The ultimate set of keys

The ultimate fingerprint readers

SAGEM

Cost-effective protection throughout your organization

How to protect your bottom line

ACSIS®: cutting risk, cutting cost

Accuracy

- World-leading algorithms designed to manage even the most damaged fingerprints accurately and consistently in the harshest environments.

- Eliminates the cost and administration associated with backup or bypass systems (PINs, cards, passwords etc).

Capacity

- Fully scalable solutions to address a variety of applications in organizations of any size.

- Investment is protected as the solution is able to grow and adapt to an organization's changing needs.

Security

- Ultra-secure matching thresholds ensure stringent enforcement of security policies.

- Eradicates the threats and expense of security breaches such as buddy clocking and password theft.

Integration

- A single solution for integration into a diverse range of business processes dependent on identification of individuals e.g. payroll, T&A, health and safety, IT, security, and HR applications.

- Does away with the cost and effort involved in running multiple systems, interfaces and databases.

Speed

- Industry-leading matching speeds ensure maximum throughput and convenience.

- Reduces the number of required readers and eliminates delays and lost productivity resulting from queue times.

Amano + MorphoTrak = bottom line protection

2 billion fingerprints in over 70 countries

Successfully supporting U.S. Government FIPS 201 Standards: TWIC, PIV, and CAC Endpoint Cards

Accurate identification and authentication in:

Factories • Warehouses • Offices • Mines • Stadia

• Leisure Parks • Residential Estates • Business Parks • Retailers

• Health Clubs • Golf Estates • Schools • Universities • Colleges

• Construction • Government • Ports • Airports

everyone ✓ **everytime** ✓ **everywhere** ✓

Enterprise Solutions • Physical Access • Logical Access

• Time & Attendance • Payroll • Building Management

• Visitor management • Health & Safety • Workforce Access

• Activity Management • Home & Office Automation

• Industrial Automation • Higher Security

Amano + MorphoTrak = access controlled

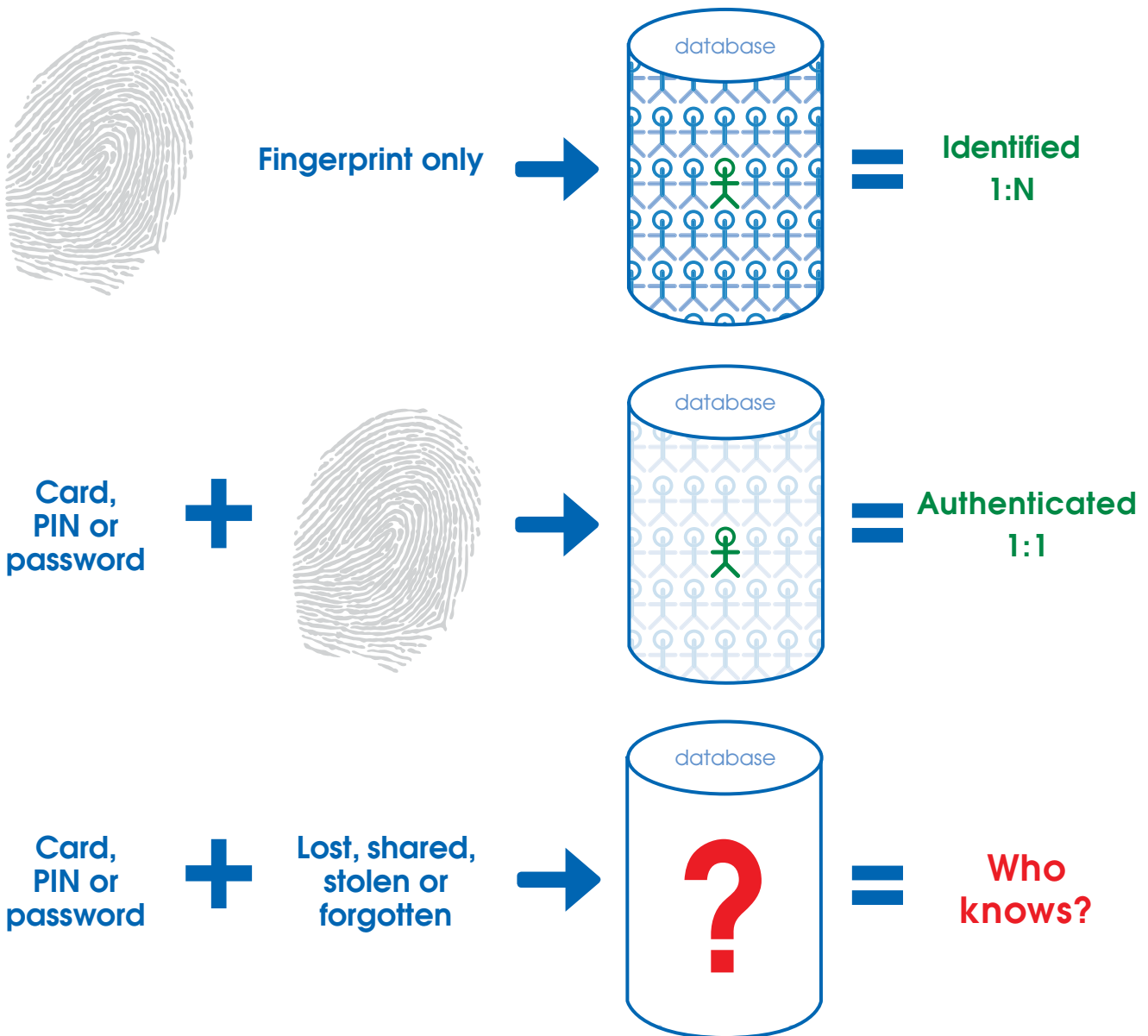# MorphoTrak = genuine identification, genuine authentication

