

PAPI Calibration using Drone Solutions

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INSPECTION OF AIRPORT SYSTEMS AND NAVAIDS

CANARD has developed a comprehensive solution for the inspection of AGL, NAVAIDS and Infrastructure in airports. Through a single platform users can carry out different inspections: PAPI, ALS, Runway Lights, ILS, VOR, ETOD/Obstacle and PCI. Having a commercial off-the-shelf product like CANARD's, users are completely autonomous to use the system and outcomes.

Partners

Canard Drones



Services

Airport Solutions

Calibration of PAPI systems

Our solution for calibration of PAPI systems fully replaces the flight inspections with manned aircraft for commissioning, inspection and calibration. The operation is done in a few minutes and can be carried out during day or night time, which allows a more flexible scheduling. It is being used regularly by airports such as Charles de Gaulle (Paris) since 2018.

A more accurate method is guaranteed thanks to specific procedures and a drone that uses differential GNSS positioning (RTK), achieving 2cm even vertically. The measurements are very repeatable and below 2 minutes of degree in accuracy.

This method fully replaces the need of flight inspection by aircraft and has been implemented in several airports around the world.

The measurements taken during the inspection can be visualised in real-time in the Calibration Tool App in the tablet and automatically generate a PDF calibration report.

Measurements and checks:

- PAPI Installation Horizontality
- Transition Angles For Each PAPI Unit
- PAPI System Angle
- MEHT
- Angular Coverage
- Symmetry
- Relative Brightness

Client Benefits



COST REDUCTION



**REDUCED RUNWAY
OCCUPATION**



15 MINUTES

Get in touch with a consultant »
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