

Motorola Biometrics

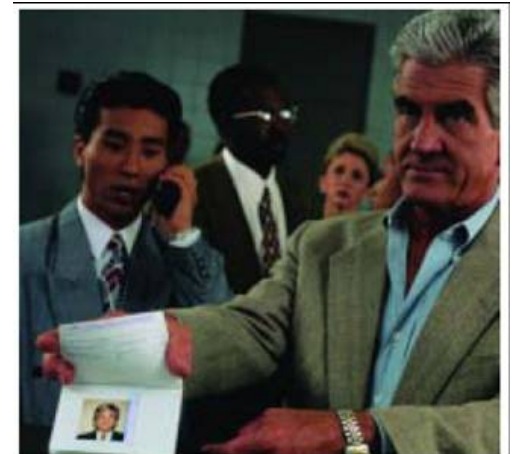


Identity Management: Your Partner for Success

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Vice President and
General Manager Biometrics



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Printrak – 30 Years Biometrics Innovations



1974



1977



1994



1999



2004

1974
Printrak
installs first
automated
fingerprint
card reader
at FBI

1977
Printrak
delivers the first
minutia-based
AFIS to the
Royal Canadian
Mounted Police

1994
Printrak
revolutionizes
AFIS with
Real-Time
Identification

1999
Printrak
pioneers
"Lights-out"
AFIS
capability

2000
Motorola
acquired
Printrak

2004
Motorola
Offers
Biometrics
Fusion
Technology



Motorola Biometrics Business Unit

- **Over 30 Years of Innovation**
 - Pioneering the industry with advanced R&D
 - Customers are part of our development process
- **Loyal Customers**
 - In 37 countries
 - Used by over 300 agencies
 - All customers are reference sites
 - Customers for over 20 years
 - Switzerland Border and Refugee Control
 - Norway National Police
 - Royal Canadian Mounted Police
- **Trusted Provider**
 - Leading developer and integrator of civil and criminal biometric solutions
 - Most sophisticated customer service in biometrics industry



Over 300 Agencies Use Motorola Printrak

Switzerland Border & Refugee Control

California State Welfare

Broward County, FL

Sultanate of Oman

State of Nebraska

State of Louisiana

North Carolina

Colombia

Ecuador

Norway

Belgium

Costa Rica

Tennessee

Netherlands

Guam, U.S.A.

Czech Republic

Montreal, Canada

Swiss National Police

Tri-State (ME, NH, VT)

