

SIVAO-Cabin is the «Système Intelligent de Vigilance Augmentée par Ordinateur» (Smart Computer-Enhanced Vigilance System) that analyzes the number of passengers in each cabin, using tried-and-tested artificial intelligence technology for processing video images. Valuable operation assistance.



bluecime



- 2 patents
- simple, reliable, robust, tried and tested
- in operation since 2019
- rescue assistance
- very high algorithmic performance for passengers detection and counting

Compatible ✓ new ropeways ✓ existing ropeways

DESCRIPTION

SIVAO-Cabin system is a camera-based operation assistance system for cabins ridership analysis.

It performs real-time video analysis based on artificial intelligence when cabins exit the station.

SIVAO = Smart Computer-Enhanced Vigilance System.

FEATURES & BENEFITS

Passenger counting, safety, rescue assistance

The system counts the number of passengers per cabin and calculates the ridership of the gondola lift throughout the operating period (daily, monthly, annual statistics).

Option of real-time access to pictures transmitted by the high-definition camera.

SIVAO-Cabin gives the real-time distribution of passengers on the line and links each cabin with the picture taken by the camera when it exits the station. This makes it possible to decide which cabins should be given priority in the event of an evacuation.

SIVAO-Cabin can be used to confirm that all the cabins are empty at the end of the operation or that the maximum number of passengers per cabin is respected at the station exit.

Monitoring web interface

SIVAO-Web displays the number of passengers in each cabin in real time, based on the data measured (cabins pictures, passengers counting).

It assists the ropeway operator during operation and evacuation.

SIVAO-Web provides an overview of all data gathered on all the equipped lifts .

SIVAO-Web data can be used in SKADII.

Configurable system for sending notifications about all lifts status via SMS or email.

ENVIRONMENT

► Developed, integrated and assembled by BLUECIME.

Only one camera per boarding area for passengers counting.

Lower environmental impact compared to using one counting camera in each cabin.

► System adaptable to all gondola lifts configurations. Installed locally by POMA or BLUECIME teams.

► Reduced energy consumption through the combination of SIVAO and ECODRIVE solutions allowing the ropeway system speed to be adjusted according to the queue length and the actual carrier occupancy rate.

Maintenance limited to occasional cleaning of the camera.

Remote troubleshooting possible.

