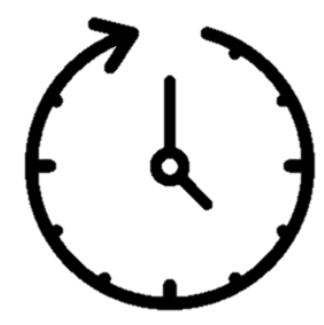# Cloud-Based Smart Plane Detection Solution
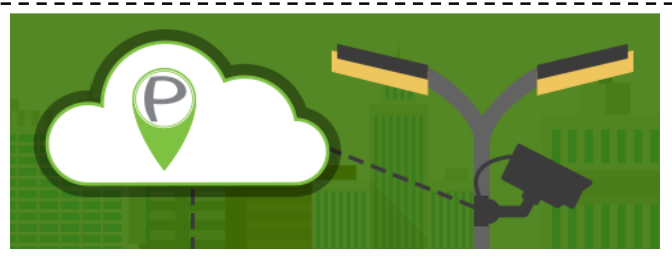
Pain Points

➢ Currently, airline companies tell airports how long each of their plane is staying parked at the gate.
➢ Airport managers have currently no possibility to check this information.

➢ Airports possibly miss on landing fees, parking and hangar charges.
➢ Airports lose revenues in case of mistakes.

Introduction to Parquery

Founded in 2014, Parquery analyses any image from any camera to detect objects and provide real-time results to customers in the smart city - smart mobility sectors. Parquery's smart parking solution provides real-time results on both parking occupancy and exact parking duration to customers: retail, real estate, airports, train stations, private car parks, bus depots, gas stations.
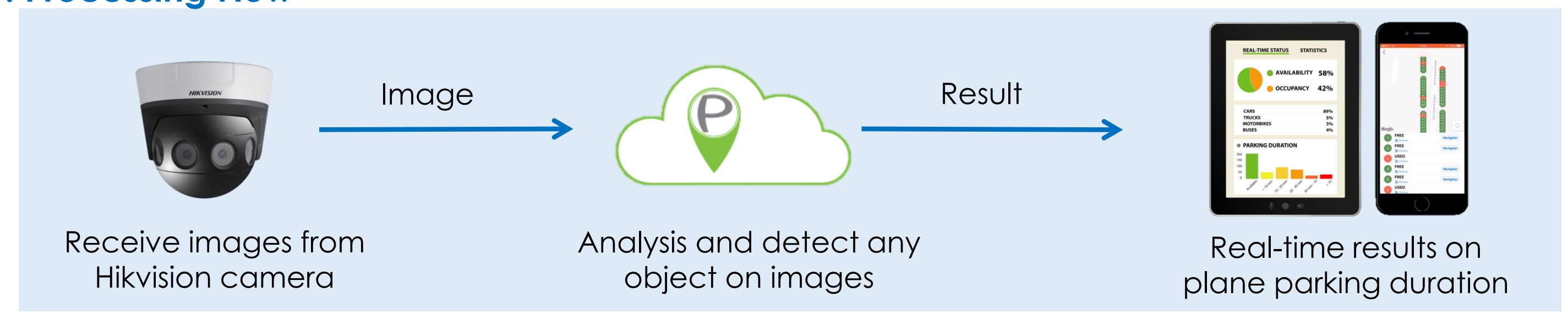
Product Showcase

◆ DS-2CD6984G0-IH(S)(AC)(/NFC)

- 1/2" Progressive scan CMOS
- Max. resolution 8160 × 3616 @ 30 fps in panorama display mode
- Panorama field of view: horizontal FOV 180°, vertical FOV 95°
- Multiple display modes available
- Panorama, original, panorama + ePTZ, and divided panorama
- Four IR LEDs, up to 20 m IR distance
- H.265, H.264

◆ Parquery Cloud

- Understand and predict plane turnarounds.
- Know exactly how long each plane stay parked.
- Discover the causes for delays.
- Get reliable data for analysis and invoicing.
- Optimise your processes.
- No privacy violation: All analysis can be carried out remotely or on-premise.

Solution Highlights

1. Processing Flow

Image → Result

Receive images from Hikvision camera

Analysis and detect any object on images

Real-time results on plane parking duration

2. Plane Parking Time Detection

28 min

➢ Airport managers know in real-time how long each plane has been parked. Ex: 28min

➢ They can cross check these results with airline companies and propose adequate landing fees and parking charges.

3. Results on operations next to the plane parking

Data stream received
Data from Parquery
Hazardous object detected

Plane steady
Checks on
Checks off
Plane leaves
Bridge connected
Bridge disconnected

Results can be provided with **99%** accuracy.

HIKVISION