“Let you focus on the 1% events”

Expansion of Video Surveillance
Throughout major cities of the world, there is a rapid expansion of video surveillance cameras in an attempt to improve public safety in an ever un-certain world.

The problem faced from Governments & organisations, is that it has become practically impossible for security operators to effectively monitor the multitude of live video streams from surveillance networks.

How iCetana assists!
iCetana’s innovative video analytics software meets this pressing need for the automatic and scalable detection of abnormal motion behaviour from multiple video streams in REAL-TIME. With this solution, parties with installed camera systems can react in a timely manner to monitored events rather than only providing historical records.

The software is different from other video analytics packages in that it:

- operates in real time
- automatically learns “normal” motion
- Handles complex environments
- Effectively scales across a network

Who we are
iCetana (from Sanskrit meaning “visible”) is a software development company based in Perth, WA that developed an innovative video analytics application.

The team behind iCetana consists of specialists in image processing, machine learning, software engineers, electrical engineers, security and surveillance professionals.

Our company is committed to streamlining the way that video analytics is used in public surveillance and improving the effectiveness of analytics in the real-time detection of rare and infrequent events so that response plans can be quickly initiated if required.

iCetana is supported by Curtin University and Yuwa Capital LP. The company has project partners from local Government and Transport organisations.

The technology can be directly applied to:

- Large public areas
- High traffic flow areas
- Manufacturing processes
- Military interests

How is our technology different?
The innovative software initially learns “normal behaviour” from video data from a camera’s field of view and then is able to identify and report any “weird or exceptional” movement behaviours.

Collaboration with research
iCetana has collaborated with Prof. Svetha Venkatesh and her research team at Curtin University in WA.

The team researched the mathematical techniques and designed the innovative technology for “anomaly detection in large data-sets” for which there are patents pending.

Enquiries
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