Absolute certainty of people's identities

Identification and authentication by Morpho technology, compared to cards, PINs and passwords

A Morpho-based solution can work in one of two ways: identification or authentication.

Identification compares a person's fingerprint to all records in the database, returning an exact match and positively identifying them. This process is called one-to-many or 1:N.

Authentication matches a person's fingerprint data with additional information in their possession – for example a password, PIN or card. This process is called one-to-one or 1:1.

Fingerprint only → database **=** **Identified 1:N**

Card, PIN or password **+** fingerprint → database **=** **Authenticated 1:1**

Card, PIN or password **+** **Lost, shared, stolen or forgotten** → database **?** **=** **Who knows?**

MorphoTrak Algorithms = more True Minutia Points

Minimal rates of false acceptances and rejections routinely caused by lesser biometrics

Graphic of true minutia points showing where fingerprint ridges split or end

Referred to as a template, the unique pattern formed by true minutia points distinguishes one fingerprint from all others.

Morpho fingerprint scanners are approximately 50% larger than most competing scanners and thus capture more true minutia points, creating highly accurate templates

Other technologies also register false minutia points caused by injury or dirt. This reduces template accuracy even further, causing dangerously high levels of false acceptances and false rejections. In contrast, Morpho's algorithms recognize false minutia and exclude them from the fingerprint template.

Morpho's superior scanners and algorithms deliver faster and more accurate identification than any other fingerprint technology. The company's world leadership in biometrics is based on experience dating back to 1979 and partnerships with international law enforcement and government agencies.

unrivaled accuracy

MorphoTrak = unmatched experience, unmatched performance

MorphoTrak was formed in April 2009, the result of a merger between Sagem Morpho and Printrak.

MorphoTrak a worldwide leader in biometrics and ID management, has delivered trusted biometric solutions throughout the United States for over 3 decades. Applying its extensive experience in biometric identification, MorphoTrak delivers reliable biometric solutions to North American markets, including federal, state and local governments, homeland security, driver's licenses, civil identification, and applicant background checks, as well as consumer and commercial products. MorphoTrak is subsidiary of Sagem Défense Sécurité of the SAFRAN Group, a global organization with 55,000 employees, including 7000 in North America.

MorphoTrak supplies more than 50% of the United States state criminal and civil biometric systems, and over 60% of the world's biometric systems - 130 systems in 60+ countries. The company offers a wide range of biometric solutions from highly secure physical and logical access control to large-scale multi-modal AFIS. These solutions feature highly-accurate, interoperable algorithms; easily integrated FIPS 201 approved PIV card readers, DESFire card data encryption, fake finger detection and match-on-card or match-on-device technologies.

