

ARTIFICIAL INTELLIGENCE IN MOBILE FORENSICS



ABOUT THE COMPANY

T3K-Forensics brings artificial intelligence to mobile forensics, developing unique software solutions for automated analysis of smartphone data extractions, to help simplify and speed up mobile forensic investigations.

T3K-Forensics' analytic solutions LEAP and ForClu are developed for international law enforcement and immigration authorities, complementary to the most commonly used smartphone extraction toolkits.

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T3K-LEAP

Quick and precise analysis, the revolutionary reporting solution



Fast results

Get fast results in time and resource critical situations



Easy to handle

Use it with a minimum of training



Highly compatible

Analyzing extractions of leading mobile forensic toolkits

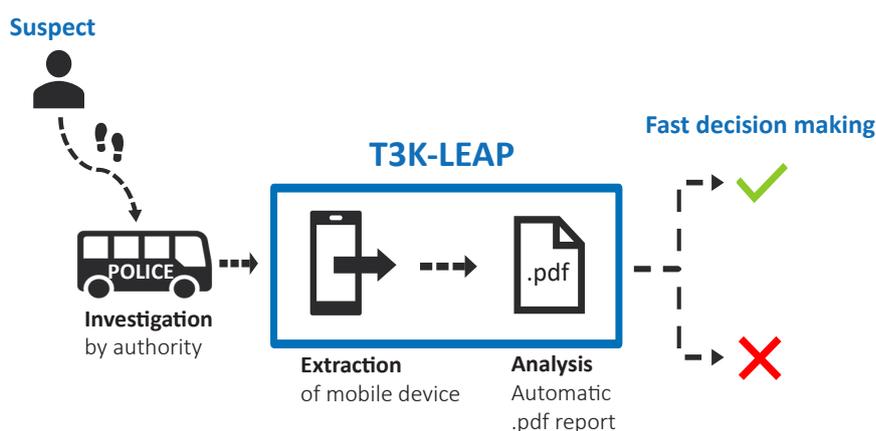
T3K LEAP is a software developed for law enforcement authorities in need of a solution for quick investigations at specific hotspots. Whether you're looking at border control checks, at investigations into narcotics or crimes against children, or at counter-terrorism operations, T3K LEAP is suitable for a multitude of investigative settings. After data

is successfully extracted from smartphones, the software performs an automated analysis of the data, based on an artificial intelligence, and finally creates a conclusive report summarizing the information the investigator is looking for.

The software is already in use in Austria and Germany, and interest from authorities of

T3K-Forensics is a highly innovative mobile forensics company founded in Vienna, Austria.

T3K-Forensics became a pioneer in the field of mobile forensics, developing revolutionary solutions for the automated analysis of data.



T3K LEAP is a multi-module system, presenting fast analyses of identity data, such as a person's contacts, account data, country of origin, travel routes, or written languages. It also features a media analysis module, automatically detecting and reporting image and video contents that fall into pre-classified

categories. The third module presents a complex analysis of possible correlations between a group of persons.

T3K LEAP is quick and efficient, saving time and money in investigations that otherwise require a great amount of manpower.



T3K-FORCLU

Automated forensic clustering tool, the first of its kind

T3K ForClu is a solution that automatically groups image and video content into meaningful clusters, resulting in a quick search for very specific contents in vast amounts of data.

An investigator needs to find pictures of a red van in 100.000+ media files? T3K ForClu takes the burden of manual inspection off the investigator, using an artificial intelligence to sort and rearrange the data flood to make it manageable.

The initial release of ForClu is focused on managing huge volumes of pictures, as seized from suspects' smartphones, computers and social

media accounts. It analyzes pictures using an artificial neural network, to generate mathematical "concepts" of the pictures. Those concepts are used in arranging pictures into meaningful clusters, which solely depend on the input data. Coming up in later stages is the ability to generate abstract concepts to enable on-the-fly generation of ForClu filters able to rapidly search databases of millions of pictures (or other data types soon to be supported).

Forensic Clustering is an improvement to any digital forensic process limited by time or by an excess of potential evidence.



HOW DO AUTHORITIES BENEFIT FROM T3K SOLUTIONS?

The mobile phone has become a potential tool for establishing identity: nearly everybody has a smartphone, containing valuable information about the owner. At the same time, the amount of data and especially images stored on smartphones keeps growing, creating substantial backlogs for investigators. The artificial intelligence used by T3K has been trained on real-life data in cooperation with criminal investigation authorities in Austria and Germany. Our focus is on identifying criminally relevant material with minimal viewing time of challenging contents.

The main advantages with implementing these software solutions are time efficiency and precision. Traditionally, the investigation for a specific threat could take weeks. With T3K LEAP or T3K ForClu, law enforcement can generate results in minutes, supporting quick decision making.

T3K solutions can be applied by the investigators and no forensic expert staff is required to handle the system. They can be adapted to pre-existing case-management systems or delivered with an easy-to-use web interface for end users and administrators, accessible only within the internal network.

T3K LEAP also standardizes and semi-automates workflows, which significantly reduces processing times and saves costs. T3K analytic solutions can ideally be used in any investigative setting that requires quick and reliable answers, such as:

- Detecting crimes against children
- Border control checks
- Narcotics crime investigations
- Counterterrorism investigations

