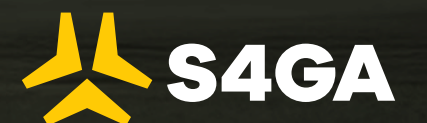


Trailer-Mounted Mobile Airfield Lighting

For Deployed Operations



Deployed by NATO
STANAG 3534 Compliant



Rapidly Deployable Mobile Airfield Lighting



3,500 m

Runway

Fits into NATO-Standard
Tactical Trailer



Deployed by
NATO

Used by USAF, Bundeswehr,
NATO partners



Operational in
20 Minutes



Wirelessly
Controlled



Towable
STANAG 4101
STANAG 4007



Electronic Warfare

Resistant



Autonomous, Wirelessly Controlled **Airfield Lights**

With Individual Light Monitoring

NVG

Compatibility

Dual mode: visible /
IR switchable



High Visibility

>10 km visibility
range confirmed



High Autonomy

180+ hours
on a single charge



Wireless Control



Individual Light Monitoring



Dual Battery System

Primary & backup batteries
for enhanced redundancy

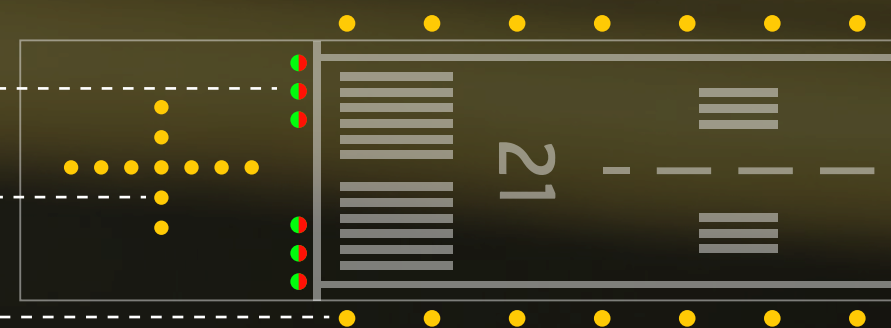


Configurations

Threshold-End

Approach

Runway Edge



STANAG 3534



ICAO Annex 14

IP68 / IK-10 rated durability

Fail-Safe Wireless Control System

Control is maintained across all operational scenarios, e.g. jamming, cyber threat, or loss of primary systems.



Resistant
to Electronic Warfare

Jamming

- Encrypted
- Authorized access only

Signal Loss

- Layered wireless control structure
- Manual override – works without network connection



Individual Light Monitoring
Any failures are instantly detected by real-time monitoring



Ensures top-tier data encryption and protection

Mesh Network
>10 km operating range



PRIMARY CONTROL
A software application (ALCMS), installed on a rugged military touchpad, provides full wireless control of the lighting system under normal conditions.



SECONDARY CONTROL
If the ALCMS is unavailable, the user can operate the lighting through the UR-201 Control Unit.



BACKUP CONTROL
If the UR-201 is also unavailable, the UR-101 Handheld Controller provides a seamless backup operation.

Layered
Control Structure



NATO-Compatible Tactical Trailer



Deployed by NATO
STANAG 3534 Compliant

For secure transport, **fast recharging**,
and safe storage of airfield lighting



Road Towable by



HMMWV



Light Tactical Vehicles

- STANAG 4101 towing eye
- STANAG 4007 12-pin connector



Air Airlift



C-130



C-295



A400M



CH-47

- Forklift & sling-load capable



Container / Flatbed



STANAG 2413
lashing points



20-ft container



Control & Monitoring

AGL Control

- Integrated ALCMS with UR-201 and UR-101 modules
- Real-time individual light status update

Trailer Systems Control

- Charging and illumination systems



Enhanced Field Capabilities

Integrated Floodlight Mast

- For field setup, maintenance, and low-light ops

Mobile Meteo Station

- Meteorological data display with real-time weather readings


Trailer Illumination

- Flashing caution lights
- Internal lighting (red, white)
- External lighting (white)



Power Supply & Drop-In Charging

- Power input: 110-230 VAC
- Drop-in charging of airfield lights
- 2x onboard generators
- Internal battery for silent, off-grid ops

 **Drop-In Charging**



2X
Onboard Generators



≤ 3,500 kg
Total weight
(fully equipped)

Max speed

90km/h >>>



Proven. Trusted. Deployed. Worldwide.

