Axis helps Nouméa airport move to IP.

Axis cameras improve access to the Nouméa airport parking lot.

Organization:
CCI New Caledonia

Location:
Nouméa, New Caledonia

Industry segment:
Transportation

Application:
License plate recognition, remote monitoring, access control

Axis partners:
TID Solutions, Aimetis

Mission

The principle hub for domestic flights in New Caledonia, Magenta airport, is located a few kilometers from Nouméa. After redevelopment in 2008, the free parking that was normally intended for public transportation was soon swamped with private passenger cars. After that, buses and taxis dropped off their passengers outside the airport zone. This meant they had to walk a few hundred meters.

Solution

The solution to this problem came in several stages. First came a parking lot for airport employees in 2012. Then came a zone reserved for public transit in 2013. In this zone, barriers and cameras were deployed to monitor the vehicles.

Result

Two cameras watch the entrance to the lot. Connected to an intelligent system, they recognize the license plates of vehicles authorized to enter (buses and taxis). If a vehicle is authorized, the barriers open.

"The simplicity of managing without shuttle services or access badges was indisputably a factor in choosing the solution. In addition, the cameras also allow us to perform video surveillance, which is useful if a driver does a hit and run on the barrier," says Olivier Beal, head of the Office of Aeronautic Infrastructures, Department of Civil Aviation.

AXIS COMMUNICATIONS

> **"We only work with products from Axis Communications, because we know their reliability. With more than 100 cameras installed on the grounds, we have never received negative feedback. For this project, we worked in close collaboration with Axis and Aimetis to provide airport authorities with a robust project that meets all their needs."**
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> François Ista, TID Solutions.

Disorganized parking

Magenta airport is several kilometers from Nouméa and handles 350,000 passengers a year. After several refurbishments in 2008, the parking area had 266 spaces and a zone reserved for public transportation. Since it was free, the lot was often congested with private cars parked haphazardly and blocking access for public transport. Then buses and taxis dropped off their passengers outside the airport zone.

"The problem for airport authorities was simple: The zone devoted to professional drivers was congested with parked cars. Unable to drive through, buses dropped off their passengers outside the airport, and they had to walk 300 to 500 meters with their luggage." explains François Ista, TID Solutions.

A complete solution

As a result, other arrangements were considered. First, in 2012, a parking lot reserved for airport personnel was created. Then in 2013, it was decided to isolate the zone reserved for public transit using a video surveillance system. For 2014, paid parking is planned for private individuals in order to prevent the problem of long-term parking.

"The opening system had to be fast, work remotely and be as simple as possible to manage, due to the large number of vehicles accessing the zone (about 260). The solution involving camera license plate recognition appeared to be the one best complying with the criteria. The choice of two cameras reduced the number of unrecognized license plates and allowed backup in case one of the cameras broke down," remarked Olivier Beal, head of the Office of Aeronautic Infrastructures, Department of Civil Aviation.

Two AXIS Q1602 Network Cameras monitor the entrance to the parking lot. They are connected to an intelligent system developed by Aimetis that allows recognition of license plates and reads the images in real time. If a vehicle's license plate shows up in the database as authorized, the barriers open.

However, these changes required some adjustments, such as tests based on the weather and the time of day or night with taxis and buses in association with the Karuïa company. The civil aviation authorities also made announcements in the newspaper and at the airport to let the terminal's users know about the change. Finally, a person was on site eight hours a day to inform drivers that access was forbidden.

"The simplicity of managing without shuttle services or access badges was indisputably a factor in choosing the solution. In addition, the cameras also allow us to perform video surveillance, which is useful if a driver does a hit and run on the barrier," adds Olivier Beal.

"Today the taxis are saving a lot of time: no badge; the barriers open automatically, and it's easier to find a place to drop off passengers. From now on, the Karuïa buses will change their route and start coming back into this zone, where there is a bus shelter for dropping off and picking up passengers. Now people who come to Nouméa finally have public transport that drops them off right in front of Nouméa airport," concludes François Ista.

About Nouméa-Magenta Domestic Airport – www.cci.nc/aeroports/aerodrome-de-magenta
The main hub for domestic links, the Magenta airport is 4 km from downtown Nouméa and handles about 350,000 passengers per year. It serves traffic to domestic destinations in New Caledonia, as well as the Loyalty Islands (Maré, Tiga, Lifou, Ouvéa), the Isle of Pines in the south, the Belep Islands north of Grande Terre and on the two coasts (Koné and Koumac to the west, and Touho to the east).

About TID Solutions – www.tid-vsi.com
TID Solutions specializes in implementing latest generation solutions in control systems and intelligent video surveillance. They custom design and integrate products for various sectors of activity. Relying on their video security experience, TID Solutions has the high-level technological expertise to offer solutions custom made for users' specific needs.

About Aimetis – www.aimetis.com
Based in Waterloo, Ontario, Canada, Aimetis Corp. offers intelligent video management solutions for security surveillance and strategic monitoring. Founded in 2003, the company is a major world force in intelligent video technology, and encourages integration of video analysis tools into overall video management solutions. Aimetis works with distributors and partners in more than 90 countries and offers services to various industries, especially retailing and transport, among others.