WORLD'S SAFEST RUNWAY LIGHTING

S4GA

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

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

Monitor Every Light

Eliminate Uncertainly

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

⚠ Alarm Notification

10.04.2024 16:53:16
(3 days ago)

Light #35 : offline

PAPI 02

BAT LEV	93%
AUTONOMY	∞
CHARGING	SOLAR
TEMP	26°C

20+
Data Points

Monitored in real time
for every light

📍 Mali Losinj Airport, Croatia 44.56817° N, 14.39180° E
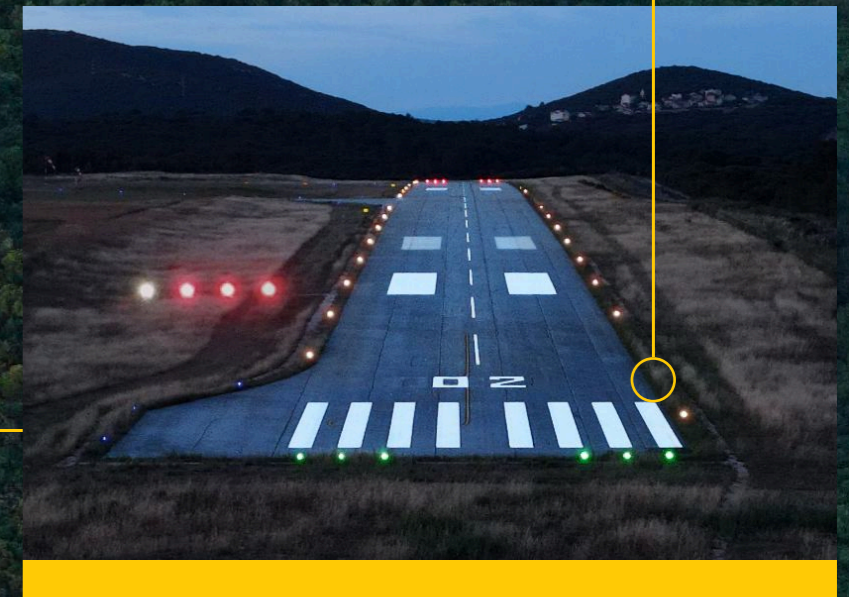
Command
Every Group

Wirelessly and Fail-Safe

ALCMS seamlessly integrates control over every lighting component on the airfield — runway, taxiway, and PAPI.
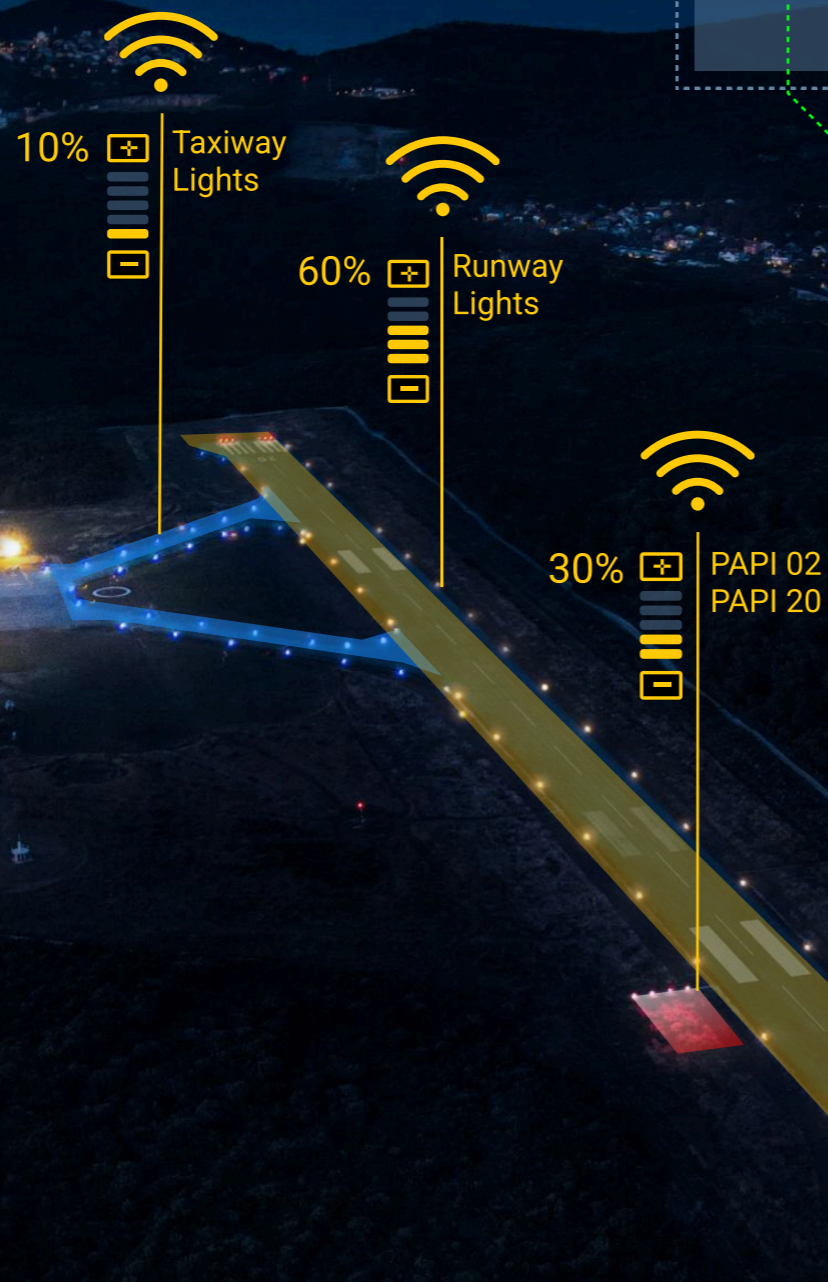
AES 256

