

CASE STUDY



ANPR + FR SOLUTION FOR A LARGE HYDROELECTRIC FACILITY IN BRAZIL

End User: A large operating Hydroelectric facility

Location: Brazil

VMS: Milestone

Access Control Partner: Lenel Onguard

One of the largest operating hydroelectric facilities sought a smart solution to manage visitors and employees entering the premises. AllGoVision along with L8 group met their requirements by deploying an Advanced Access Control Solution with ANPR and FR. The solution partnered with Milestone VMS for real-time Video feeds & alarm generation and further integrated with Lenel: S2 Access Control Solution.

CUSTOMER REQUIREMENT

Being one of the largest hydroelectric facilities in Brazil, security and safety of their assets were amongst the major concerns of the government-run organization. To secure the people and assets, the organization wanted to register the details of employees who were coming with their vehicles and prevent unauthorized entries. It was essential to monitor high security zones and to make certain only authorized personnel had access.

CHALLENGES

The solution had to be versatile and smart enough to address multiple top priority security concerns. While the rigor of the procedure had to be maintained, the organization also wanted to make sure that it did not hinder the convenience of authorized people who operated within the premises.

THE SOLUTION

AUTOMATIC ENTRY/ACCESS CONTROL USING ANPR & FR VIA MULTI FACTOR AUTHENTICATION

With Multifactor Authentication, the access-seeker needed to furnish two or more identification credentials to be sanctioned access to a physical location. This would add one or more layers to increase the assurance before validating the access. The bio-metric factor – Facial contours of the employee will be captured and aligned with the license/number plate as per the database. Once the match is ascertained, employee authentication is confirmed and the registered vehicle granted access. If the person is not registered in the database or the vehicle unregistered or in case of both situations, an alert reaches the officials so they can investigate the incident and decide if they want to register the person or vehicle to allow entry or deny the same.

ZONE MONITORING

Monitoring restricted zones, where only certain people/employees or registered vehicles are allowed to be present. The system generated alarms when it identified presence of unauthorized person or vehicle in the camera view.

MILESTONE VMS

- AllGoVision ANPR system & FR system discover cameras from Milestone VMS
 - For every Whitelisted or non-whitelisted Face & Vehicle detected, alarms from AllGoVision ANPR system and FR system are viewed in Milestone Smart Client with video overlays
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LENEL ONGUARD ACCESS CONTROL APPLICATION

HANDLES THE FOLLOWING FUNCTIONALITIES:

- Registration
 - Complete access control information – Zones, Whitelisted list, Connected action, Un-authorized access alarms, Maintain database
 - Badge creation & Reading
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LENEL ONGUARD OPEN ACCESS WEB SERVER

This service provides interfaces for other applications to access the Lenel Systems for the above-mentioned functionalities.

THE EDGE

Empowered by the solution, the Government organization could ensure robust employee/visitor & vehicle authentication at their entrance. Automation integrated with the solution helped in reducing operational challenges as well as aided in better resource management. Additionally, security was heightened with the zone monitoring solution within the premises which restricted unauthorized person and vehicular access.

ABOUT ALLGOVISION

AllGoVision's Video Analytics solutions have been deployed in surveillance applications ever since 2009. Headquartered in Bangalore with branches in the USA, Dubai, Egypt, Korea. AllGoVision is a leading video analytics solution provider with successful installations worldwide. It has dedicated itself into in-depth research and product innovation. AllGoVision video analytics software is equipped with 40 plus basic and advanced Video Analytics features. An open platform integrated with many VMS manufacturers. AllGoVision focuses on providing to its customers – robust performance, cost efficiency, ease of use and customization.