

## ATD: audio analytic threat detection

In large sites such as Paris metro network, video surveillance is not adapted to identify security threats in real time. ATD introduces new psycho-acoustic audio analytic algorithms to tackle this issue.

### DESCRIPTION\*

- Real time audio detection of identified threats (or situations of interest) in enclosed public sites
- Production of various alerts levels depending on the use case
- Combine psycho-acoustic analysis and advanced audio processing techniques for optimum results
- The psycho-acoustic analysis phase is done on-site by an expert
- Algorithms are not CPU/RAM intensive and can run embedded



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### TECHNICAL SPECIFICATIONS

CPU / RAM	Low requirement
Audio capture	Monitored zone must be equipped with microphones at appropriate places
Audio input quality	Low requirement, but depends on the use case

### COMPETITIVE ADVANTAGES

- Raise alerts in real time
- Overcome video surveillance weaknesses
- Less intrusive than video
- Can run embedded if required

### APPLICATIONS

- Large enclosed public sites
- Metro/train network
- Airport
- Large commercial or industrial facilities

### INTELLECTUAL PROPERTY

- Know-how
- Software

### DEVELOPMENT STAGE

- Technology validated at lab level



### LABORATORIES

- SAMOVA team



### CONTACT

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