Ensures top-tier data encryption and protection

● **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.

10% Taxiway Lights

60% Runway Lights

Fail-Safe Control System

30% PAPI 02 PAPI 20

Cyber Secured

▌ Encrypted – AES-256, HTTPS, TLS 1.3

▌ Isolated – no external network required

▌ Threat Defense – IDS/IPS with failover

▌ Compliant – NIST & ISO 27001

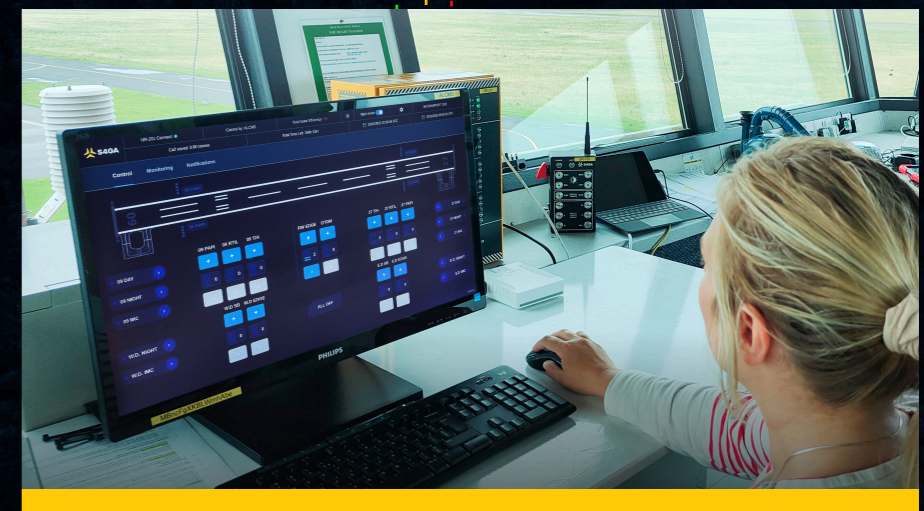📍 Mali Losinj Airport, Croatia 44.56817° N, 14.39180° E

