



WORLD'S SAFEST RUNWAY LIGHTING



CONFIDENCE

LIGHT #37 
BAT LEV 87%
AUTONOMY 
CHARGING SOLAR
TEMP 23°C

ALCMS

For **Solar** Airfield Lighting

Know the Status of **Every Light**
Ensure Readiness Across Your System



ALCMS by S4GA Delivers Full Transparency and Control Over Your Solar Lighting System.
Discover the Peace of Mind That Comes With **Advanced Monitoring** and Real-Time Insights


Monitor Every Light

Eliminate Uncertainty

Our **advanced control** and monitoring system ensures visibility, reliability, and confidence in your solar airfield lighting.

LIGHT #47 
BAT LEV 87%
AUTONOMY 
CHARGING SOLAR
TEMP 23°C

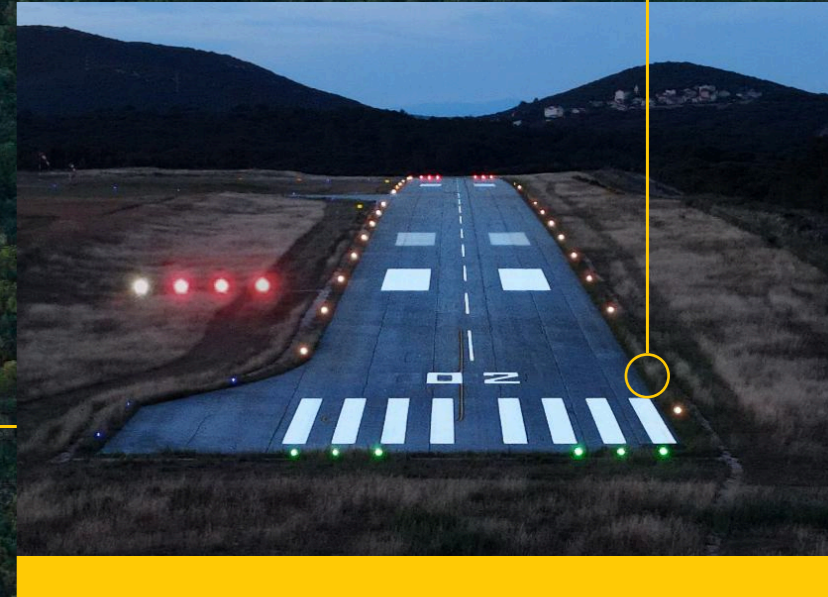
PAPI 02 
BAT LEV 93%
AUTONOMY 
CHARGING SOLAR
TEMP 26°C

 **Alarm Notification**
10.04.2024 16:53:16
(3 days ago)
Light #35 : **offline**



20+
Data Points

Monitored in real time
for every light



Command Every Group

Wirelessly and Fail-Safe

ALCMS seamlessly integrates control over every lighting component on the airfield – runway, taxiway, and PAPI.