Kentucky State Police

Orange County, Florida

Guatemala Passport System

El Salvador National Identification



Serbian National Identification & Passport

Belgium National Refugee

State of New Mexico

Palm Beach, Florida

Solano County, CA

Republic of Ireland

State of Arkansas

State of Iowa

Oklahoma

Denmark

Greece

Quebec

Delaware

Puerto Rico

Northern Virginia

State of Arkansas

Forsyth County, SC

Argentina National ID

Cyprus National Police

Santa Clara County, CA

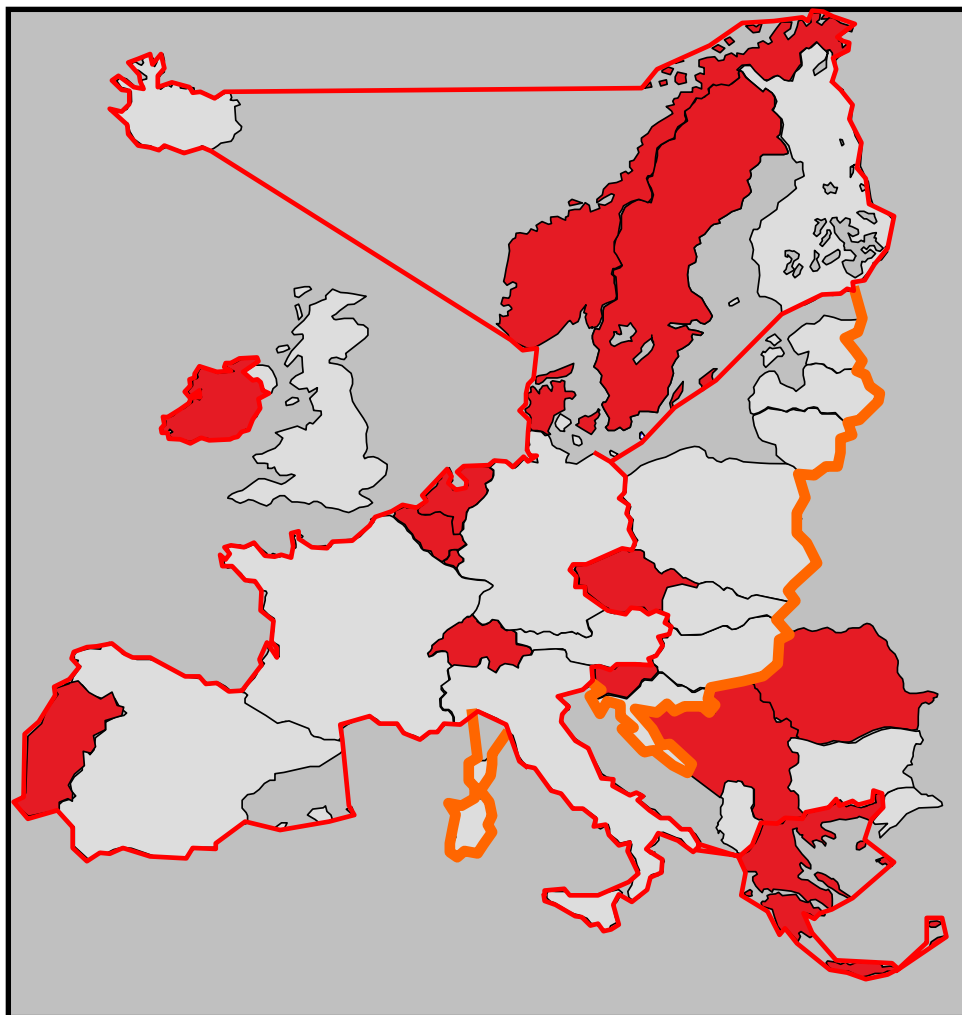
Pinellas County, Florida

Florida Department of Law Enforcement

Canada Immigration and Transportation Security



Motorola's European National Biometric Systems



— Current Schengen Border
— New Schengen Border

Including (13) EU Countries:

Belgium
Czech Republic
Cyprus
Denmark
Greece
Ireland
Luxembourg
Netherlands
Norway
Portugal
Romania (Jan 1, 2007)
Slovenia
Sweden

Other Countries:

Bosnia
Serbia
Switzerland



Motorola Civil Biometrics Experience

Serbia National ID and Passport

**Switzerland Border and
Refugee Control**

Belgium Refugee

Argentina National ID

Guatemala Passport

California Welfare

**Canada Immigration and
Transportation Security**

El Salvador National ID



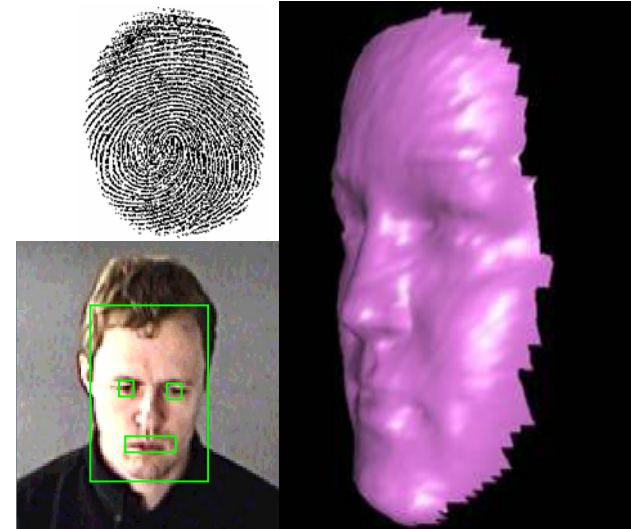


So What's New?

