

Digital Forensic Services



EPE Electronic Presentation of Evidence

A presentation containing all of the evidence to be used in the trial. All material is held on one computer and displayed on courtroom monitors. These are placed to allow all of the trial participants to fully understand the evidence.

Paperless trials using the latest technologies such as iPads are replacing the traditional paper evidence bundle.



Expert evidence is inserted into the EPE along with all other documentation, 3D material, CCTV, audio, interactive time-lines, mapping and telecoms data. This media is edited and inserted into an interactive time-line showing an easily understood chronological sequence of events. A brief overview of the case often based upon the trial opening by Counsel.

The investigation team and Counsel are closely involved in the preparation of their evidence and how it will be used in the courtroom presentation.

Forensic Identification

Acumé currently review in excess of 400 identification cases per year. Producing expert reports in facial morphology, gait analysis, height analysis, clothing and vehicle comparison.

The reports are peer reviewed to ensure that the best evidence is presented. Acumé Forensics reports have been used in court cases internationally, many resulting in guilty pleas before trial.

Questioned Imagery & Morphological Comparison (4)



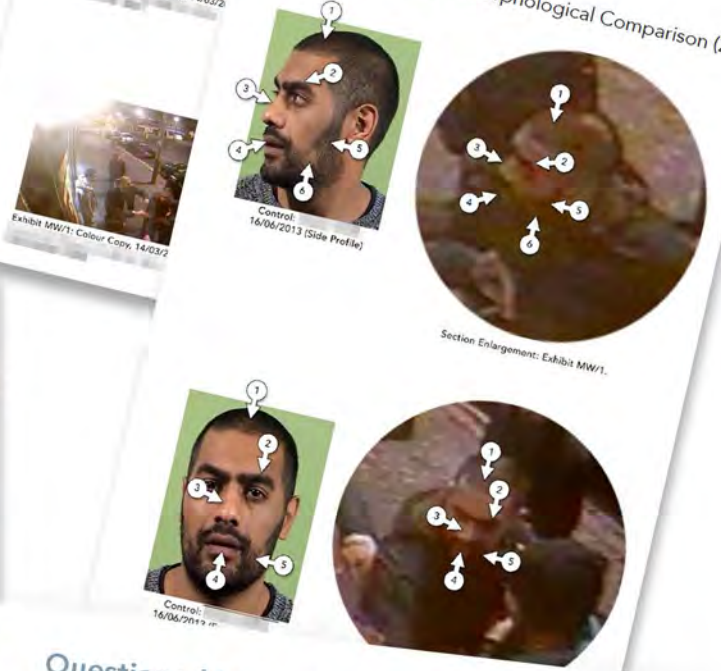
Questioned Imagery & Morphological Comparison (5)



Questioned Imagery & Morphological Comparison



Questioned Imagery & Morphological Comparison (2)

