

Case Study: Peruvian National Police



USE CASE

- Identity verification

INDUSTRY

- Law enforcement

PRODUCT

- 4 Fingers TouchlessID

CHALLENGES

- Easy to use in the field
- Integrate with the identification mobile app the National Police was already using
- Capture high-quality fingerprint images that could be matched against a government database

OUTCOMES

- Improved the officers' ability to confirm people's identities
- Security checks were conducted quickly and efficiently
- Increased public interest in participating in security checks since new technology was used

OVERVIEW

The Peruvian National Police needed a way to quickly verify the identity of people who were selected for random security screenings at the 2019 Pan American Games, which brought 420,000 spectators, athletes and coaches from 41 countries to Lima. To identify people while in the field, the National Police were using a smartphone mobile app that scanned a person's national ID card. For the Pan American Games, the National Police wanted the smartphones to have the ability to capture fingerprints.

CHALLENGE

The National Police needed a product that quickly captured people's fingerprints, was easy to use in the field and captured high-quality images that could match against the ones stored in Peru's national biometric database.

Ideally, the product would be software-based and integrate with the app the police force was already using. This integration was the only way the project was financially and operationally viable. The National Police wanted to avoid purchasing mobile fingerprint scanners. In addition to the expense, the National Police didn't want to make their officers carry additional hardware.



Case Study: Peruvian National Police

HOW 4 FINGERS TOUCHLESSID WORKS



1
Place your hand behind your phone



2
The rear camera detects your fingers



3
Place them within the guide and hold your hand steady



4
All four fingerprints are captured at once

THE SOLUTION

The National Police used Veridium's 4 Fingers TouchlessID to verify the identity of people selected for random security screenings. This contactless biometric authentication system uses a smartphone's rear camera to capture a person's four fingerprints simultaneously. No additional hardware is required. Veridium's 4F captures prints that are equal to ones captured using traditional flatbed scanners.

Veridium's technology was integrated into the police force's existing app, allowing the police force to turn their mobile devices into fingerprint readers without additional hardware.

THE OUTCOME

Veridium made conducting random security checks efficient and effective. Scanning people's fingerprints was fast and the quality of the images matched against the national database. Interest in Veridium's technology helped make the screenings easier to carry out. Providing officers with people's fingerprints in addition to the information contained in their national identity cards allowed the police to more accurately identify individuals.

"Since this was a new technology, the people who were screened wanted to participate," said a National Police colonel, who couldn't be named for security reasons. "Having all this information in their smartphones made the officers' jobs easier."

Teaching officers how to use Veridium's technology was straightforward. "A video and a short training session were all they needed," he said. After seeing how Veridium improved the officers' ability to confirm people's identities, the National Police decided to continue using Veridium after the Pan American Games ended.

"Veridium is a fast, reliable and economic solution that's easy to integrate and use," the colonel said.

"Veridium is a fast, reliable and economic solution that's easy to integrate and use."

Peruvian National Police colonel