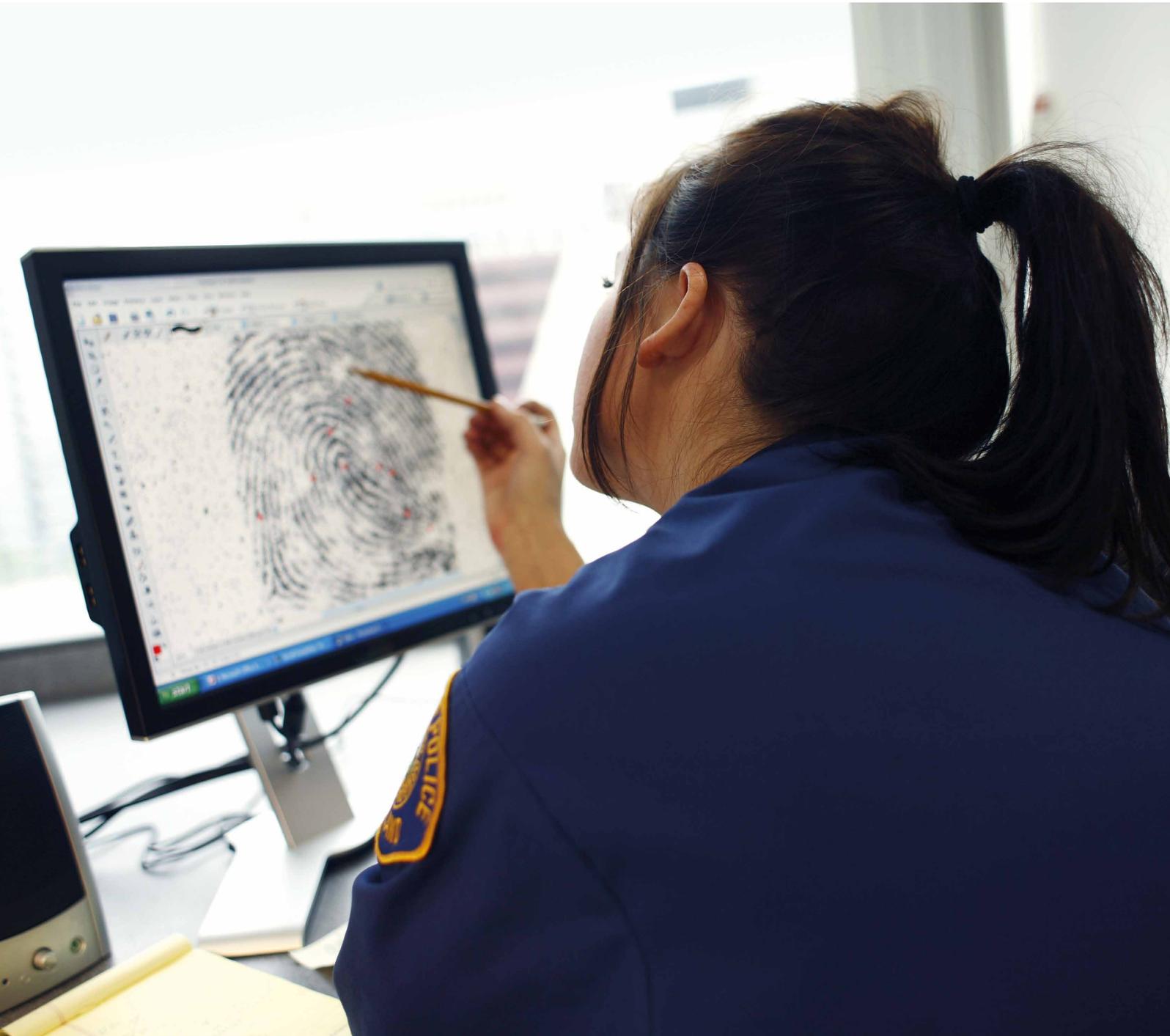


ELISE ADVANCED SEARCH FOR POLICE

INFORMATION AT YOUR FINGERTIPS



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WCC is a global leader in search and match technology. Its software platform ELISE provides real-time assistance to police forces searching criminal case management systems using any combination of data: unstructured documents, structured databases and biometrics repositories.

Police officers working on the frontline of crime and incident investigation must search multiple systems for storing data to find information relevant to their cases. Searching these vast data repositories is complex, time-consuming, and frustrating. Worst of all, it often fails to yield all available information.

