

HORUS

Law Enforcement and Public Safety




**Software
that matters**

Challenge

High-quality search results from all relevant sources on any device in fractions of a second.

During their investigations, law enforcement officers spend many precious hours on inefficient search processes. The information they need to identify suspects and solve cases is often scattered across a complex landscape of many disparate law enforcement systems and databases.



Issues with disparate law enforcement systems:

Each system represents an isolated silo. Officers frequently have to query each separately. This process is inefficient and time-consuming.

Systems fail to link similar identities across databases. This failure can cause officers miss crucial connections.

They contain personal and sensitive data. For this reason, access is restricted based on user privileges and data privacy regulations.

Each system may be from a different vendor. It may also include legacy systems that don't comply with modern standards or protocols. Therefore, they can't exchange information seamlessly.

They inevitably contain diverse types of data. E.g. biometrics, biographical information, and metadata, all using a range of standards, making it problematic to compare identities.


The systems are unable to effectively search and link together the enormous amounts of metadata derived from surveillance systems. The sheer quantity of data can consequently be overwhelming.

Solution

Making law enforcement systems interoperable.

HORUS - WCC's interoperability solution for law enforcement. It uniquely provides a Single Search Interface for searching and linking information from all law enforcement applications and databases.

Using HORUS, law enforcement officers can search faster, more efficiently, and with better results.



Most law enforcement systems are:

Implemented in silos and often fail to link similar identities.

HORUS can search all the available data sources simultaneously using a Single Search Interface linking any records found that may belong to the same identity.

Bound by access rules and data privacy regulations.

HORUS returns only those results the user has permission to see. It can return Hit/No Hit flags instead of the full record, and does not store data itself. HORUS respects both data ownership and security.

Developed by different vendors (both databases and biometrics).

HORUS is completely vendor-agnostic. And it uses the POLE data model to structure the results. Searching and matching across disparate systems is therefore both efficient and straightforward.



They contain:

Many different and diverse types of data.

HORUS is data-agnostic, and multi-modal. HORUS can search and match across biometrics, biographical information, and metadata.

Massive amounts of hard-to-use metadata.

HORUS uses advanced fuzzy matching techniques to derive actionable results from metadata, whatever the quantity.

HORUS - Superior matching capabilities

Fuzzy Matching

A technology to produce accurate matches, even from incomplete, poor quality, or disparate data. It enables matching numbers within specific ranges, and finding affinity matches for similar names, words, or concepts. It can also obtain results from data containing errors, or inconsistencies. Such as variable spelling.

Interoperability

The capacity of systems to exchange and also make use of information seamlessly. Most legacy law enforcement systems are not inherently interoperable.

POLE

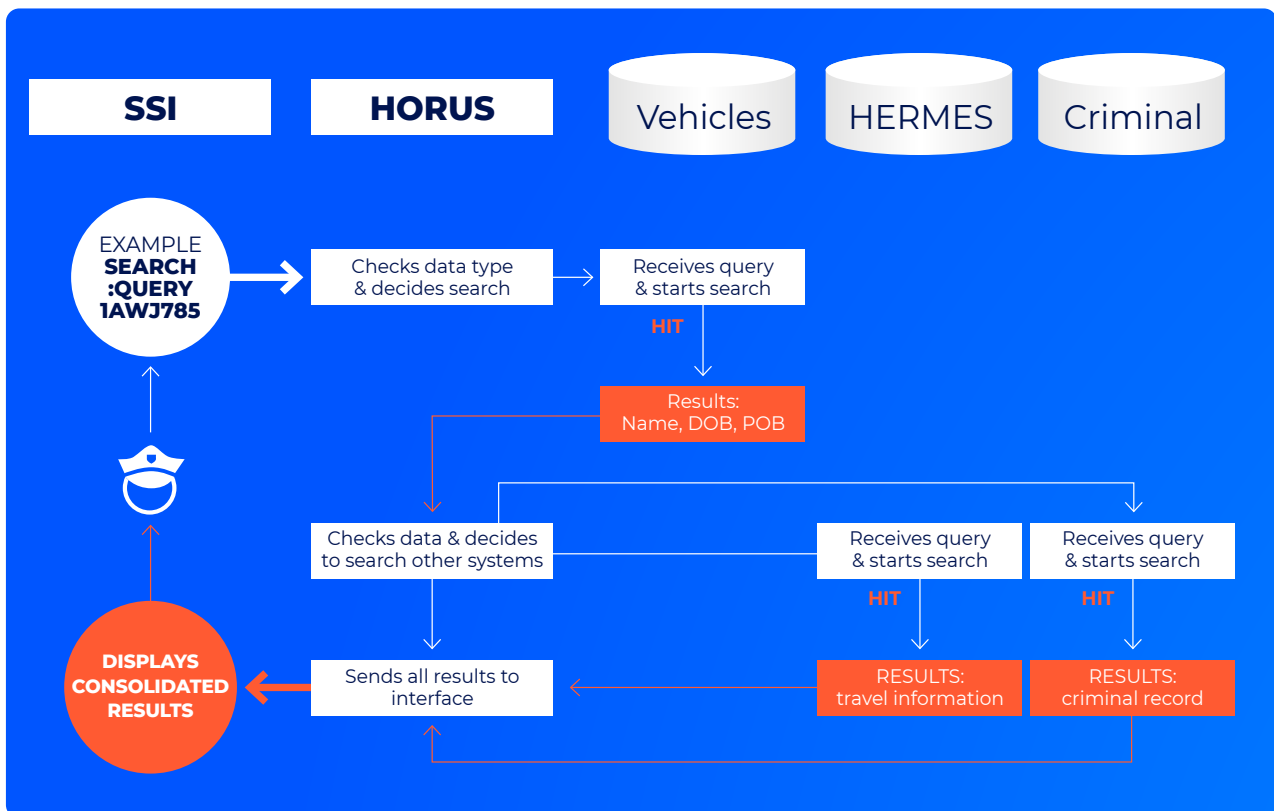
People, or Persons, Objects, Locations, Events. A data model and format to categorize and structure law enforcement data. This enables officers to find information more quickly and successfully.

SSI

Single Search Interface. A single entry point through which different applications, databases, and systems can be accessed simultaneously.

Data quality is not always optimal, and discrepancies can have serious consequences. Multi-cultural name matching is another significant security pitfall, and similar issues arise with international variants of place names.

HORUS and WCC ELISE ID Platform catch and match such variants with ease.



About WCC

A leading advanced solutions provider for Public & Private Employment Services and ID/Security government agencies. Built on its unique search & match platform, WCC software solutions see 1/3 billion people every day, enabling organizations to seamlessly capture, generate, and analyze big data from multiple sources gaining valuable insights paramount to effective decision-making.

Our team of professional services experts provides exceptional support and consulting, allowing our customers to maximize their investment.

For more information, visit www.wcc-group.com.



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