Motorola Biometrics: Identity Management

- **First vendor to fuse Finger, 2D Face, 3D face**

- Industry Leader in Large Civil & Criminal AFIS Systems
- Fingerprint, Palmprints, Facial Images (2D & 3D)
- Enrollment and Verification



- **Key Benefits**

- More accurate matching than finger or face alone
- Less expensive than other systems

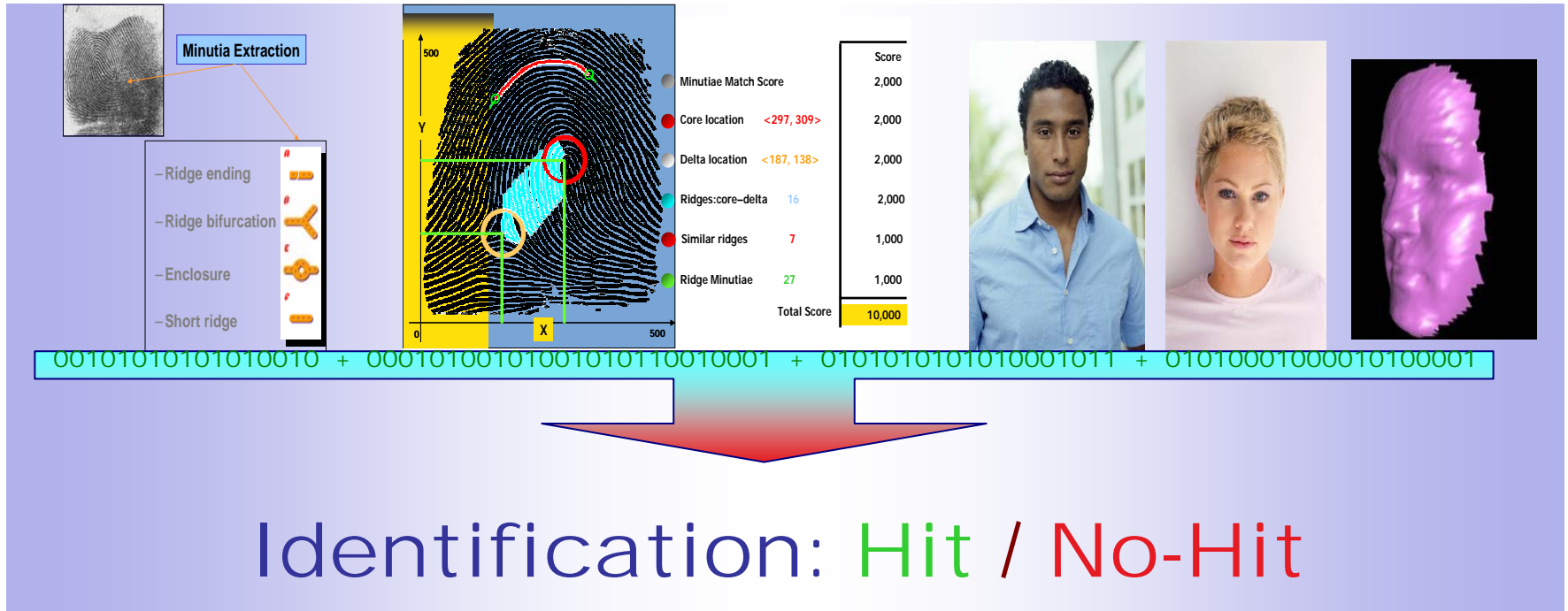


Motorola Biometrics Fusion

Motorola Minutia Matcher

Motorola Expert Fingerprint Matcher

2D& 3D Facial Recognition



Motorola's Portfolio

Visa / Passport , Border Control, Voter Registration, Benefits, & National ID

Motorola

Multi-Biometric Enrollment

Multi-Biometric Search / Storage



Partner (s)

Credential Printing / Personalization / Distribution



Motorola

Multi-Biometric Verification



Civil Biometrics: Issues addressed

Market Challenges

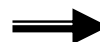
Time to perform enrollment and obtain search results

High quality ICAO facial and finger enrollment solution

Minimal FAR and FRR during verification and renewal

Low cost, high quality enrollment solution

Fast, efficient, border control



Motorola Solution

Intuitive interfaces & High Speed Matcher – current technology

Integrate Motorola with leading 3rd party partners

Fusion of finger, 2D face, and 3D face technologies – **New fused technology**

Use of A4 Vision's 3D facial instead of Iris to boost quality, at much lower cost

Mobile AFIS – current technology



Thank you

