



LOCATION Bahamas

DATE 2022

CLIENT Civil Aviation Authority

EQUIPMENT Retroreflective Taxiway Markers
Model iSeries 600-2T

APPLICATION Taxiway Marking System for
24/7 Operations

SYNOPSIS

Aviation Renewables supplied retroreflective taxiway edge light markers for use at a large international airport in the Bahamas. The markers offer an ideal complement to the solar runway lighting, at a fraction of the cost.

CHALLENGE

The Bahamian Airport has been in the process of rebuilding after suffering catastrophic damage from a Hurricane in 2019. The existing electrical infrastructure for airfield ground lighting (AGL) was inundated by seawater and destroyed.

As part of the rebuilding process, the airport elected to use Solar Runway Edge lighting. These self-contained lights were installed at a lower cost than conventional lighting and are IP68 waterproof to prevent damage from any future damage from seawater at the low-lying airport. Due to the limited budget that the airport was allocated for re-construction, they were eager to find ways to save money while still offering a fully ICAO-compliant lighting system for night operations.



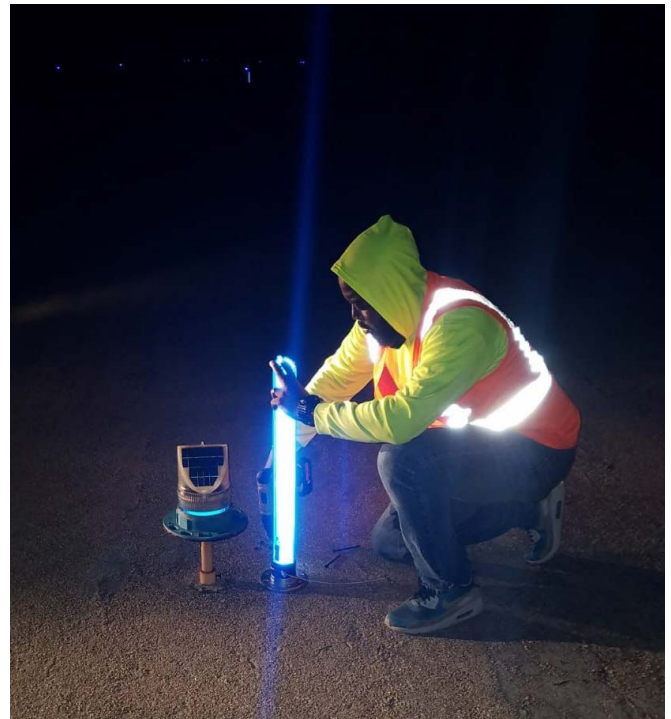


SOLUTION

Aviation Renewables manufactured and supplied iSeries 600-2T taxiway markers for this project. The 600-2T meets ICAO standards for taxiway edge markers and allows airports to be compliant while working within limited budgets.

The 600-2T is the only taxiway marker on in the industry to feature a replaceable reflective sleeve, making it simple to restore the reflectivity of the unit without disposing of the entire structure. The micro-prismatic reflectivity is visible from over 1km at night, giving clear guidance to pilots.

Given the challenging salt-laden environment, the marker was shipped with a unique CPVC flange which will prevent corrosion. The markers can be affixed to concrete with expansion anchors, secured to soil using spikes, or mounted to threaded stakes. The versatility, durability and low cost of this solution made it an ideal fit for this project.



iSeries