

# CASE STUDY

## GREECE

### THESSALONIKI

### AIRPORT

#### PROJECT KEY FACTS

**Airport:** Thessaloniki International Airport Macedonia

**Location:** Greece

**Application:** The 3<sup>rd</sup> busiest international airport in Greece

**Solution:** Solar LED Runway Lighting System

**Products:** Solar Runway Edge Lights, Solar Runway Threshold End Lights, UR-201 Control & Monitoring Unit, ALCMS Basic

**Buyer:** Fraport

**Year of Installation:** 2017



#### OVERVIEW

Thessaloniki Airport (officially Thessaloniki Airport "Makedonia") is the third largest international airport in Greece operated by Fraport. The airport has two runways equipped with ILS navigation systems.

Few years ago Greek government launched the upgrade program for Thessaloniki and few other airports and handed it over to Fraport Greece. For Thessaloniki, the project included extension of Runway 10-28 with the additional modernization of runway 16-34.

#### CHALLENGE

Despite the fact that both runways have been closed for reconstruction, the airport still had to continue flight operations: there are no similar airports nearby where flight operations from Makedonia Airport could be transferred to.

Fraport started looking for temporary runway lighting with strict requirements:

- certified and compliant with ICAO regulations
- AGL system should operate nonstop 24/7
- Delivery within a month – which is extremely short period for implementation of such project

#### SOLUTION

S4GA offered solar LED runway lighting system which fully met Fraport's requirements:

- S4GA solar AGL is compliant with ICAO Annex 14 and certified by Intertek
- It operates 365 days on solar energy
- S4GA ALCMS – Airfield Lighting Control and Monitoring System – allows control of solar runway lighting from Airport Tower
- the Company managed to manufacture and deliver the system within one month.





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## S4GA PRODUCTS

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**SOLAR RUNWAY  
EDGE LIGHT**

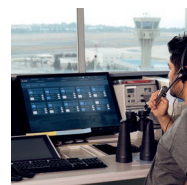
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**SOLAR RUNWAY  
THRESHOLD END  
LIGHT**



**UR-201 CONTROL  
& MONITORING  
UNIT**



**ALCMS CONTROL  
& MONITORING  
SYSTEM BASIC**

## APPLICATION PHOTOS