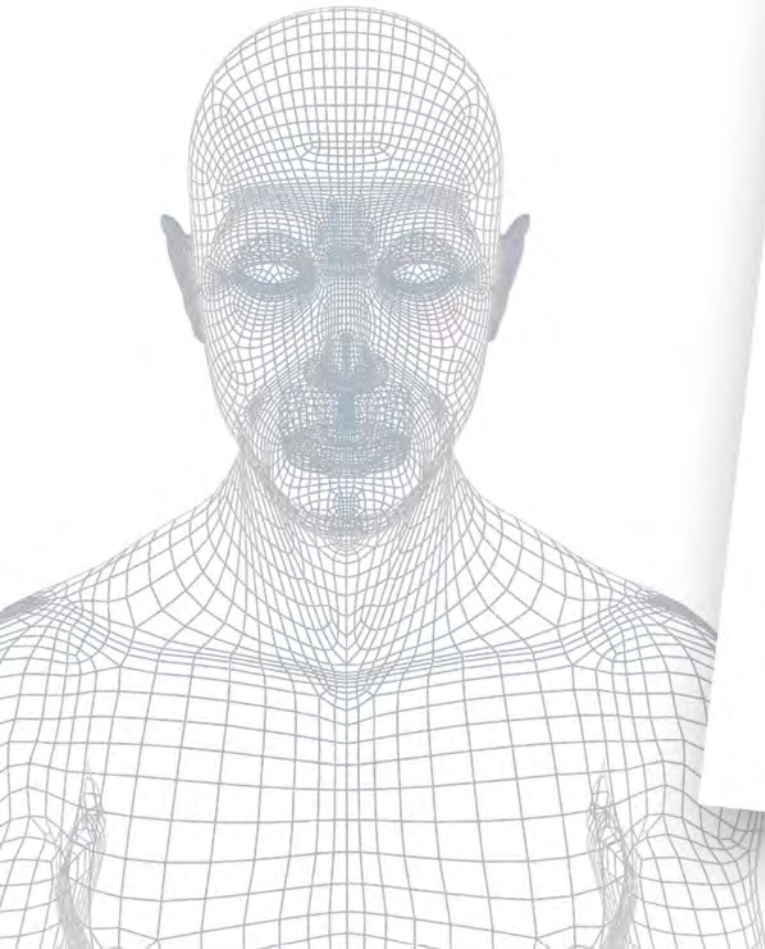


Questioned Imagery and Morphological Comparison: Figure 02

Taxi footage: 2nd August 2015 07:05:21



Custody image: Subject 1



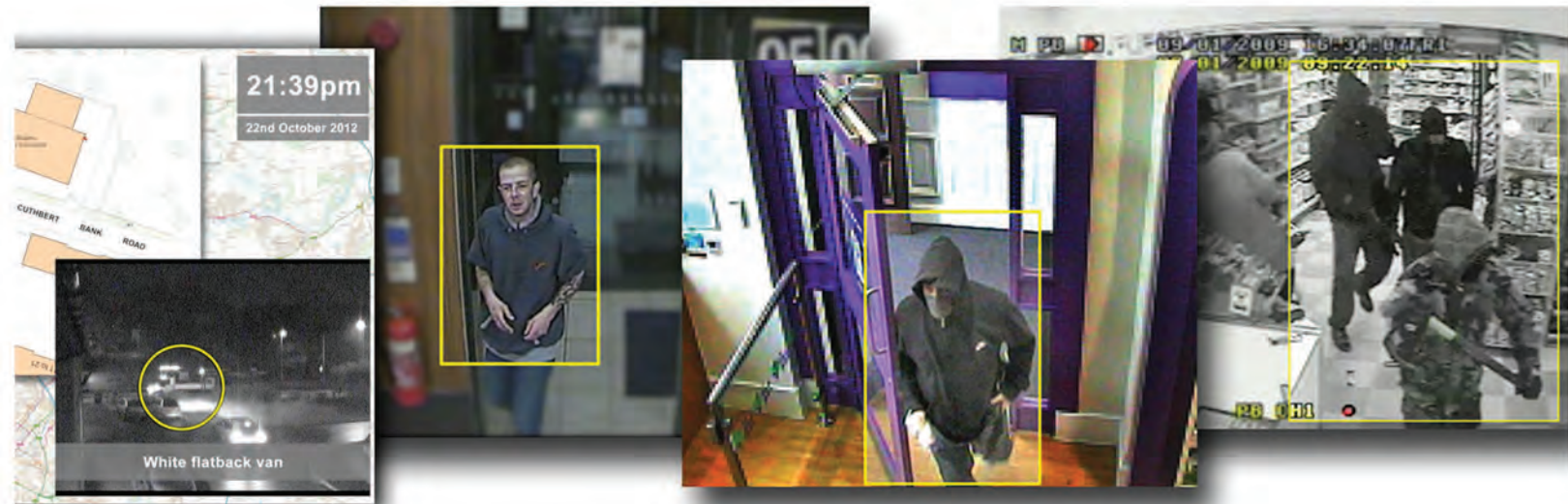
CCTV Recovery, Improvement & Presentation



CCTV is the foundation for most criminal investigation undertaken in the UK today. Working in all formats from VHS to HD, Acumé Forensics have over 20 years experience in the retrieval, improvement and presentation of CCTV.

Acumé Forensics use CCTV evidence to prove identity through facial mapping, height analysis, gait analysis and clothing comparison.

