

# SECURCUBE PHONELOG

Modern mobile forensics requires knowledge and cutting edge technology

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Our experience, passion, philosophy, and technology is aimed at empowering investigators to reach justice from the complexity of a digital crime scene.

SecurCube: on the field, in the lab, and in the courtroom.

Discover the system designed to maximize your investigative potential with data validation technology.

Import, mine, map, and correlate multiple evidence sources in one easy to use and powerful analytics software based on international best practices.



## The digital environment

Everyone uses their smartphones to call, text, browse the web, and e-mail. The mobile networks that surround us run in parallel with the real world, turning people into traceable mobile identities.

Information is automatically stored in phone records and in a device's memory, an invaluable source of evidence for criminal court cases. The goal of digital forensics is to collect, define, and analyze this data to solve crimes, following digital footprints and reconstructing past events.

**SecurCube PhoneLog** is designed to empower investigators and maximize the potential of evidence generated by smartphones, validating it through third party and unalterable CDR data.

Achieve the most complete analysis results in the least amount of time.



## Mobile forensics evidence

Smartphones produce key evidence that translates into opportunities for investigators to exploit.

### Call Detail Records

The most impartial and reliable evidence source today.

Carriers automatically collect and store mobile data for billing purposes:

- Users, date, duration, and type of event: calls, SMS and data connections
- ID and location of every cell tower connecting to the SIM card
- All traffic generated by the network

### Mobile Extractions

Technology that enables collecting a device's memory: pictures, e-mails, texts, internet navigation history, and more.

### Cell Site Analysis

A careful survey of where cell towers spread their signal is the basis of a smartphone's past geo-localization.

Dig deeper with additional evidence: CCTV camera feeds, GPS data, wiretaps, license plates, and much more.



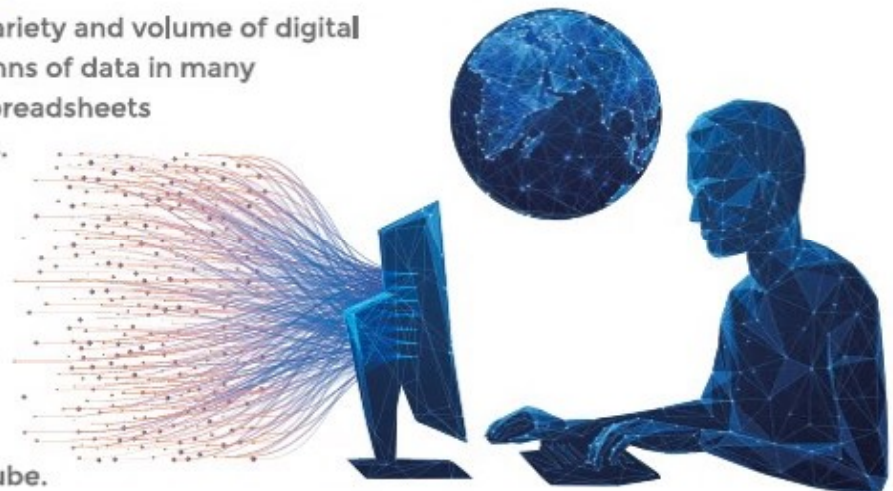
The user-friendly environment where all these types of data are analyzed, cross referenced, and maximized.

## PhoneLog advanced importing

Analysts are usually overwhelmed by the variety and volume of digital evidence in a criminal case: rows and columns of data in many different formats. Stop wasting hours on spreadsheets and tools not designed for mobile forensics.

PhoneLog **Artificial Intelligence** imports and organizes data quickly and efficiently, uncovering hidden stored information. Save time, manpower, and resources by automatically and forensically creating evidence databases.

More cases solved in less time regardless of carrier, format, or structure with SecurCube.



## Investigation management

PhoneLog is a flexible platform with custom solutions for every organization and each unique criminal case. The new browser-based solution does not require any software installations.

It can be used both online and offline.

Analysts can work on the same case and database, or on multiple ones on the shared platform, depending on the specific tasks and rights assigned to them.

An administrator account easily manages user roles, work groups, progress, and results in real time.

