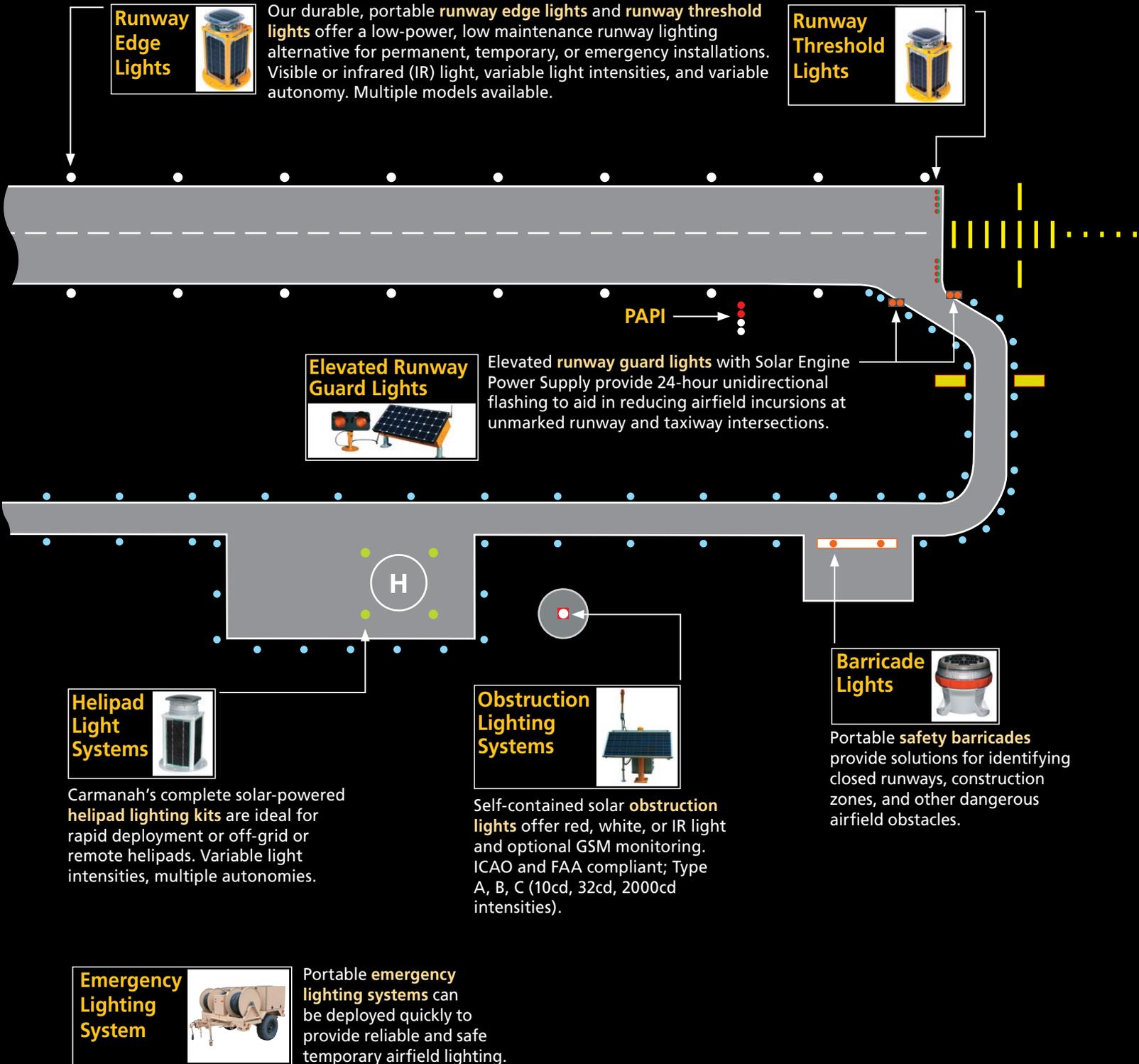


Portable **safety barricades** provide solutions for identifying closed runways, construction zones, and other dangerous airfield obstacles.

Emergency Lighting System



Portable **emergency lighting systems** can be deployed quickly to provide reliable and safe temporary airfield lighting.



TOTAL SOLUTIONS

Carmanah Aviation also provides mounting hardware, installation and test equipment, spare parts, and all of the accessories you will need to realize your

Total Airfield Lighting Solution

frangible
couplings
bird deterrents
obstruction marking
wireless controls
rigid carry cases
precision approach
path indicator
install
services
cable trailer
tower and crane marking
directional signs
base plates
laptop computer monitoring
barricade mats
maintenance services

Product Innovation. Proven Market Leader. Solar LED Lighting Pioneer.

CARMANAH CUSTOMIZABLE SOLUTIONS

Carmanah Aviation recognizes the unique and varying complexities of every civil and military airfield project. A long history of engineering excellence, high standards for customer service, and proven product performance establish Carmanah as the preeminent provider of custom-designed, sustainable airfield lighting systems.

carmanahaviation.com



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AVIATION