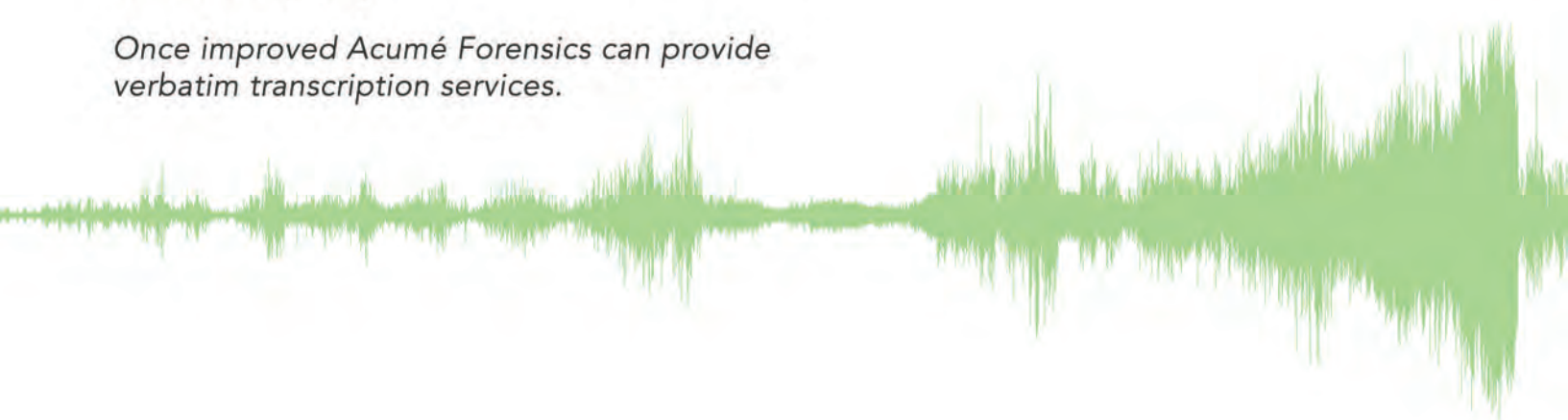
CCTV often forms the basis for the EPE. Edited along with detailed mapping and 3D scene reconstructions to help the jury visualise a sequence of events.



Audio Improvement & Transcription

Evidential audio recordings come from many sources and vary in quality. Acumé Forensics can improve almost any recording. Using custom noise reduction filters to remove distracting background noise and improve the overall quality.

Once improved Acumé Forensics can provide verbatim transcription services.



3D Scene Reconstruction and Body Mapping

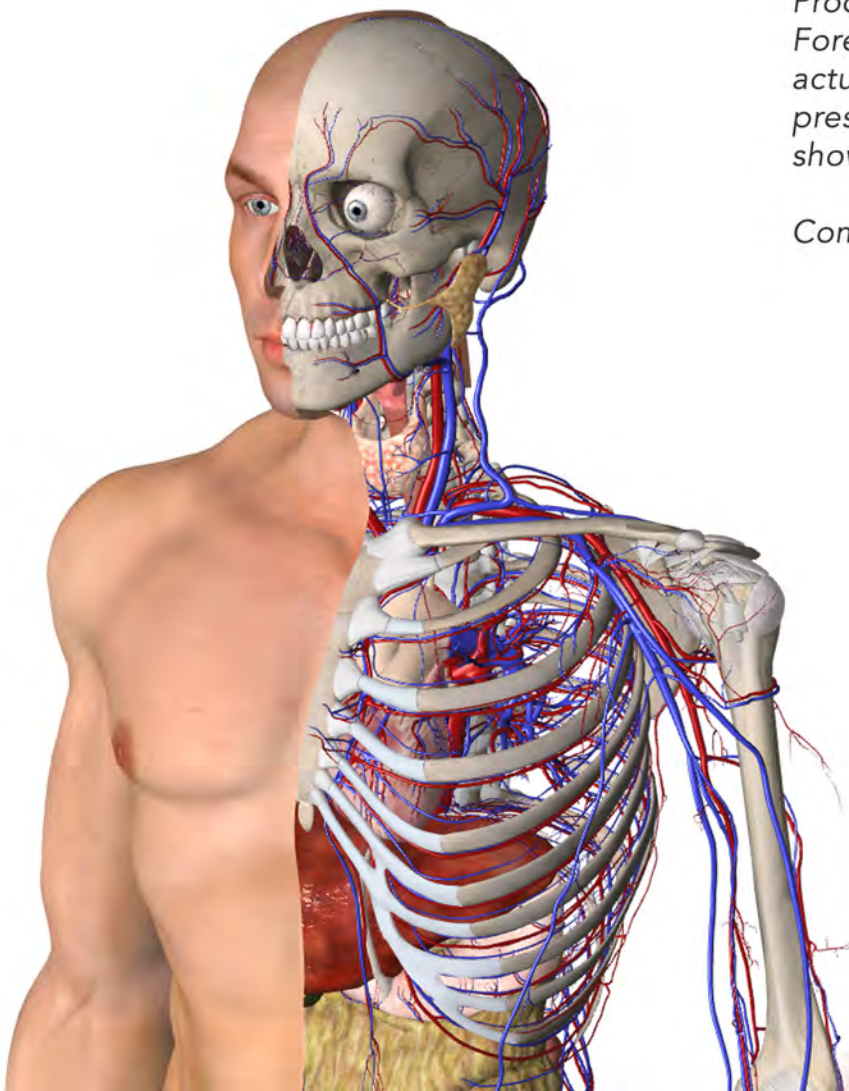
Reconstructing a scene in 3D is a powerful presentation tool which can be used to accurately place key exhibits, footwear and fingerprint locations, blood distribution and body location, giving visual context to key evidence.