Our support system will train, certify, specialize, and assist PhoneLog users in their own language.



## Statistical data mining: unlock digital footprints with your evidence

Once digital evidence is imported to PhoneLog, perform modern, in-depth analytical investigation.

Functions developed in partnership with global law enforcement designed to optimize criminal research.



- Follow intuitions, and insights with precise queries specifically custom built for digital forensics like meeting points and movements
- Search records and entities
- Extract multiple user habits, connections, and patterns
- Understand digital footprints and the links to other users
- Analyze devices, cell tower environments, mobile extractions, social media accounts

PhoneLog develops a solid and logical method for the in-depth reconstruction of mobile profiles and alibis.

## Mapping and movements

Every call, text, or internet connection is made by communicating with a cell tower.

Phone records store specific location information relative to each cell in their networks.

Mobile forensics geo-locating technology relies on processing this information accurately.

PhoneLog offers a state of the art 3D map that can be populated with points of interest, pictures, and additional data traced by digital footprints created by smartphones connecting to cell towers.

Users can:

- Animate user paths, behaviors, and meeting points with others through PhoneLog's state of the art mapping technology
- Integrate CDR theoretical coverage with statistical BTS Tracker real coverage data: the most complete mobile forensics map on the market



## Data validation

PhoneLog provides specific data analytics and mapping functions of your digital evidence.

Line up, confront, and map **all** your sources together by importing different types of mobile data to one system.

Pictures extracted from a device have metadata indicating when and where they were taken.

Call Detail Records log information on the cell towers to which the device connected to, which further validates and strengthens the specific mobile extraction.

Import CCTV camera feeds or vehicle GPS files: show them in parallel with CDR and mobile extractions creating a solid visualization of multiple-source evidence. A picture extracted from a device with a spoofed position in conflict with CDR data is automatically discovered and shown with precise cross referencing analytics. **PhoneLog correlates multiple streams and delivers the 360° data validation every digital investigation requires.**



## Professional courtroom presentations

PhoneLog focuses on forensic international best practices: evidence integrity is warranted and protected by the built-in Hash Code System: data is never modified or corrupted. Users can:

- **Integrate** the results with other solutions such as i2 Analyst's Notebook, for a smooth harmonization of multiple forensic applications
- **Export** every step of the analysis in easy to understand and customizable diagrams, charts, images, and voice-over video animations for the clearest display of the results

Our experience in the courtrooms guarantees the best possible criminal case presentation.

## Case scenarios

PhoneLog is designed to investigate criminal activity. In **kidnapping** cases, importing and mining mobile evidence is extremely useful. Start with:

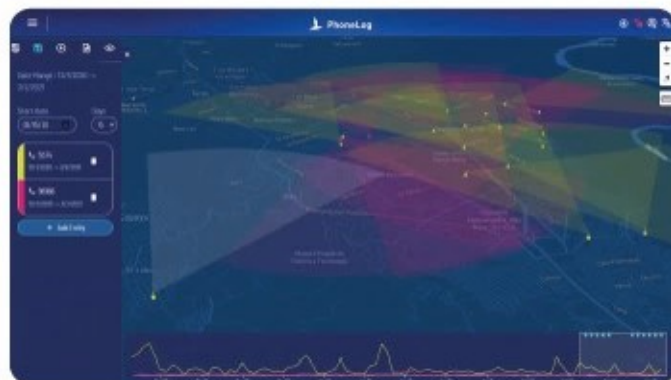
- The complete **cell** tower traffic in the last seen area
- The victim's user CDR and **last connected cell** tower traffic

Cross reference a number of possible suspects to the missing person's last mobile activity and connected cell towers. Statistically analyzing the victim's mobile footprint and discovering deviations from the norm can lead to breakthrough insights.

When investigating **drug trafficking**, highlight potential meeting points or patterns among many persons of interest as single entities and as a group.

With just a few clicks define: users habits, most used locations, interactions, meeting points.

Continue to import evidence and open multiple pathways and to solve crime with PhoneLog.



**CONTACT US FOR A DETAILED PRESENTATION OF PHONELOG**

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