

Mobile and Wearable Device Forensics

We have long led the way in the rapidly evolving world of digital forensics, data recovery and analysis of data from mobiles, smartphones, tablets and other devices such as smartwatches and fitness devices. Our operating model provides a full range of digital forensic solutions to identify if there is material relevant to your investigation and present it in an understandable format.

By using a combination of industry-leading forensic software and hardware; bespoke in-house programs and the expertise of our advanced device repair and data recovery team we can offer three levels of service to Law Enforcement Agencies (LEAs), defence teams and corporate clients:



Mobile Device Examination

Service Layer

This can be provided onsite or at our digital forensics laboratory at Stratford-upon-Avon. Service Layer 1 provides what is generally known as a 'logical' extraction: the live data that is readily available on the device (ie data that you would find if you could switch the device on and browse through it). However, this may not extract all the data present and will not usually extract any deleted data.

Service Layer

This can be provided onsite at the client's preferred location or within our digital forensics laboratory. Service Layer 2 provides both a 'logical' and 'physical' extraction of data from the devices submitted. 'Physical' downloads can often recover deleted material, although capabilities vary depending on the nature of the device, operating system, types of application and whether they are supported by the extraction software.

Service Layer

3

Delivered by our advanced device repair and data recovery team at our digital forensics laboratory in Stratford-upon-Avon. Service Layer 3 deals with expert and bespoke methods to tackle complex issues or damaged devices, including:

- Accessing data held on an unsupported or encrypted device
- JTAG (Joint Test Action Group) data extraction. JTAG forensics is a data acquisition method that involves the extraction of data from the memory on the circuit board using ports and a soldering iron
- ISP (In-System Programming) data extraction. The ISP practice enables examiners to directly recover the complete data without removing the chip and destroying the device
- Device repair and data recovery, including screens, battery replacement and waterlogged devices
- FMCT (Flash Memory Chip Transplant). FMCT transplantation involves removing a flash memory chip from a donor device and transplanting it onto an intact, previously working handset allowing data to be recovered.
- Advanced Road Traffic Collision (RTC) examination services.
- Research and Development projects in relation to new and emerging products, threats and investigational requirements.



All services can be enhanced with a comprehensive range of added-value options to complete your investigation.

- ✓ Return of data in a user-friendly portable case format to allow the client to review the data for relevant material themselves.
- ✓ Review of data to establish if all points to prove have been met.
- ✓ Child Sexual Abuse Material (CSAM) image grading by Nationally Accredited Grading Officers in accordance with the General Sentencing Council 3-tier system.
- ✓ Analysis of recovered data to establish the veracity and relevance of the recovered material.
- ✓ Provide findings in a report format acceptable by the Courts (both Criminal and Civil).

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