The ability to add a virtual camera allows witness views and sight lines to be shown and to demonstrate or test a sequence of events. Presented as video sequences and still images, our 3D scene reconstructions are used extensively at court.



Produced in conjunction with the Pathologist. Forensically accurate 3D representations of actual injuries allows graphic imagery to be presented to the court. Internal injuries are shown in a simple to understand format.

Complex evidence sanitised and simplified.



'Review' Evidence Exploration System

Evidence Exploration System controls all aspects of document management. Its intuitive interface requires no computing skills to learn, just point and click. Client customisation includes branding and custom fields.

Access to the different areas of Review is controlled by one mouse click. Working as a virtual filing system, seamlessly linking together statements, exhibits, transcripts, audio, video, scanned and electronic media, Review gives you total control. An ideal solution for fraud, volume crime, serial investigation, civil litigation and banking.

Full audited action management functions, with automated OCR and pagination.

Review requires no third party software, using only common proprietary software such as PDF reader and native format video and audio players.

Review is multi-platform working on PC, Mac and iOS devices.



Core Services

- **Audio Improvement** - Digitisation and analysis of material includes transcription service with expert report
- **3D Body Mapping** - 3D Post Mortem and injury mapping both internal and external, including wound tracking
- **3D Scene Reconstruction** - Forensically accurate scene reconstruction, to show exhibit placement or demonstrate a sequence of events
- **CCTV** - Recovery, digitisation, analysis and editing, expert report and opinion
- **Cold Case** - Full evidence reconstruction from historic unsolved case files, digital conversion of analogue media and defunct file formats
- **Document Scanning** - Volume or small runs, B&W, Colour. OCR, pagination and PDF
- **Digital Imaging** - Expert examination, provenance, improvement
- **Electronic Jury Bundles** - Traditional paper jury bundles re-purposed for iPad allowing individual annotation and note taking
- **EPE** - Electronic Preparation and Presentation of Evidence, Multimedia courtroom presentation
- **Evidence Exploration System** - 'Review' - automatically ingests, stores and searches evidence bundles for research, actions management, review and disclosure securely and accurately
- **Evidential Comparison** - Expert reports in facial, clothing and vehicle comparison
- **Forensic Analysis of Electronic Devices** - Data recovery and expert reporting of all digital devices, PC, Mac, iOS, Android, SAT Nav and all storage devices.
- **Height Analysis** - Heights and other measurements including speed can be determined from CCTV, Still images and other visual recordings
- **Telecoms** - Interpretation and presentation of telecoms evidence including mapping
- **Timeline** - Preparation of interactive timelines to show witness, vehicle or other forms of complicated movement over time



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