

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU), by and between Bob Gualtieri, as Sheriff of Pinellas County, Florida (referred to herein as the "Sheriff") and the City of Venice, (referred to herein as "Partner"), establishes a relationship between Sheriff and Partner under which the Sheriff will grant access to Florida's Facial Recognition Network (FR-Net), hosted by the Pinellas County Sheriff's Office.

WHEREAS The Pinellas County Sheriff's Office maintains the largest collaborative open model Face Recognition System in the United States and exclusively hosts Florida's Facial Recognition Network (FR-Net). FR-Net provides facial biometric search capabilities, subject information, face image comparison tools, training for FR search, and face image analysis methods and best practices via CJNET to authorized Florida law enforcement agencies.

WHEREAS Sheriff will grant access and make information available to the Partner to perform automated facial recognition searches and face image comparisons through the Face Analysis Comparison & Examination System (FACES).

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. **Term**

This Agreement shall be effective on the date upon which it has been signed by both parties ("Effective Date"). This agreement shall continue until terminated by either party pursuant to the procedures described in paragraph 6 of this MOU.

2. **Sheriff's Obligations**

- A. To provide self-paced online training information for selected members of Partner's agency to register as new users to FACES.

- B. Provide the Partner with access to the FACES application after successful completion of the FACES online training materials and demonstrated competency with the FR process.
- C. To develop and provide standard operating policies and procedures, connectivity protocols and user documentation to the Partner to ensure the lawful and proper use of FACES.

3. Obligations of Partner

- A. All Partner personnel must successfully complete the FACES Online training.
- B. Partner agrees the FACES application is for criminal justice purposes only and not for public use or dissemination. Use for any purpose other than criminal justice purposes will result in immediate termination of the MOU and immediate loss of access to FACES.
- C. The Partner agrees FACES results are investigative leads to assist with subject identification and/or verification.
- D. The Partner agrees their personnel accept responsibility for identity adjudication and take law enforcement action based upon their own identity determination.
- E. Partner agrees that it will only allow its employees to register as Users and further agrees that Sheriff is to be notified immediately when Partner personnel have a change in employment status or duty assignment where FACES access is no longer needed.
- F. Partner agrees to participate in project related evaluations to determine the effectiveness of the FACES application.

4. Reporting of Arrests

- A. Partner agrees to notify Sheriff as soon as possible, and in no event not later than 5 business days, after an arrest(s) resulting from the use of FACES.

5. Continuity of Operations

- A. Sheriff and Partner agree that if the facial system is unavailable for any reason, Sheriff's first obligation is to restore services for Sheriff. If Partner's interface is not functioning for any reason, Sheriff will provide best efforts to assist in the restoration of Partner's services, but only after Sheriff's needs are met. Best effort is determined solely by the Sheriff.

6. Termination

- A. This MOU may be terminated by either party without cause, upon no less than thirty (30) calendar days written notice to the contacts listed in Section 8.
- B. If Partner breaches this agreement, this MOU may be terminated immediately by Sheriff, with the termination effective upon receipt of written notice by Partner.

7. Liability and Defense of Legal Actions

- A. Sheriff agrees to indemnify and hold Partner, its employees and agents, harmless to the extent permitted by Florida law from any liability, losses, damages, judgments, liens, expenses and costs sustained or incurred in connection with any claims, suits, actions or proceedings made or brought against any such party as a result of any negligent acts or omissions of Sheriff, its employees or agents, in the performance of its obligations under this MOU.
- B. Partner agrees to indemnify and hold Sheriff, its employees and agents, harmless to the extent permitted by Florida law from any liability, losses, damages, judgments, liens, expenses and costs sustained or incurred in connection with any claims, suits, actions or proceedings made or brought against any such party as a result of any negligent acts or omissions of Partner, its employees or agents, in the performance of its obligations under this MOU.

8. Agency Contacts

Sheriff:

Jacob Ruberto, Technical Support Specialist
Pinellas County Sheriff's Office
10750 Ulmerton Road
Largo, FL 33778
(727) 453-7893
jruberto@pcsonet.com

Partner:

Jack Chappa, Communications Manager
Venice Police Department
1350 Ridgewood Avenue
Venice, FL 34292
(941) 882-7565
jchappa@venicegov.com

9. Approval

PARTNER

ATTEST:

CITY OF VENICE POLICE DEPARTMENT

By: _____
Lori Stelzer, MMC
City Clerk, City of Venice

By: _____
John W. Holic, Mayor
City of Venice

Date: _____

Approved as to form and content:

By: _____

SHERIFF

BY: _____
Bob Gualtieri, Sheriff
Pinellas County

Date: _____



PINELLAS COUNTY SHERIFF'S OFFICE

FACIAL RECOGNITION FOR LAW ENFORCEMENT



Since September 11, 2001, the federal government and a number of states have turned to technology to address increasing identity fraud, which is an integral part of homeland security. Biometric technology designed to identify a person by using his/her distinguishing physical traits has been one of the most promising technological developments to address this identification and identity management.

