

CASE STUDY

FRANCE

CHARTRES- CHAMPHOL AERODROME

PROJECT KEY FACTS

Airport: Chartres-Champhol Aerodrome

Location: France

Application: Regional Airport

Runway: 840 m x 25 m

Solution: Solar LED
Airfield Lighting System

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

Year of Installation: 2017



OVERVIEW

S4GA supplied solar airfield ground lighting for French Airport – Aérodrôme de Chartres – Champhol. The contract was executed by S4GA French partner – ALPHA-AIRPORT. It was the first solar AGL installation in France.

CHALLENGE

Chartres – Champhol Aerodrome is a regional airport located in north-central France. Equipped with a hard runway of 840 m x 25 m the aerodrome has been supporting general aviation since the nineteenth century. In 2017 Airport Authorities decided on the runway upgrade with a new airfield lighting system. Among many requirements, a new illumination solution had to ensure the highest reliability, be economically advantageous, and compliant with international aviation regulations.

S4GA was chosen as the only system that met all of the client's criteria.

SOLUTION

S4GA offered a solar runway lighting system as the best solution for Chartres – Champhol Aerodrome. It does not require any electrical infrastructure, installation is fast, and maintenance is simple. Thus, aerodrome gets a bulk of advantages:

- No trenching works
- No electricity bills
- Only 3 months for complete project implementation
- Fully compliant with EASA
- System approved by DGAC (French Civil Aviation Authority)

Total investment in S4GA solar system is 30-50% lower compared to wired runway illumination. Operational costs are close to zero – the system operates on solar energy.

Simple maintenance makes S4GA system even more attractive solution for aerodromes: it's all about replacing batteries once in 2-3 years and cleaning solar panels once in a few weeks.



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S4GA PRODUCTS

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SP-401S SOLAR
RUNWAY EDGE
LIGHT

②



SP-401S SOLAR
RUNWAY
THRESHOLD END
LIGHT



UR-201 CONTROL
& MONITORING
UNIT



ALCMS CONTROL
& MONITORING
SYSTEM BASIC

APPLICATION PHOTOS

