

EVIDENTIAL INTELLIGENCE PLATFORM

CaseTrace

The evidential intelligence platform for **government investigation, oversight and prosecution**. CaseTrace turns fragmented departmental records into a single, provenance-first investigative record — every person, organisation, location and event linked, sourced, and court-ready.

**Provenance-first**

Every assertion traceable to the source document behind it.

Fully audited

An append-only record that never overwrites history.

Sovereign AI

On-premise natural-language intelligence. No data leaves the department.

Court-ready

Citable, stamped dossiers that stay defensible under scrutiny.

One defensible record of who did what, where, and on whose authority

Every investigative and oversight mandate in government produces the same raw material: statements, dockets, registers, correspondence, and reports — scattered across registries, shared drives and legacy systems. CaseTrace consolidates that material into a structured, cross-referenced evidential record that researchers, investigators and legal teams can explore, interrogate and extend, with an on-premise AI engine that answers natural-language questions and reads new documents into the record under human control.

THE DATA MODEL

Built on POLE — the model investigators already think in

CaseTrace is built on the POLE data model (Person, Object, Location, Event) used by INTERPOL and policing agencies worldwide to structure investigative data. POLE treats an event — an irregular payment, an incident, an inspection failure, a disappearance of assets — as the key node that links people, places, objects and time together. That is exactly how an investigator thinks, and exactly how a prosecutor builds a case.



We extended the classic four with two first-class entities that government casework demands:

Organisation

Because "who" is often a unit, a department, a company or a syndicate — and chains of accountability and command cannot be drawn through individuals alone.

Source

The evidential document behind every act, made structural rather than incidental — so provenance is never an afterthought, and every finding can be defended.

Configurable to your mandate. The same model carries procurement irregularities, disciplinary matters, enforcement inspections, complaints, and commissions of inquiry. Entity types, evidential statuses and workflows are configured to the department's environment — not the other way around.

Sound investigation and defensible prosecution rest on the same foundation

For investigation & oversight

- Trace an individual's or supplier's involvement across dozens of events, contracts and entities.
- Assemble the complete record for a region, a programme, or a period.
- Verify a claim against the statement or document that backs it.
- Cross-reference people, places, events and organisations using AI-powered natural-language queries.

For prosecution & legal proceedings

- Establish who was present at a location, or party to a transaction, within a date range.
- Produce a sourced trail — down to the physical file reference — for every single assertion.
- Distinguish an established finding from an unverified lead at a glance.
- Export a citable, stamped, court-ready dossier that stays defensible the moment it leaves the system.

The same platform serves both because sound investigation and defensible prosecution rest on the same foundation: **provenance, precision, and an unbroken chain of custody over the data.**

WHERE IT FITS

Built for any mandate that must prove what it finds

- **Anti-corruption & forensic investigation** — procurement irregularities, maladministration and asset-recovery casework.
- **Prosecutorial & investigative directorates** — case preparation with an unbroken evidential chain from lead to dossier.
- **Commissions of inquiry** — consolidating testimony, exhibits and submissions into a single navigable record.
- **Oversight & Chapter 9-type institutions** — complaints, findings and remedial action with full traceability.
- **Enforcement inspectorates** — environmental, labour, revenue and immigration enforcement casework.
- **Internal disciplinary & integrity units** — misconduct matters managed to an evidential, auditable standard.

Network intelligence for the investigator

An interactive, force-directed network graph renders the connections around any person, event, location or organisation — chains of command, recurring co-location, shared intermediaries, repeat suppliers. Explore the neighbourhood around a subject, filter the graph by evidential status to show only adjudicated connections, and surface the patterns no single record reveals on its own.

Trust before automation

01 No assertion without a source

Every entity and every relationship carries provenance — an immutable link to the evidence that backs it, tracing all the way out to a real statement, affidavit, contract or physical file reference. Nothing floats free. If it's in the record, you can prove where it came from.

02 An immutable record that remembers everything

CaseTrace never overwrites history. Every correction, merge, promotion or retirement appends a new version rather than mutating the old one — an append-only lineage you can page through, forward and back, from any record. Every change and every export is captured in a centralised audit log: who, when, what, and why.

03 Search that understands names

People and entities appear under alternate spellings, transcription variants and aliases. CaseTrace search is name-aware and typo-tolerant — it matches across aliases and variants, looks up records directly by reference number, and runs full-text and faceted search across the entire corpus. Find the person, not just the exact string.

04 Intelligence that assists the human

Every AI capability is assistive and grounded. Inferred content and links are always visibly distinct from confirmed fact, nothing is auto-committed, and the authoritative record stays human-owned. The system records, links and surfaces — it never makes the finding. Interpretation stays where it belongs: with qualified officials.

Natural-language query

Ask a question in plain English and get an answer grounded in — and traceable to — actual records.

Semantic search

Retrieval by meaning, not just keyword, across findings, reports and case documents.

Connection discovery

Graph analytics that surface non-obvious leads — each explained, sourced, and clearly labelled as an unverified hypothesis.

Assisted extraction

Machine-read new documents into candidate records, always staged for human review before anything touches the authoritative record.

Sovereign by design

The AI engine runs on-premise, inside the department's own environment. Sensitive case material is never sent to an external cloud service, and the department retains full custody of its data at all times.

Aligned to the standards government must answer to

POPIA	Role-based access, purpose limitation and full audit trails support responsible handling of personal information throughout the case lifecycle.
Electronic evidence	Provenance links, immutable versioning and stamped exports support the integrity and evidential weight of electronic records in legal proceedings.
Records management	Append-only lineage and structured source registers align with public-sector records-management and archival obligations.
Information security	On-premise or private-cloud deployment within departmental infrastructure, with security classification of records and least-privilege access.
Standards-based	POLE-structured investigative data, aligned with internationally recognised documentation standards for investigative and rights-based casework.

WHY PRAXISKZN

A South African partner with 16 years of delivery

Established 2010

16 years of enterprise software delivery to South African public- and private-sector clients.

B-BBEE Level 1

Maximum procurement recognition for government and state-owned entities.

Local footprint

Offices in Johannesburg, Durban and Cape Town — implementation, training and support delivered locally.

The truth of what happened is only as strong as your ability to prove it.

CaseTrace is built to do exactly that — a provenance-first, fully audited platform that turns fragile departmental archives into a living instrument for investigation, oversight and prosecution. Ask us for a demonstration on a sample of your own case material.

COMPANY

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