Sagem Morpho was a Top Performer in NIST MINEX Tests (2004-2008) with its fingerprint template matcher more than twice as accurate as the other submissions; and its fingerprint template generator and matcher ranked 1st in accuracy and interoperability. Reference: www.NIST.GOV
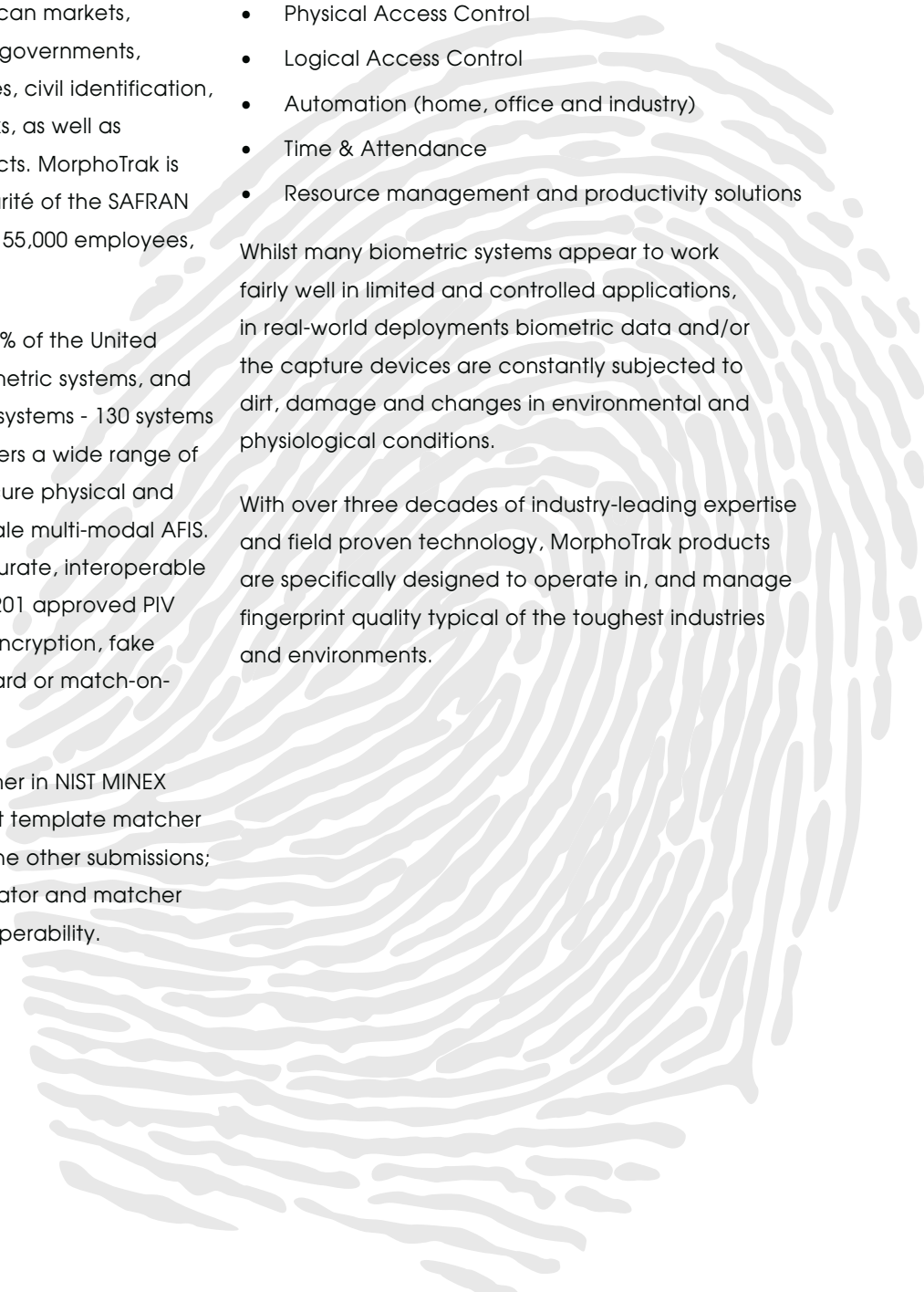
MorphoTrak Certified Partner Channel

MorphoTrak offers a comprehensive range of biometric hardware, software and development tools enabling Certified Partners to fully integrate our biometric technology into world leading solutions for:

- Physical Access Control
- Logical Access Control
- Automation (home, office and industry)
- Time & Attendance
- Resource management and productivity solutions

Whilst many biometric systems appear to work fairly well in limited and controlled applications, in real-world deployments biometric data and/or the capture devices are constantly subjected to dirt, damage and changes in environmental and physiological conditions.

