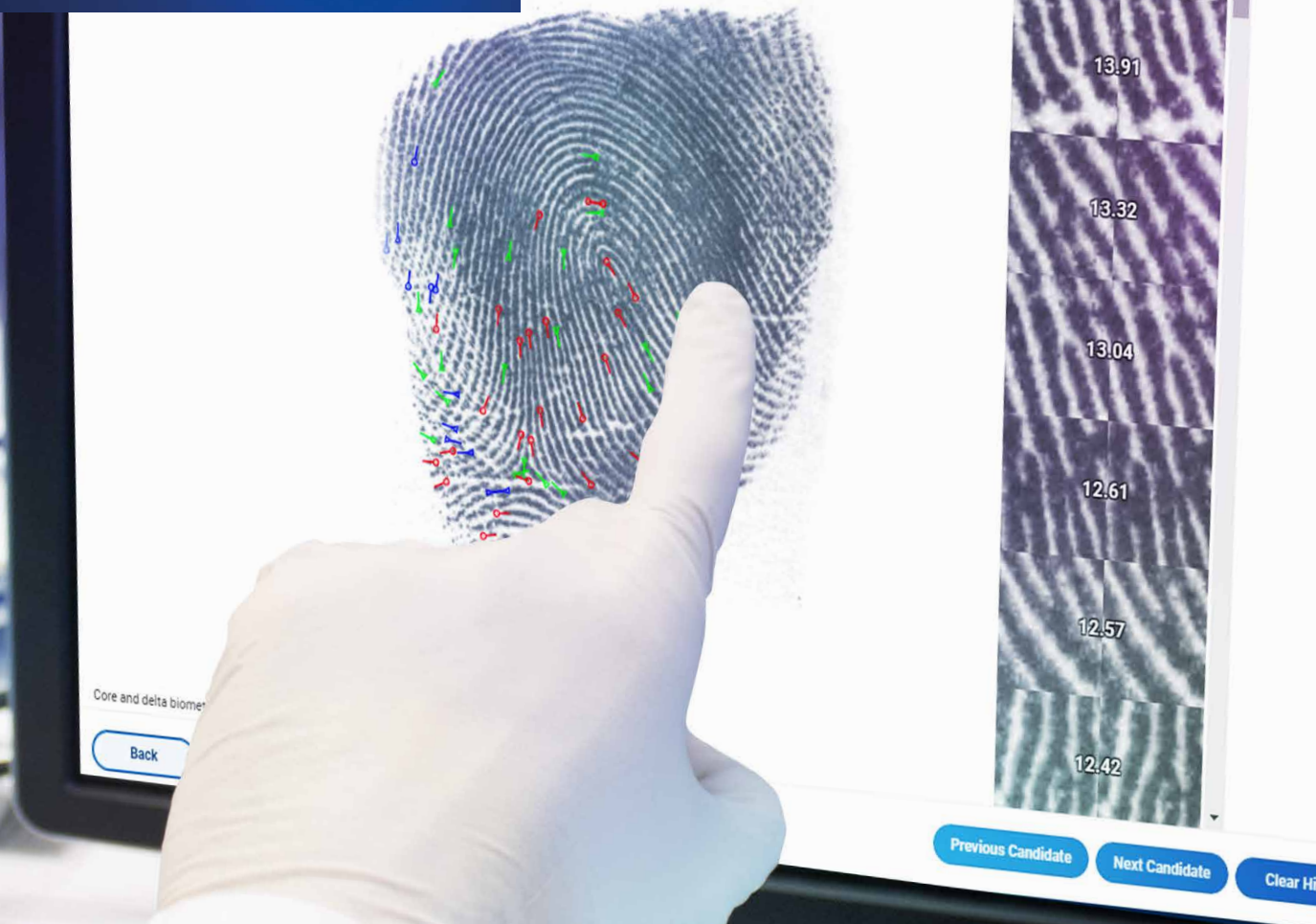


DERMALOG

DERMALOG Criminal ABIS

Maximum performance
with multibiometrics



Fields of Application

- > Federal police and regional police forces
- > Prisons
- > Intelligence services
- > Special security forces

Effective Crime Solving: The DERMALOG Criminal ABIS

The DERMALOG Criminal ABIS provides comprehensive support for crime investigation. The use of biometrics to prevent identity theft and to uncover fraud enhances security and improves safety. The ABIS is successfully applied by police departments, federal police offices and intelligence services around the world as well as by military and judicial authorities.

