

# CASE STUDY

# INDONESIA

## NABIRE AIRPORT

### PROJECT KEY FACTS

**Airport:** Nabire Airport

**Location:** Indonesia

**Application:** Domestic Airport

**Runway Length:** 1 400 m

**Solution:** Permanent Solar Runway Lighting

**Products:** Solar Runway Edge Lights, Solar Threshold End Lights, Solar Taxiway Edge Lights, Halogen PAPI Lights, UR-201 Control & Monitoring Unit, UR-101 Handheld Controller, OCT-401 Charger

**Buyer:** Directorate General of Civil Aviation (Indonesia)

**Year of Installation:** 2022



### — OVERVIEW

S4GA has supplied Nabire Airport in Indonesia with Solar Airfield Lighting System. It's for the second time, that an airport located in the Papua region chooses S4GA Solar Runway Lighting Solution.

### — CHALLENGE

Douw Aturure Airport is a domestic airport located in Nabire Regency, Papua, Indonesia. In recent years, due to runway deterioration, the Directorate General of Civil Aviation in Indonesia decided to start a runway rehabilitation project. The renovation plan included acquiring a new airfield lighting solution, that would upgrade the safety of the flight operations.

The main challenge in choosing a new runway lighting system was to get around the problem of expensive and time-consuming installation – one of the main issues when choosing a conventional, wired solution.

### — SOLUTION

To overcome issues of costs and installation time, the Airport Operator considered a portable lighting system. However, after learning about the benefits of solar technology, it was decided that S4GA Solar AGL would be the best choice that met all of the Airport criteria.

- Low Investment – 30% lower costs compared to wired airfield lighting
- No expensive and time-consuming installation – no civil works, no cables, no electrical substations are required
- ZERO electricity bills – solar power in Nabire is enough to keep the runway operational 365 days a year using only solar energy
- Low cost of maintenance – everything can be performed by airport people, no need to hire an external contractor
- Compliance with international aviation standards – such as ICAO, FAA, STANAG
- Good experience with S4GA Solar AGL in the Papua region – In 2020 Nadzab Airport acquired S4GA Solar Runway Lighting. Since that time S4GA AGL system has been in use, proving to meet the highest standards in terms of safety and overall performance.

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## S4GA PRODUCTS



SOLAR RUNWAY EDGE LIGHT W/W



SOLAR RUNWAY THRESHOLD END LIGHT



SOLAR TAXIWAY EDGE LIGHT



HALOGEN PAPI LIGHT



UR-201 CONTROL & MONITORING UNIT



UR-101 HANDHELD CONTROLLER



OCT-401 CHARGER

## APPLICATION PHOTOS