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.
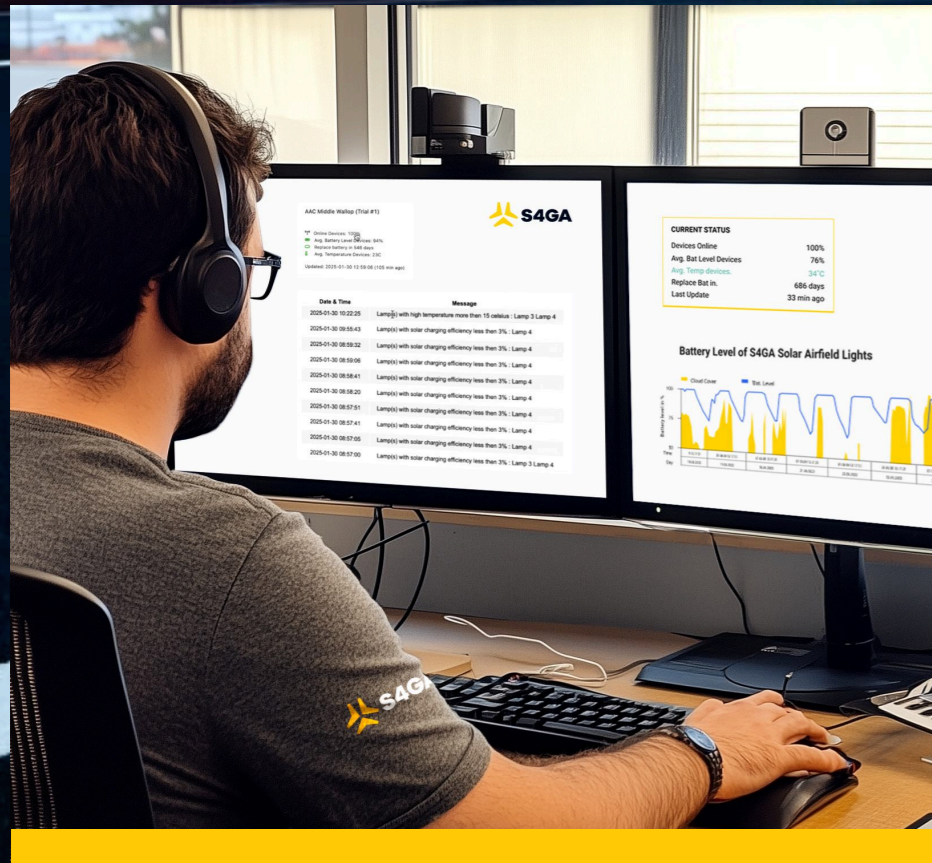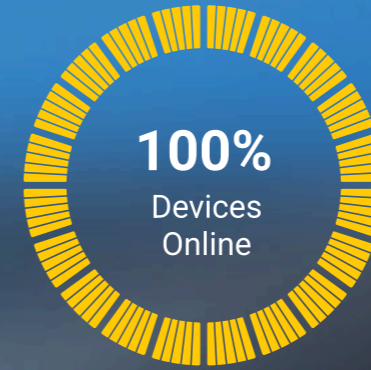
Accurate problem diagnostics by **S4GA Tech Team**

24/7

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

Analyze The Data Of Your Solar System

☁ CLOUD

CURRENT STATUS

100%
Devices Online

76%
Avg. Bat Level Devices

57 sec ago
Last update

686 days
Replace Bat in.

34°C
Avg. Temp devices

Battery Level vs. Cloud Cover History

Cloud Cover   ˈBat. Level

Battery level in %

Cloud coverage as % of sky

Time	9 13 17 21	01 05 09 13 17 21	01 05 09 13 17 21	01 05 09 13 17 21	01 05 09 13 17 21	01 05 09 13 17 21	01 05 09 13 17 21
Day	18.05.2022	19.05.2022	20.05.2022	21.05.2022	22.05.2022	23.05.2022	24.05.2022

⚠ 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

Arctic
**Extreme Cold
(-50°C)**

Scotland
**Constant
Cloud Cover**

Jamaica
**Corrosive
Salt Air**

Kuwait
**Extreme Heat
(+70°C)**

Ethiopia
**High UV
Exposure**

Amazonia
**High Humidity
(99%)**

Maldives
**Heavy
Rainfall**

Australia
**Sand Storm
& High Heat**

1M+
Data points

10+
Years

70+
Countries

12

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

S4GA

WORLD'S SAFEST RUNWAY LIGHTING

Contact us

www.solutions4ga.com
+48 22 270 10 29
office@solutions4ga.com