forensic-register

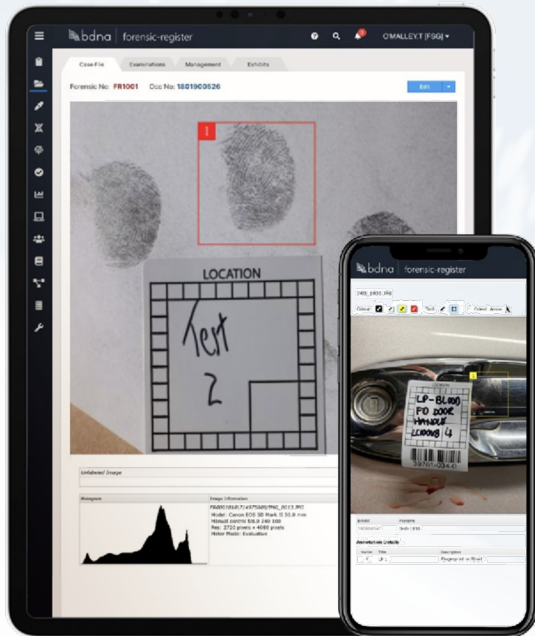## CRIME SCENE - DO NOT CROSS

Features

The forensic-register is the dominant forensic case management and laboratory information management (LIMS) solution in Australia. It provides extensive forensic investigation management, from mobile scene capture through to court presentation, in a single, digital case file record across all forensic disciplines, supporting compliance with the requirements of ISO/IEC 17025 and AS 5388 (or equivalent). The forensic-register has obvious applications for policing and forensic facilities internationally.

- ✓ Crime Scene Evidence collection and recording
- ✓ Digital image capture, transfer and storage
- ✓ In-built quality assurance processes
- ✓ Storage of forensic examination and analysis digital results and files
- ✓ Workflows driven by forensic intelligence and lean quality processes

Successes

The forensic-register has been instrumental in reducing and removing exhibit processing backlogs and delivering world-leading turnaround times for reporting results. In Queensland, Australia, fingerprint comparison and identifications average less than 48 hours, and DNA analysis results less than two weeks.

Highly-automated digital workflows provide suspect nominations while investigators are still at the scene, to help accurately direct investigations. These initiatives have received State and National award recognition in Australia.

Integration

The forensic-register integrates seamlessly with key national and local systems, and software applications including:

- ✓ National Criminal Investigation DNA Database (NCIDD)
- ✓ National Automated Fingerprint Identification System (NAFIS)
- ✓ Australian Ballistic Information Network (ABIN)
- ✓ Jurisdictional investigation management systems (NicheRMS, PROMIS, IMS)

- ✓ Idemia Automated Fingerprint Matching Systems
- ✓ GeneMapper^{TM}
- ✓ STRmix^{TM}
- ✓ Bonaparte DVI

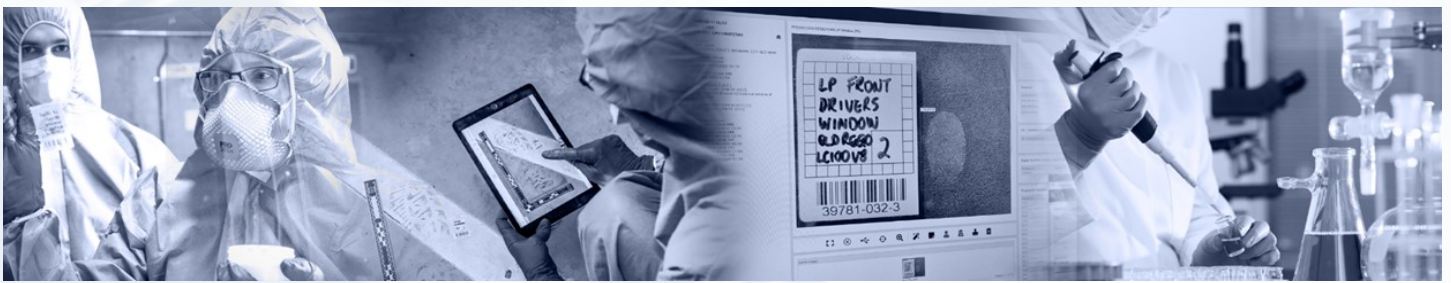- ✓ MassHunter
- ✓ ChemStation
- ✓ FCS Fingerprint Comparator

This integration ensures timely forensic intelligence and forensic examination and analysis results are available to help accurately direct investigations.

Implementation

Bdna's team of analysts, engineers and forensic subject matter experts (including former police officers and forensic investigators) work closely with law enforcement and forensic laboratories to seamlessly integrate the forensic-register within existing jurisdictional frameworks and workflows and provide a product that is fully supported throughout implementation.

Cloud & On-Premise

The flexibility and compatibility of the forensic-register application deployment model means clients have their choice of Software as a Service (SaaS) or an on-premise server installation dependent on their organisational requirements.

Key Features

Case Management

The forensic-register is a single, flexible, forensic platform that supports highly efficient field and laboratory based activities.

Crime Scene Workflows

The forensic-register provides mobile capture and transfer of forensic evidence to expert support services, enabling the production of rapid intelligence that often results in suspect nominations and identifications whilst at the crime scene to accurately direct investigations.

Fingerprint Workflows

The forensic-register utilises completely digital fingerprint workflows from crime scene capture to expert comparison resulting in efficient identification of offenders and forensic intelligence linkages.

DNA Workflows

The forensic-register provides digital, paperless DNA workflows from crime scene collection to laboratory DNA analysis, resulting in efficient identification of offenders and forensic intelligence linkages.

Chemistry Workflows

The forensic-register provides digital, paperless workflows for laboratory chemical analysis, including Illicit Drugs, Clan Lab, Trace Evidence and Toxicology, resulting in efficient reporting of results and forensic intelligence linkages.

Coronial Workflows (coming soon)

Development of an integrated Coronial LIMS workflow is currently underway, with patient and mortuary management to support autopsies and coronial processes and testing, including Histology and Toxicology.

Intelligence

The forensic-register mines digitally captured data, aiding in the proactive identification of trends, links and networks from which operational intelligence can be derived.

Exhibit Management

The forensic-register includes 'end to end' exhibit management ensuring continuity of evidence and integrity of results through the entire examination workflow.

Quality and Compliance

The forensic-register's integrated quality management system incorporates auditing compliance and monitoring tools to identify and manage non-conformance issues at the earliest opportunity, ensuring continued accreditation against national and international standards.

Equipment and Supplies

The forensic-register tracks suppliers and service providers and integrates traceability of forensic supplies and equipment used within forensic casework, to ensure the quality and integrity of results.

Performance Management and Statistics

The forensic-register manages and reports the performance of individuals, facilities and organisations using real time data, tracking common operational activities and organisational reporting elements across all forensic capabilities.

Personnel Management

The forensic-register maintains a searchable database to easily identify suitably authorised and available personnel for operational taskings and professional development opportunities.

Mobile Ready

The forensic-register can be deployed on any device supporting efficient field and laboratory based activities. Acquisition of field data using mobile connected devices, including images and notes, further increases the efficiencies of the inbuilt digital workflows and reduces risks by minimising equipment required in the field.