PUEBLA

THE CUSTOMER AND THE CHALLENGE

The state of Puebla, known for its rich historical and cultural heritage, has recently been facing serious challenges in maintaining public safety. With a rapidly growing population and a steady influx of tourists, the region has seen an increase in both traffic congestion and public safety concerns. Local authorities recognized the need for a comprehensive and advanced solution to monitor public spaces effectively, manage traffic, and enhance security measures to protect against potential threats. The challenge was to find a system that could provide real-time analytics, respond swiftly to incidents, and integrate seamlessly with existing infrastructure to improve overall safety and quality of life for residents and visitors alike.

THE SOLUTION

In response to these challenges, IncoreSoft partnered with the state of Puebla to deliver an integrated suite of five advanced VEZHA solutions. These solutions, specifically tailored to meet the demands of a bustling urban environment, enhanced the state's security infrastructure and enabled more efficient management of the city. The VEZHA modules provided Puebla with tools for high-precision facial recognition, object detection, gun detection, license plate recognition, and smart tracking, ensuring that authorities could monitor and respond to a wide range of safety and security issues. By utilizing the power of artificial intelligence and machine learning, VEZHA solutions have laid the foundation for a proactive safety strategy, allowing Puebla to quickly identify potential risks, manage traffic, and prevent criminal activities more effectively.

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VEZHA FACE RECOGNITION

Functionality: This module allows for highly accurate facial recognition, with up to 99.35% accuracy, even in crowded areas. VEZHA Face Recognition quickly identifies individuals from blacklists, enabling local authorities to maintain order during mass events. With the ability to create various lists (white, black, VIP), it offers tailored access and response levels according to the situation.

Results: Puebla was able to increase safety by recognizing suspects in real-time, helping to prevent crimes before they happen.

VEZHA OBJECT DETECTION

Functionality: This intelligent module helps detect various violations, including illegal parking, suspicious left objects, trespassing on restricted areas, and other potential threats. With flexible settings, the system allows the municipality to define specific zones for monitoring and set custom rules for alerts.

Results: Puebla can now respond quickly to violations, significantly enhancing public safety, particularly in crowded areas.

VEZHA GUN DETECTION

Functionality: With high precision, this module identifies firearms within seconds. VEZHA Gun Detection can recognize different types of weapons, such as pistols, knives, and rifles, and immediately sends alerts to relevant services for rapid response.

Results: This module has allowed local police to respond swiftly to incidents, reducing the risk of potential threats to citizens.

VEZHA LPR

Functionality: The LPR system identifies and tracks vehicles by their license plates, even under challenging conditions (dirty, blurred, or damaged plates). It also monitors speeding, traffic violations, and the routes of stolen cars. Additionally, the system provides precise identification of vehicle make, model, and color.

Results: Puebla has enhanced traffic monitoring, detecting violations, and preventing crimes, which significantly improved overall road safety.

VEZHA SMART TRACKING

Functionality: This module enables tracking individuals based on clothing description (color, type) without requiring facial recognition. It is especially effective for finding lost individuals, quick incident response, or monitoring suspicious persons.

Results: Puebla uses this module to quickly locate people in large crowds, which enhances safety at public events and assists in emergencies.

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THE RESULTS

By implementing the VEZHA solutions, the state of Puebla significantly increased the effectiveness of its law enforcement and ensured greater safety on city streets. Facial recognition, object and weapon detection, and vehicle monitoring helped prevent numerous crimes and violations. Additionally, the tracking tools greatly simplified the search for missing people.

IncoreSoft's VEZHA solutions have enabled Puebla to become one of the leading cities using advanced technology to ensure public safety. With modern solutions and high-precision analytics, the state has created a secure environment for residents and visitors, boosting law enforcement efficiency and preventing numerous incidents.

Contact the sales representative today or visit incoresoft.com to download complete specification sheets.

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