



# BrainFingerprinting

*A Solution to the Fundamental Problem in Counterterrorism – Investigation and Prevention*

## CHALLENGES IN COUNTERTERRORISM

*The rise in terrorist attacks and the increasingly sophisticated methods of perpetration are outpacing the technical solutions to fight it. Brain Fingerprinting provides a scientific solution to the fundamental problem in counterterrorism: distinguishing between terrorists from innocents, before the terrorists strike.*

Terrorist groups have limited resources and limited means. They are quick to refine their methods in a very short time frame, improving on time-tested techniques, improvising, seeking out new ways to strike and new targets to attack. Law enforcement take considerably longer to update their investigatory techniques and are able to only go so far when implementing new security measures.

Technological answers today are deficient in disruptive character thus fall short to deal with the magnitude and potential severity of the threat. Breaking the cycle of innovation and countermeasures between terrorism and counterterrorism calls for *unprecedented innovation* with which terrorists cannot compete.

Counterterrorism and counterintelligence organizations most often fully understand the threat posed by terrorists closing in their homeland. What they don't know and what is extremely difficult to know is how exactly an attack will be carried out. For counterterrorism agencies, the aim is to get information fast enough to mount raids and detain suspects before they have time to figure out who among them has been picked up and who might have talked, let alone plan a new strike.

Given the pace and scope of lone-wolf attackers and terrorist networks, an efficient method of intelligence collection that can quickly preempt and neutralize hostile threats is imperative.

*The essential question is, how do you gather intelligence on citizens in a democracy? Is there an effective technology out there that enhances human intelligence (HUMINT) as well as help uphold democracy?*

# Counterterrorism

## BRAIN FINGERPRINTING SOLUTION

*Brain Fingerprinting provides an objective, scientific technology to distinguish between terrorists and innocents by detecting the information stored in a terrorist's brain*

In most cases when a terrorism suspect is detained for questioning, he/she is professionally trained to conceal critical information affiliated with his/her networks. A considerable amount of time and resources are allocated for informants and investigators to commit and pursue one lead amid hundreds and thousands of others. Leads are easily dropped when there is insufficient evidence collected in a given time frame. Brain Fingerprinting is designed to eliminate these critical missed opportunities.

Counterterrorism authorities can utilize the Brain Fingerprinting solution to determine if an individual's memory contains specific knowledge of any fact or situation, such as the details of a crime scene, bomb-making knowledge, or the inner workings of a terrorist organization. When those activities, or items associated with those activities, are recognized by the individual, months or even years later, the brain emits the involuntary response known as a P300 MERMER. In tests conducted at the FBI, the CIA, the US Navy, and elsewhere, Brain Fingerprinting technology has detected the P-300 MERMER and the concealed knowledge it reveals with near-100% accuracy. It is a powerful solution to help justify cause for further investigation on leads where evidence is unavailable.

National security is contingent upon counterterrorism efforts to maximize their time and resources. Brain Fingerprinting empowers agencies to double or triple the number of cases or leads they manage, advancing efficiency at remarkable rates. One Brain Fingerprinting test, lasting 45 minutes to an hour, can reveal critical pieces to solve the complex puzzle of terrorist networks. An extraordinary wealth of intelligence collected through Brain Fingerprinting can markedly transform how cases and leads are pursued.

Counterterrorism investigators are trained to find, analyze, and record the specific details of terrorist crimes, particularly those details that are unique to each specific crime. These are the items that can most effectively be used in a Brain Fingerprinting test to detect evidence of a suspect's participation stored in his brain. The unique security solution is best positioned to corroborate evidence that will either go concealed by a terrorist, using advanced neurological responses that cannot be manipulated or suppressed. Brain Fingerprinting, by design, emphasizes the importance of threat prevention, threat detection, and threat deterrence.

## KEY FEATURES

|                          |                                    |
|--------------------------|------------------------------------|
| Accuracy                 | 99.9%                              |
| Reliability              | High                               |
| Applicability            | 85-90% of civil and criminal cases |
| Counter Measures         | Zero                               |
| False Negatives          | Zero                               |
| False Positives          | Zero                               |
| Language Translation     | Available in all languages         |
| Results Calibration Time | Instant                            |
| Portable                 | Yes                                |
| General Customization    | Available                          |
| Cost-effective           | Yes                                |
| Field Tests Conducted    | FBI, CIA, U.S NAVY                 |
| Admissible in U.S Courts | Yes                                |

## ADVANTAGES

Brain Fingerprinting is the paradigm shifter in the war against terror providing counterterrorism units with capabilities never available before:

1. Identify perpetrators of terrorist acts.
2. Identify members of a terrorist cell.
3. Detect plans for future terrorist acts.
4. Validate and objectively test hypotheses generated by link analysis, network analysis programs – who is connected to which other individuals, groups, operations, etc. Reverse engineering the terrorist network.
5. Identify role or position of an individual in the entire terror organization, for example, a financier, commander, etc.
6. Identify foot soldiers or lower-level operatives.
7. Evaluate potential assets, detecting whether they are someone other than who they pretend to be.
8. Detect hostile intelligence agents, moles, double agents, and individuals with connections to foreign intelligence agencies.
9. Detect unauthorized access to or dissemination of compartmentalized classified information.

## HOW IT WORKS

### Subject Preparation



The first step is to correctly Place the wireless Headset, which uses sensors (electrode) to collect the brain responses from the scalp and muscle movements.

### Launch Application

A series of crime or event specific, relevant and irrelevant stimulus in the form of words, phrases, or pictures are flashed on a computer screen.



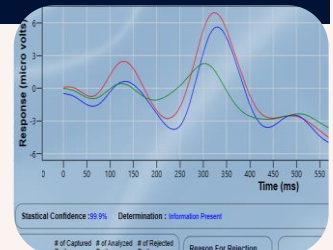
### Collect Brain Responses



Collect the Brain responses for each words, phrases, or pictures in the form of EEG signals.

### Analyze the Result

The collected brain responses to the stimuli are analyzed with the patented techniques and scientific algorithms to determine whether the information under test is present or absent.



The Statistical Confidence of the result is over 99% accurate

More often than not, counterterrorism and counterintelligence organizations understand the threat encircling around their homeland. What they don't know and what is extremely difficult to know is how exactly an attack will be carried out. Brain Fingerprinting maximizes access to quality intelligence for personnel. Brain Fingerprinting empowers law enforcement and counterterrorism agencies with an advanced technique to cross-verify and corroborate information to identify threat actors, before the terrorists strike.