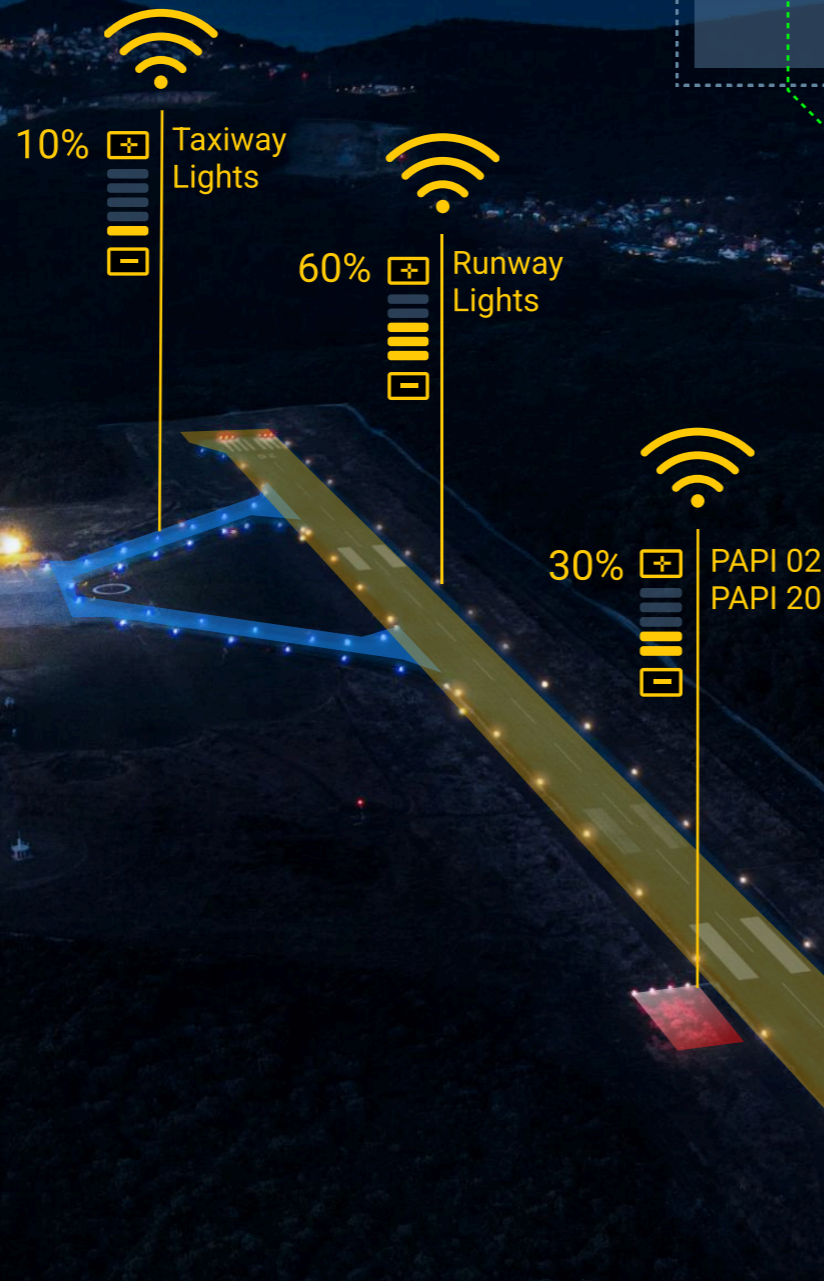


Ensures top-tier data encryption and protection

Cyber Secured

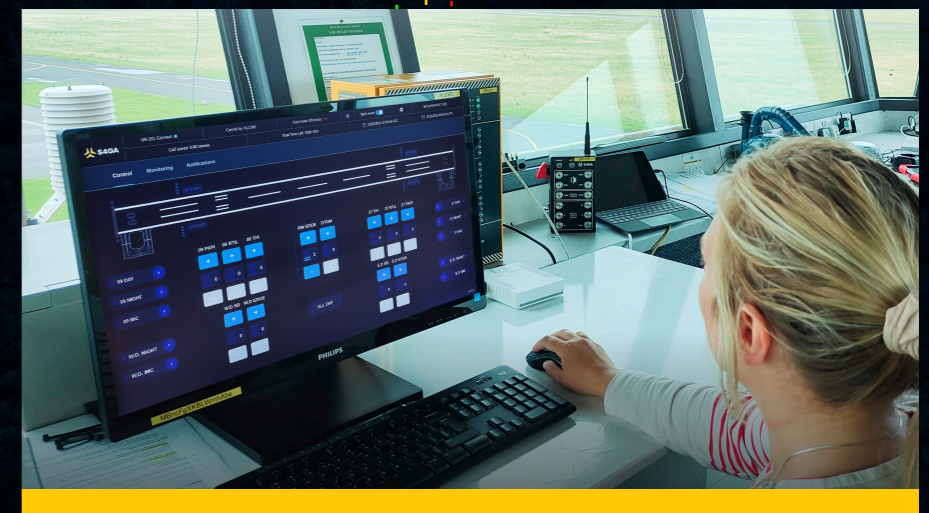
- Encrypted – AES-256, HTTPS, TLS 1.3
- Isolated – no external network required
- Threat Defense – IDS/IPS with failover
- Compliant – NIST & ISO 27001