The use of fingerprint identification (dactyloscopy) and the corresponding biometric application (ABIS) is authorized by legal systems in many countries. The Criminal can be applied to convict criminals based on identified finger- or palmprints found at a crime scene.

DERMALOG actively participates in numerous advisory committees counseling police organizations worldwide. The results constantly contribute to the ongoing advancement of the DERMALOG ABIS.

As a consequence, the DERMALOG ABIS is the perfect choice for a wide range of applications. It is based on more than two decades of experience in providing solutions to law enforcement.

Product Features



- > State-of-the-art card scan applications for the conversion of fingerprint slaps/cards as well as palmprints from paper
- > Live scan application for capturing finger- and palmprints, face and iris patterns, photos and signatures
- > Automatic image processing for quality control of the captured prints
- > Forensic workstation for editing and visually enhancing latent finger- and palmprints
- > Verification application for managing biometric and demographic data with easy to handle candidate lists
- > Crime history/case management reporting and statistics
- > Print applications (e.g. certificate of good conduct)

Outstanding Features



The ABIS (operating with fingerprint, face, iris and palm recognition) is in worldwide use for civilian identification and law enforcement. Results are obtained with accuracy at high speed.



Uncompromised fast matching and searching results with low false acceptance rates (FAR) and false rejection rates (FRR).



No proprietary hardware is required as standard commercial off-the-shelf (COTS) hardware is used. DERMALOG's ABIS runs on all hardware platforms and common operating systems.



All variations of tenprint (TP), palmprint (PP) and latent prints (LP): TP-TP, TP-UL or PP-ULP, LT-TP, LT-UL, LP-ULP, or LP-PP. Any combination (e.g. two fingers, four fingers) is supported.



Customizable workflow and GUI.
Coding and matching of shape, global and local similarity checks, heuristics.



High usability, easy to integrate, unique security, available in multiple languages.



Optional integration of DNA databases.