As this technology has become more powerful and far more accurate, facial recognition has progressed as a tool for federal, state, and local identity databases. In Pinellas County, we have integrated facial recognition into our jail booking system and have partnered with Florida Department of Corrections, major sheriff's offices across the state, and select federal agencies to create a facial recognition database of about 13 million images. The system has allowed us to make thousands of identifications at booking, verify identities at release, and aid criminal investigations.

One of the technology's most successful uses is mobile deployments to patrol cars, allowing deputies on the street to identify a subject who has been stopped and has no means of identification.

However, for all the progress that Pinellas County has made through the enrollment of criminal mugshots, the greatest

- Facial recognition is a proven and powerful tool in the identification and verification processes.
- Mobile Identification allows for roadside identity verification.
- Pinellas County has identified thousands of subjects using fraudulent names via face recognition technology.
- Driver's license image data adds extreme value to facial recognition.

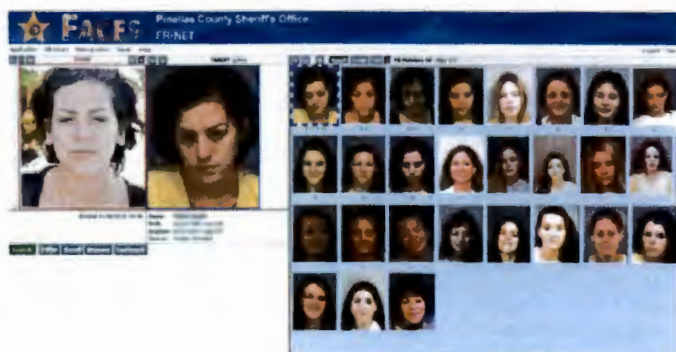
benefit comes from the enrollment of state driver's license images. Law enforcement faces a daunting number of fraud cases in Florida, and these criminals are virtually impossible to detect without this access, which eliminates a critical vulnerability criminals use to create fraudulent identities.

Facial Recognition and Driver's License Data

As the primary form of identification for most Florida and United States residents, state driver's licenses and ID cards must maintain their integrity.

In recent years, Pinellas County has pioneered facial recognition technology to support law enforcement and homeland security investigations. We are greatly encouraged by its success in our county and believe that expanding it to the driver's license database has been beneficial for Florida.

Pinellas County has partnered with local, state, and federal agencies. These partnerships allow for the largest collaborative facial recognition system dedicated to law enforcement in the United States. The success of these partnerships and technology is a testament to the impact that facial recognition will have on crime control for years to come.



Facial recognition search and comparison

How Does Facial Recognition Work?

A facial recognition system is a computer application that automatically identifies or verifies a person from a digital image or a video frame. One method is to compare selected facial features from the image and a facial database.

Face structure contains unique landmarks, peaks, and valleys that make up facial features. Facial recognition defines these landmarks as "nodal points." Each human face has more than 100 nodal points. These points are measured, creating a numerical representation called an algorithm and then searched against other images with matching features. For example, an algorithm may analyze the relative position, size, and/or shape of the eyes, nose, cheekbones, and jaw.



Pinellas County utilizes the most current, state-of-the-art facial recognition system that uses a blended technology approach to yield extremely accurate and fast facial searches and responses.

The Pinellas County Booking System

At the core of the Pinellas County booking system is a face recognition-enabled mugshot application that captures an inmate's image and demographic information, as well as scars, marks, or tattoos. The system combines three main booking components: pre-booking, formal booking, and release processing.

PRE-BOOKING

Pre-booking entails an immediate facial search before the inmate is processed into the jail. Each of Pinellas County's estimated 55,000 inmates booked per year are identified or verified from previous incarcerations within seconds of entering the jail. This allows for immediate identification of fraud, medical, and historical inmate information.

FORMAL BOOKING

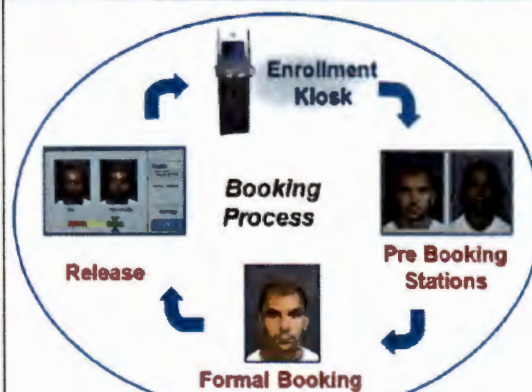
Formal booking includes capturing an additional image and demographic information and documenting scars, marks, and tattoos.

The Pinellas County Sheriff's Office has partnered with the Florida Department of Highway Safety and Motor Vehicles to participate with the FACES System. As of January 2013, the PCSO and partnering agencies can search the entire dataset of Florida driver's licenses.

RELEASE

After a release photo is captured, a one-to-one comparison is verified using facial recognition to ensure the correct inmate is being released from jail. Highly populated jail facilities may see one or two erroneous releases per year based upon identity fraud or coercion. To date, no false releases have occurred since facial recognition verification was deployed.

Facial Recognition Core



The core facial recognition process begins with the booking process.