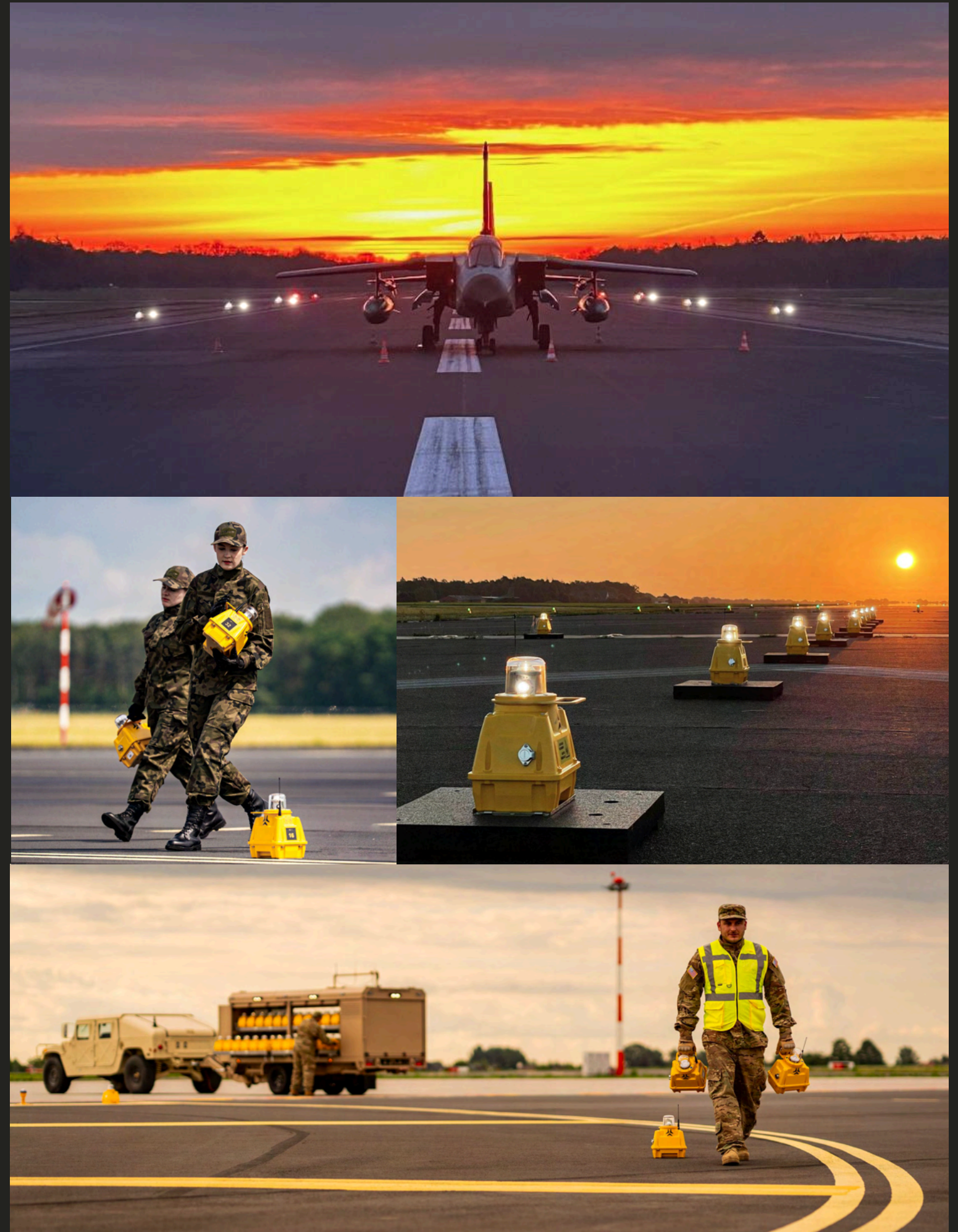
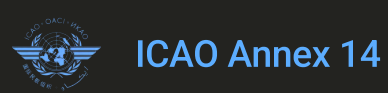
Used by NATO and allied air forces including USAF and Bundeswehr. Trusted in 70+ countries for rapid and reliable runway lighting.



250+
Applications

10+
Years

70+
Countries



Contact us

office@solutions4ga.com

www.solutions4ga.com

+48 22 270 10 29