Mali Losinj Airport, Croatia 44.56817° N, 14.39180° E



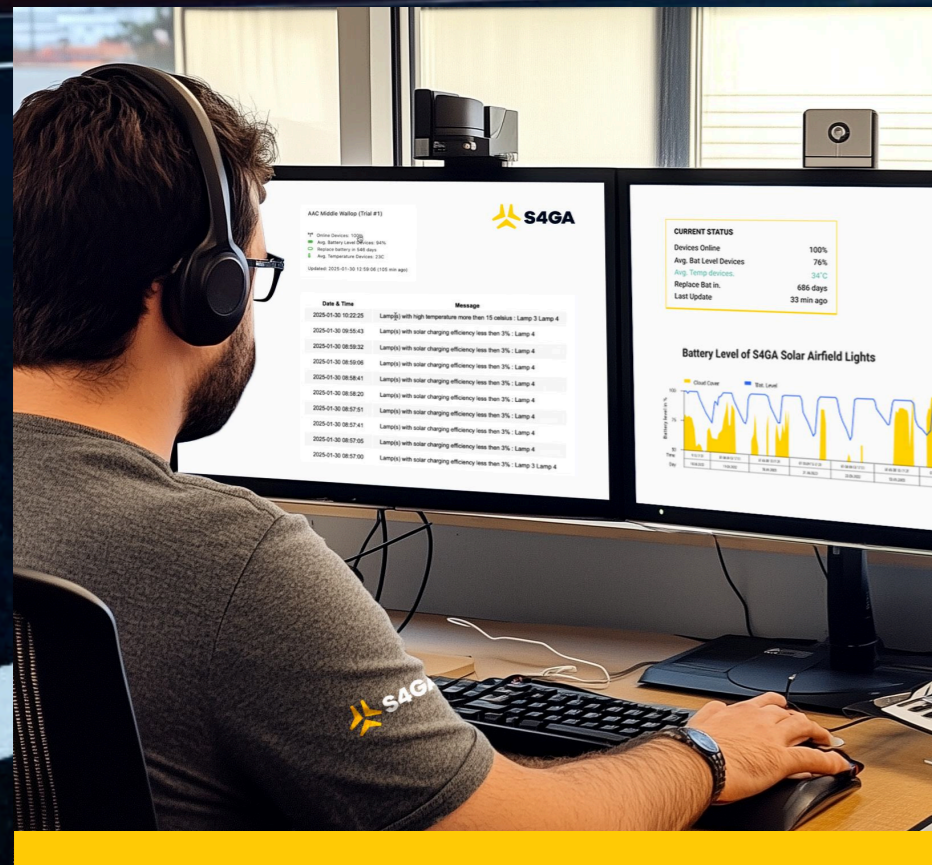
- PRIMARY CONTROL**
The ALCMS provides full control over the lighting system under normal conditions.
- SECONDARY CONTROL**
If the ALCMS is unavailable, the user can operate the lighting through the UR-201 Control Unit.
- BACKUP CONTROL**
If the UR-201 is also unavailable, the UR-101 Handheld Controller provides a seamless backup operation.

Fail-Safe Control System



Cloud Data Diagnostics

ALCMS enables the S4GA Tech Team to quickly diagnose faults and efficiently fix issues. For airport staff, it reduces downtime and lowers maintenance costs. No matter the distance, S4GA delivers reliable support.



Accurate problem
diagnostics by
S4GA Tech Team

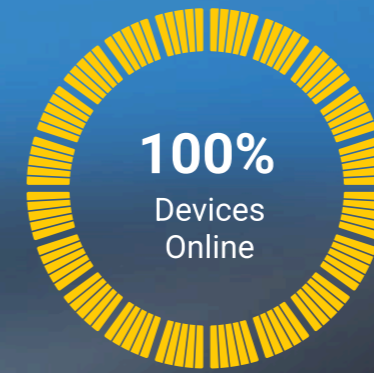


Granites Airport, Australia -20.54931° N, 130.34679° E

Analyze The Data Of Your Solar System

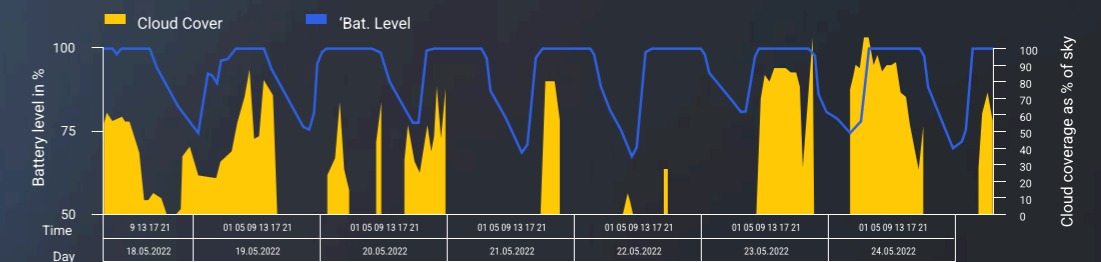


CURRENT STATUS



- 57 sec ago
Last update
- 686 days
Replace Bat in.
- 34°C
Avg. Temp
devices

Battery Level vs. Cloud Cover History



! ALARM NOTIFICATIONS

- 10.12.2024 16:13:31
Light #35 : offline
- 06.11.2024 11:35:18
Light #17, 19 : Battery Level < 50%
- 04.05.2024 14:17:53
Control Unit MAINS failure
No Internet Connection

Globally tested

From **arctic** to desert, from
desert to **tropics**



1M+

Data points

10+

Years

70+

Countries



12 months of testing, all seasons,
all climates. Proven in all extreme
conditions



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RUNWAY LIGHTING**

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