

# CASE STUDY THAILAND PHITSANULOK AIRPORT

## PROJECT KEY FACTS

**Location:** Thailand

**Application:** Domestic Airport

**Solution:** Emergency Runway Lighting in a Trailer

**Products:** Portable Runway Edge Lights, Portable Runway Threshold End Lights, Portable LED PAPI, Power Banks for PAPI, Diesel Generators, UR-201 Control & Monitoring Unit, Trailer

**Year of Delivery:** 2020



## OVERVIEW

Phitsanulok Airport (ICAO: VTPP) is a domestic airport in Thailand operated by DOA (Department of Airports of Thailand). The airport has 3 000 m paved runway equipped with a wired primary lighting system.

In recent years DOA decided to increase availability and safety of Phitsanulok Airport by investing in an emergency runway lighting. A public tender for the supply of Emergency Runway Lighting has been issued.

## CHALLENGE

The backup runway lighting system is required whenever the primary AGL is unavailable: during runway rehabilitation works, AGL maintenance, power failure or any other emergency situations. Thus, DOA was looking for a reliable backup solution compliant with ICAO regulations. High autonomy and mobility of the system was one of the key requirements.

## SOLUTION

S4GA offered an emergency runway lighting system in a trailer:

- certified and compliant with ICAO regulations
- remotely activated and pilot-controlled
- high mobility and high autonomy of the lights
- suitable trailer for storage and transportation of the lights.

The Trailer is equipped with AGL Control & Monitoring System allowing to control S4GA lights remotely from land and from the air. It also notifies airport technicians about lighting fixtures failures (e.g. low battery level, light is out of runway).

S4GA airfield lighting trailer has been selected as the best solution for Phitsanulok Airport. With S4GA emergency runway lights, airports are available and open for flight operations regardless of any malfunctions of the primary AGL.



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## S4GA PRODUCTS

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**PORTABLE  
RUNWAY EDGE  
LIGHT**

②



**PORTABLE  
RUNWAY  
THRESHOLD END  
LIGHT**

③



**PORTABLE  
TAXIWAY LIGHT**



**PORTABLE  
LED PAPI**



**POWER BANK  
FOR PAPI**



**DIESEL  
GENERATOR**



**UR-201 CONTROL  
& MONITORING  
UNIT**



**TRAILER**

## APPLICATION PHOTOS