Our international DERMALOG ABIS/AFIS Projects



Federative Republic of Brazil
High Speed and Criminal ABIS

Saudi Arabia
High Speed and Criminal AFIS

Kingdom of Brunei
High Speed AFIS

United States of Mexico
High Speed ABIS

Malaysia
High Speed AFIS

Republic of Maldives
High Speed ABIS

Republic of Indonesia
High Speed and Criminal AFIS

Republic of Slovakia
High Speed and Criminal AFIS

People's Republic of Bangladesh
High Speed and Criminal AFIS

Republic of Cape Verde
Criminal AFIS

Federal Republic of Nigeria
High Speed ABIS

Republic of Angola
Criminal AFIS

Republic of Sudan
High Speed and Criminal AFIS

Kingdom of Cambodia
High Speed AFIS

Republic of Iraq
High Speed ABIS

Republic of Ghana
High Speed AFIS

United Republic of Tanzania
High Speed AFIS

Netherlands
High Speed AFIS

Bolivarian Republic of Venezuela
High Speed AFIS

Republic of El Salvador
High Speed AFIS

Republic of the Union of Myanmar
High Speed ABIS

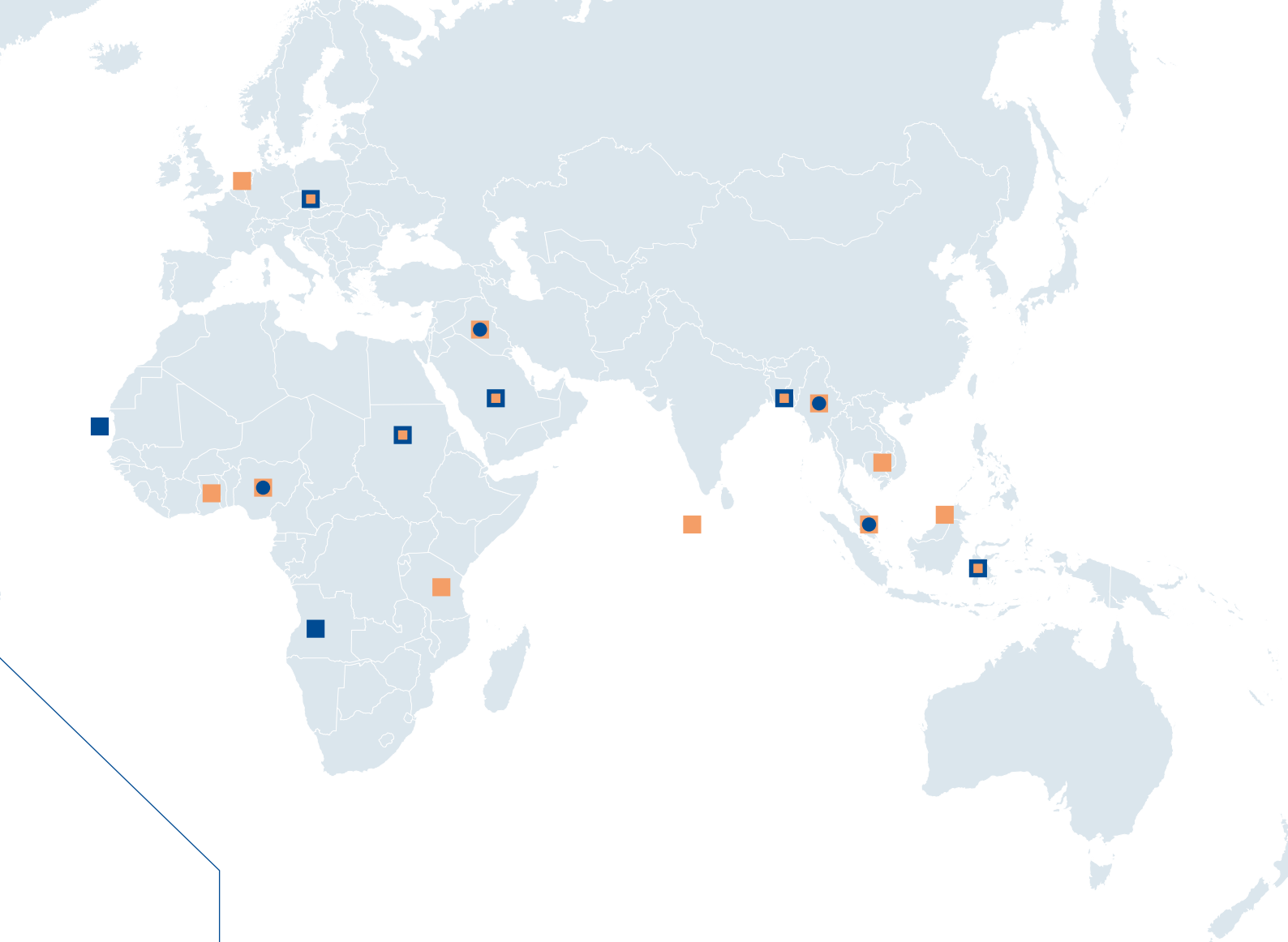
 High Speed ABIS

 High Speed AFIS

 Criminal AFIS

 High Speed and Criminal AFIS

 High Speed and Criminal ABIS



ABIS as eGovernment Solution in Brazil

In Brazil, DERMALOG has installed Latin America's largest civil and criminal ABIS. The successful system prevents false or double identities, e.g. regarding access to pension funds, social welfare and further social benefits. Biometric characteristics on national ID cards securely identify the holder.



- > Database size – 9.8 million rolled tenprints
- > Tenprint searches – less than 2 seconds
- > Latent searches – 14 minutes average
- > 30% hit rate on latents
- > Solves 30% of all crime cases with latent prints
- > Prevents more than 15,000 cases of identity fraud
- > Live scanners in police cars (planned)

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