Police search queries are typically done sequentially across several data repositories to try and make sure nothing is missed. But because these searches look for exact matches to the search terms the officer enters, the result will be hit or miss every single time: either the exact term is found or it is not. This type of search carries a substantial risk: that information directly relevant to the search is missed simply due to spelling, typographical, and other errors.

Most police systems are not capable of revealing 'non-exact' matches, in which information that closely resembles the search terms is still found and ranked according to relevance. As a consequence, frontline officers spend excessive amounts of time at the police station bogged down in inefficient searches, when instead they could be out following investigative leads. And when officers do obtain search results, they cannot trust that they possess all the relevant information that's in the system.

Police Executives

A major concern of police executives is that current-generation Police Information Technology is failing to achieve results in line with police investments in ICT. The police needs smart IT solutions that reduce the amount of time officers spend on administrative tasks, and free up more time for proactive policing and investigating promising leads.

Objectives

The main challenges for next-generation police systems are:

- › to significantly reduce the hours police officers spend searching across various systems and repositories;

- › to improve the speed, quality, and accuracy of search results;
- › to reduce the risks to investigations caused by failure to find relevant information.

ELISE Advanced Search and Match for Police Systems

WCC's ELISE software platform offers a solution that addresses these challenges, resolves the frustrations of frontline officers, and alleviates the efficiency concerns of police executives.

ELISE can search through multiple data repositories across structured and unstructured data, including images, faces, distinguishing marks, and biometric data. ELISE provides 'non-exact' and 'score-ranked' matches to ensure that nothing is missed. These impressive and comprehensive search results can be delivered in less than a second.



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Typical uses

ELISE can provide advanced search capabilities to support various police operations, such as:

- Patrolling – queries to a central system (license plate numbers, person IDs, etc.)
- Crime Report Creation
- Pre-investigation support
- Technical Investigation Support
 - Crime scene samples
 - Mug-shot register
 - Footprints
 - Automated Fingerprint Identification System (AFIS)
- Analysis – serializing crimes
- Intelligence

With WCC's ELISE, you can:

Match findings from a crime scene to previously recorded data in the central police information system:

- Information uploaded into ELISE is immediately available for matching.
- Investigators working in parallel, even in different locations, can search and match on updated information in real-time.

Perform instant look-ups on information provided by eyewitnesses:

- Search on names, parts of names, nicknames, and so on.
- Search on descriptions of physical features such as height, weight, body structure, and so on.
- Search on descriptions of distinctive marks such as scars, tattoos, and so on.
- Search on descriptions of people, events, and objects, accounting for errors and inconsistencies.

Find matching *modi operandi* to establish links between crimes and offenders:

- Discover when and where crimes with identical or similar methods have been committed.
- Establish patterns of criminal behavior from the search results.



Search through several police registers simultaneously:

- Search the vehicle register based on a vehicle description, full or partial license plate information, or a combination of both.
- Search the precautions/warnings register for advice on which safety measures to take when approaching a person, location, or object. For example, when a suspect has previously been violent when approached, or when a person associated with a case is known to carry a weapon.

ELISE finds the nearest matches

- **in ranked order:** best match first
- **transparent:** explained results and match scores
- **fast:** even from massive data repositories
- **reliable:** resilient to hardware and operator errors

To learn more about how WCC has successfully delivered solutions for complex search and match systems, a brochure with deployment examples and a datasheet with the technical specifications of ELISE are also available.

About WCC

WCC Smart Search & Match is the world's leading supplier of search and match software solutions and services. Founded in 1996, WCC focuses on two specific solution areas: Identity matching and Employment matching. Its ELISE software platform excels in these areas because it searches and matches data in a unique way that yields more meaningful results than any other software. ELISE is designed to search through vast amounts of data from various sources and return relevant results in under a second. It will search and match data in almost any form, using advanced algorithms, contextual knowledge, and other proprietary expertise. The data can be exact or inexact, structured or unstructured, private or public, and combine multiple modalities, both biographic and biometric.

WCC's long-term experience in developing and supporting employment and identity matching solutions makes it an expert in these fields. WCC understands the business of its customers and knows how to optimize the effectiveness of searching and matching.

WCC's primary customers are government organizations and large enterprises worldwide. In Identity matching, WCC supplies solutions for border management, justice & public safety, and civil identity. In Employment matching, WCC supplies solutions to public employment services, staffing companies and large enterprises for their corporate HR.

WCC is headquartered in Utrecht, the Netherlands, and also has offices in the USA.

WCC Smart Search & Match

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