

# CASE STUDY PAPUA NEW GUINEA NADZAB AIRPORT

## PROJECT KEY FACTS

**Airport:** Lae Nadzab Airport

**Location:** Papua New Guinea

**Application:** Regional Airport

**Runway length:** 2 439 m

**Solution:** Permanent Solar Runway Lighting

**Products:** Solar Runway Edge Lights, Solar Threshold End Lights, UR-101 Handheld Controller, OCT-401 Charger

**Buyer:** Perfect Airport Solutions

**Year of Installation:** 2020



## OVERVIEW

Together with our partner Perfect Airport Solutions, S4GA supplied a solar airfield lighting system to Nadzab Airport in Papua New Guinea. The airport will use solar AGL for daytime and night flight operations during the airport redevelopment project.

## CHALLENGE

Nadzab Airport is a regional airport in Papua New Guinea operated by NAC (National Airports Corporation in Papua New Guinea). It is served by both private and regional aircraft with domestic flights. With a growing demand for cargo and passenger traffic in the region, the Government of the Independent State of Papua New Guinea undertook the Nadzab Airport Redevelopment Project. To keep the Airport operational during runway rehabilitation works, it was decided to acquire a temporary AGL system.

## SOLUTION

After thoughtful consideration, it was the S4GA solar-powered airfield lighting that proved to meet the airport's requirements in terms of safety, flexibility, and implementation time. The key factor that pointed to S4GA AGL as the best solution for the project was its improved operational safety. As a traditional, wired solution would have exposed cabling (which could be hazardous during the construction work) Customer opted for a more suitable and safe system. Additionally, S4GA non-wired solution proved to be much faster to implement. It was also quick and easy to rearrange following the construction works progress.

- No trenching works and no electrical infrastructure are required to run S4GA solar lighting
- Easy installation and maintenance that can be performed by local engineers
- Power-safe AFL that keeps the airport operational regardless of power supply issues
- Close to zero operational cost
- Full remote control of S4GA runway lighting from the ATC Room.
- Compliance with international aviation regulations – ICAO, FAA, EASA, and STANAG

S4GA's solar airfield lighting system played a crucial role in the successful completion of a project at Nadzab Airport. Now, this system is available for rent to new development projects in the area. To know more about this opportunity, interested parties can contact our partner, Perfect Airport Solutions.



# CASE STUDY PAPUA NEW GUINEA NADZAB AIRPORT

S4GA PRODUCTS



SOLAR RUNWAY  
EDGE LIGHT W/W



SOLAR RUNWAY  
THRESHOLD END  
LIGHT



SOLAR TAXIWAY  
LIGHT



UR-101 HANDHELD  
CONTROLLER



OCT-401  
CHARGER

APPLICATION PHOTOS

