



STORM

Case Study



OVERVIEW

The **Volusia Sheriff's Office (VSO)**, located in DeLand, FL provides a wide range of patrol and criminal investigative services out of district offices in Daytona Beach, DeBary, Deltona, DeLand, Ormond Beach and New Smyrna Beach, with substations in Pierson and Oak Hill and a centrally located Investigative Services Section. VSO was looking for a new ABIS (Automated Biometric Identification System) that would provide greater efficiency for their latent print unit with state-of-the-art fingerprinting searches, analysis, comparison, and documentation. They chose IDEMIA STORM ABIS as their solution, becoming the **first law enforcement agency** in the nation to implement a **cloud-native ABIS that can search county, state, and federal databases from a single application**.

WHY VSO CHOSE IDEMIA

Reputation

- Independent testing from the National Institute of Standards and Technology (NIST) showed that IDEMIA has the most accurate latent print search algorithms.

Features

- It supports local and national searches with tools for analysis, comparison, and case management, so users don't have to log onto different systems.

Design

- Designed by latent print experts for latent print examiners, STORM ABIS users work efficiently to upload, encode, search, and compare latent prints.

IMPACT ON VSO LATENT PRINT UNIT



More ABIS Searches

- Experienced a 44% increase in searches over a 2-month period.
- Each examiner can use the system simultaneously from the office or remotely.
- Examiners are more efficient since they no longer need to transfer files to a shared ABIS workstation.



More Completed Cases

- Cases completed increased by 4.91% percent with one less examiner, over a 2-month period.



BENEFITS EXPERIENCED BY VSO

Efficiency

- Access from anywhere/anytime
- Allows for simultaneous users
- No more waiting for a latent print workstation

Security

- Access control integrated into agency multi-factor authentication system

Ease of Use

- Everything in one system
- Easy to navigate with familiar terminology and an intuitive layout – fast system navigation

Image Calibration

- Variable resolution support
- Scan at 1200 PPI, with no resampling needed
- Calibration tools are included for photographs

Configuration

- Admins can set and adjust quality and score thresholds without relying on the vendor
- Admins have the ability to add/edit case information fields to suit the needs of the agency



"The ease of use stands out for us. We prepare the images for a case, upload it to STORM ABIS, and then run searches for the case. With its capabilities, we've gone from handling 5 cases a week (per examiner) to 8-15 cases per week! We can now also send searches at the local, state, or federal level at the same time within one application."

Lindsay Jones, CLPE, Supervisor of the Latent Print Unit.