

CASE STUDY

ARGENTINA

MILITARY AIRBASE

PROJECT KEY FACTS

Location: Argentina

Application: Military Air Base

Solution: Portable Airfield Lighting Trailer

Products: Portable Runway Edge Lights, Portable Runway Threshold End Lights, Portable Full PAPI, Power Bank for PAPI, Diesel Generator, UR-201 Control & Monitoring Unit, UR-101 Handheld Controller, Trailer

Year of Delivery: 2019



OVERVIEW

Argentine Air Force (Spanish: Fuerza Aérea Argentina, FAA) is aviation branch of the Armed Forces of the Argentine. There are few air bases around the country that belong to FAA and are used for military trainings.

In 2018, FAA requested for mobile airfield lighting system which army was going to use at its air bases. A Tender for supply and delivery of portable airfield lighting trailer was issued. S4GA received an official invitation to bid and won the tender.

CHALLENGE

Military Customer has put special technical requirements to the trailer design and airfield lights. Any standard solution available on the market would not fit:

- High operating time (autonomy) of the lights required
- The trailer had to accommodate two full mobile PAPI systems together with airfield lights
- Contactless charging of the lights
- All equipment to be made of durable materials to withstand extreme climate conditions of Argentina and to ensure long lifespan
- Non-standard trailer dimensions.

SOLUTION

S4GA offered portable airfield lighting system stored in a tailored trailer specifically designed for Argentine Air Force:

- 86 x portable airfield lights, remotely controlled from handheld controller and air-band radio, certified and compliant with ICAO requirements
- 2 x mobile full PAPI systems powered by diesel generators
- Power banks to ensure PAPI autonomous operations for at least 60 minutes
- Automatic immediate light failure reporting system built in a Trailer
- S4GA Trailer is made of high-grade aluminum and designed to fit in a C-130, for transportation.

S4GA Trailer is the best solution for military air bases where high performance of the system and its compliance with industry standards is a must.



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S4GA PRODUCTS



PORTABLE
RUNWAY EDGE
LIGHT



PORTABLE
RUNWAY
THRESHOLD END
LIGHT



PORTABLE PAPI
LIGHT



POWER BANK
FOR PAPI



UR-201 CONTROL
& MONITORING
UNIT



UR-101 HANDHELD
CONTROLLER



DIESEL
GENERATOR



TRAILER

APPLICATION PHOTOS



S4GA Military Trailer equipped with portable airfield lighting system



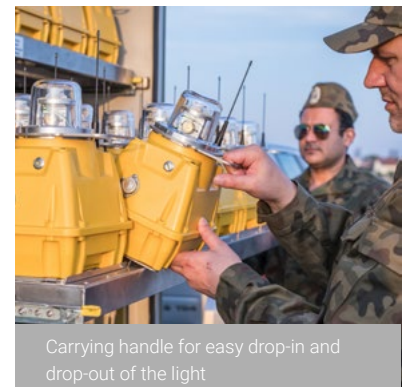
UR-101 Handheld Controller



SP-401 Portable Airfield Lights



Portable full PAPI system



Carrying handle for easy drop-in and drop-out of the light