With over three decades of industry-leading expertise and field proven technology, MorphoTrak products are specifically designed to operate in, and manage fingerprint quality typical of the toughest industries and environments.

Amano + MorphoTrak = unbeatable ROI from fingerprint biometrics

Amano Cincinnati, Inc. designs, manufactures and distributes the integrated access control solutions as well as an array of time recorders, from simple time clocks to sophisticated employee time tracking systems to commercial and government markets.

Amano Time Management Solutions is a division of Amano Cincinnati, Inc., a world-class manufacturer with more than 100 years of experience in time clocks and time and attendance systems. They provides efficient and reliable customer, technical and e-commerce support. Our dedicated experts are available to assist you in making the optimal choice for your business.

Amano Security Systems is also a division of Amano Cincinnati, Inc., provides integrated access control solutions throughout the United States, Canada and South America. Our number one priority is protecting people, property and assets through technologically advanced products, which are backed by a team of professional personnel and the best technical support in the industry.

Both divisions are committed to quality and long-term business relationships with its customers and partners. With a significant network of certified dealers and sites across a variety of vertical markets, the company is well positioned as a leader in the industry and a force for the future.

Amano is proud to offer fully integrated Sagem Biometric technology from MorphoTrak as a key component in our access and time management solutions.

Amano Access Control and T&A Solutions

The Nexus 220 is a scalable access control system for small to medium organizations, comprised of hybrid web service and client based software with a complete range of system hardware. This fully redundant IP system combines ease of installation and configuration with the capability of controlling up to 128 doors. The system also includes building management functions with intrusion panel control.

Amano Net is a multi-site access control solution, with scalability ranging from a single door to a global enterprise. This powerfully designed system meets today's most demanding security and facility management requirements through a dynamic graphical interface, powerful integration with DVR/CCTV, Fire, Intrusion, and Parking systems.

Nexus and AmanoNet fully integrate with our time management system in the form of Time Guardian Plus. This system automates the collection, calculation, and preparation of employee time data for processing payroll. Using a shared database, the integrated software facilitates data exchange between the Time & Attendance and Access Control applications, reducing the administrative expense of managing individual systems.

Amano Touch is a fully integrated Sagem enrollment module, allowing for centralized biometric template management for both access and time & attendance. Seamlessly integrating to both Nexus and AmanoNet, the module simplifies enrollment and ensures automatic updates to time & attendance and access control field devices.

MorphoTrak = fingerprint readers for every application

MA 500

For access and T&A

Up to 50 000 users

Identification in 1.8 seconds or less

(Available Mifare option)

OMA 520

For access and T&A

IP65 rated

Up to 50 000 users

Identification in 1.8 seconds or less
(Available Mifare option)

MA 100

For access and T&A

Up to 500 users

Identification in 0.7 seconds or less

(Available Mifare and iClass options)

MA 120W

For access and T&A

Up to 500 users

Identification in 0.7 seconds or less

Includes contactless Mifare reader

MSO 300/1300

For logical access: applications

High-volume enrolments

ID management

Nexus 220

Scalable access control system

Fully redundant IP system

Controls up to 128 doors

Building management functions

AmanoNet

For multi-site access control

Single door to global enterprise

Dynamic graphical interface

Integration with DVR/CCTV, fire, intrusion, and parking systems

AmanoTouch

Fully integrated enrollment module

Centralized biometric template management for and time & attendance

Integration to Nexus and AmanoNet

Automatic updates to field devices

everyone ☑ **everytime** ☑ **everywhere** ☑

ACSIS®

Accuracy
Improve rules & records

Capacity
Complete identity management

Security
Minimize risk and liability

Integration
Integrated work force management

Speed
Improved productivity and efficiency

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