

Leave impersonators,
fraudsters and identity
thieves speechless.

S.P.I.D.™ 6.0 Speaker Identification and Detection

Monitor communications and capture suspected targets with an advanced voice mining and speaker identification system that's reliable, accurate and efficient.

Intelligence agencies continue to integrate advanced technologies as part of an overall effort to improve homeland security. Also, law enforcement agencies want the best available technologies to help them combat crime. Both sectors rely on extensive sources to track and capture targets; they must be able to effectively piece together relevant information from these global communication networks and intelligence feeds in order to follow the right leads.

S.P.I.D. is a comprehensive audio processing system that efficiently searches for a target's voice within a large volume of intercepted calls, regardless of the conversation content or method of communication. S.P.I.D. directs law enforcement agencies and intelligence organizations to relevant calls containing a target's voice. The system uses a unique biometric analysis that matches relevant audio segments of a call to a pre-enrolled voiceprint.

In the 2005 and 2006 speaker recognition evaluations conducted by the National Institute of Standards and Technology (NIST) on calls containing multiple speakers, PerSay's S.P.I.D. was the only commercial off-the-shelf solution that ranked with top-scoring (but commercially unviable) language-independent speaker recognition systems developed by leading research labs and academic institutions. S.P.I.D. is currently helping fight crime in numerous installations around the world.

S.P.I.D. is based on PerSay's field-proven speaker verification platform, which provides open architecture and flexible interfaces (Web Service) that enable easy integration with any lawful interception system and monitoring center. S.P.I.D. offers

a simple Web-based GUI for enrolling, editing and administering voiceprints. With exceptional ease of integration, S.P.I.D. has been successfully deployed in leading law enforcement agencies and government offices worldwide.

Features

- Content, language and accent independent
- Single/multi-speaker call monitoring
- State-of-the-art accuracy
- Easy integration with any monitoring center

Benefits

- Enhanced operational efficiency
- Extended global coverage of intercepted calls
- Immediate, automatic speaker detection
- Increased privacy protection (focus only on relevant suspected calls)

GLOBAL SUPPORT

PerSay maintains an extensive network of partners and system integrators, including IBM and British Telecom. The company has over 60 installations worldwide and provides local support in more than 20 countries, including the U.S., Canada, Spain, Sweden, Turkey, China, Korea, South Africa, Brazil, Colombia and Australia.

Applications

Voice Mining

S.P.I.D. can be used to prioritize a series of intercepted calls based on the probability that a target speaker is a participant. Voice mining capabilities effectively monitor the communications of a suspected target and filter out all irrelevant calls, leaving only those calls with high confidence scores that are likely to contain the target's voice.

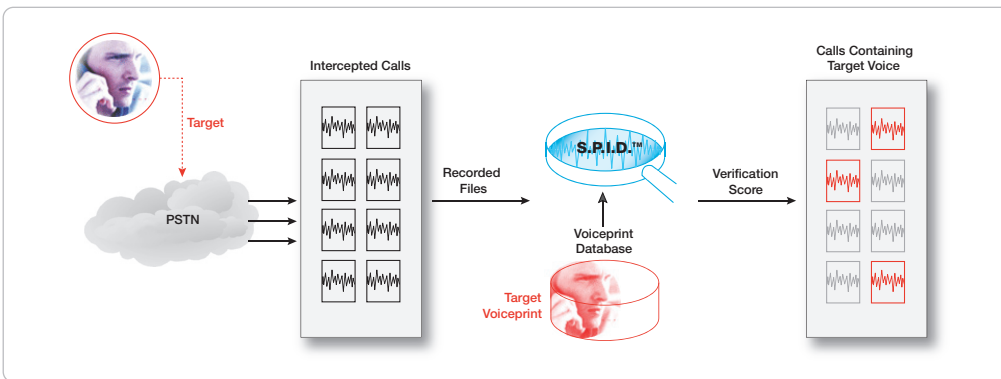
monitoring the activities of a specific target, S.P.I.D. compares the voice of an unidentified speaker in the intercepted call against a set of relevant voiceprints in the database. A confidence score is given for each voiceprint, indicating the likelihood that the voice of the unidentified speaker in the intercepted call matches one of the voiceprints. The system immediately screens out irrelevant voiceprints with low confidence scores.

Speaker Identification

When an intelligence agency intercepts a call containing incriminating information while

Markets

- Intelligence Agencies
- Government and Law Enforcement



How It Works

Intercepted calls are sent to S.P.I.D., which processes and scores them based on the probability they contain the target's voice.

Enrollment

Voiceprint enrollment requires a minimum of 30seconds of net audio (target voice), preferably collected from two distinct sessions. When using stereo files, the system can automatically extract the specified side containing a target speaker. Mono files can be manually edited to retrieve the target voice using advanced Web-based tools. When enough audio is

accumulated, the voiceprint is created and stored in a secure directory.

Verification

Verification and identification are performed by comparing audio files to a single voiceprint (verification) or a list of voiceprints (identification), detecting the participating speaker(s).

About PerSay

PerSay Ltd. (www.persay.com) is a leading provider of advanced biometric speaker verification products. PerSay's technology relies on the biometric power of voice to verify a speaker's identity. PerSay's products have been deployed by leading financial services, telecom operators, healthcare providers, enterprises and law enforcement agencies worldwide. PerSay is a spin-off of Verint Systems Inc., with offices in Tel Aviv and New York, and a network of partners and system integrators worldwide.