Match result from a facial search in the jail facility demonstrating numerous incarcerations



Investigative Applications

Investigative applications include Image Query and the Face Analysis Comparison and Examination System (FACES). Both of these provide a common web-based application platform for ease of use and scalability.

IMAGE QUERY

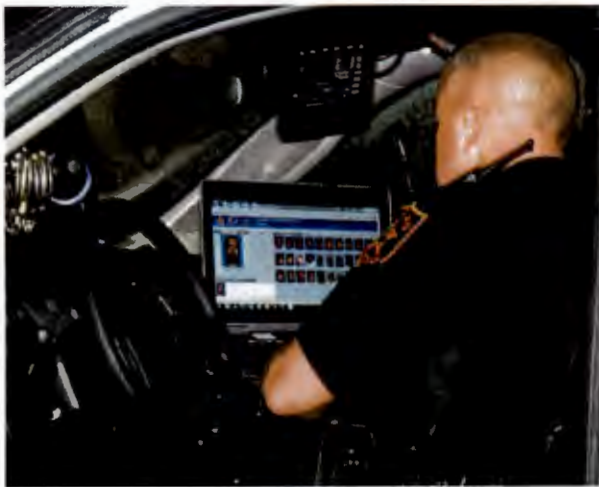
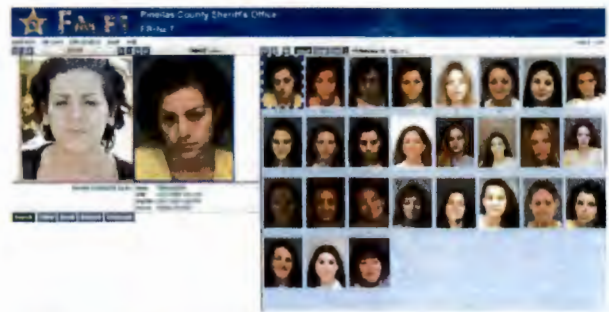
Image Query allows for web-based image and data retrieval of all data in the Pinellas County system. Frontal portraits, profiles, scars, marks, and tattoos may be retrieved statewide within seconds after an inmate has been booked into the system.

THE FACES APPLICATION

FACES allows for web-based facial recognition searches. Users may upload images of interest or unknown subjects to perform immediate facial recognition searches against the Pinellas County data and/or all partnering data in the system, which contains millions of subjects.

CJNET ACCESS

The PCSO provides Florida law enforcement agencies open access to Image Query and authorized-only access to FACES. Links to these programs are on the Florida Criminal Justice Network (CJNET) secure site at no cost to the agency.



Mobile Facial Recognition

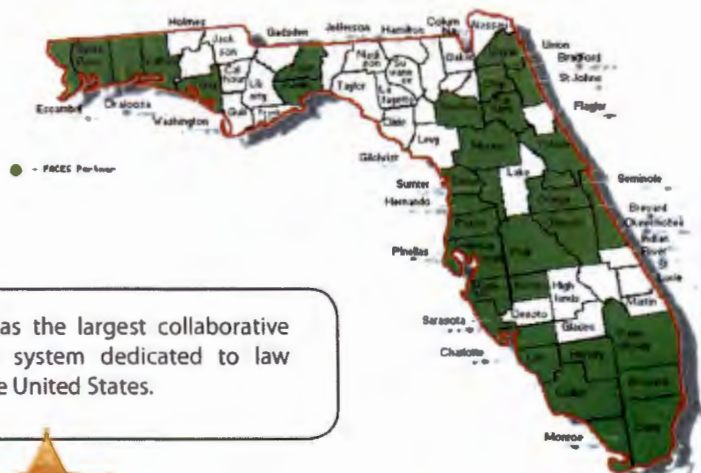
The PCSO launched mobile facial recognition in 2004, which immediately equipped patrol deputies with a powerful identification/verification tool in the field.

Deputies capture an image of a person with a digital camera, transfer it to a laptop, enroll it in FACES, and review a gallery of ranked candidates.

FACES has provided thousands of leads and has resulted in many arrests that otherwise might not have been made.

Facial Recognition Expansion

As envisioned, PCSO has partnered with other Florida law enforcement agencies to maximize the effectiveness of the system. The Florida map to the right shows the counties who currently contribute mugshot data to the FACES image database.



Pinellas County has the largest collaborative facial recognition system dedicated to law enforcement in the United States.

PINELLAS COUNTY SHERIFF'S OFFICE



The Pinellas County Sheriff's Office has implemented a system that uses facial recognition to enhance various aspects of the law enforcement process. By integrating this biometric technology in the jail facility, investigative applications, and mobile identification, Pinellas is leading the way for law enforcement throughout the nation.

To request FACES access for investigative purposes, please send an email to frnet@pcsonet.com.

Contact Information:
Jake Ruberto
Office: 727-453-7893
Email: jruberto@pcsonet.com



Face Analysis Comparison & Examination System

10750 Ulmerton Road, Largo, FL 33778
727-582-6200 • www.pcsoweb.com

"Leading The Way For A Safer Pinellas"

PINELLAS COUNTY SHERIFF'S OFFICE

