iOmniscient High iQ Analytics
See Through the Crowd
Newsletter October 2015

Bangkok Police joins with iOmniscient to counter terrorism

On August 17th this year, Bangkok was devastated by two bombs that were set off at the Erwan Shrine near the Hyatt Hotel in the city - a very crowded area. Twenty innocent people were killed and 125 were injured. The Royal Thai Police have swung into action to catch the culprits involved. In parallel they have decided to upgrade their existing systems by implementing a state-of-the-art Face Recognition system from iOmniscient.

The Royal Thai Police already had an Oracle database system of Faces of people of interest. The iOmniscient Face Recognition system was the first step in automating the use of that system. They wanted the most advanced system available in the market to support their policing efforts.

Mr. Khunpon Meksup, Head of System Architecture of Songkhla Finishing, the Systems Integrator responsible for implementing the system, said he proposed the iOmniscient system because of its comprehensiveness. The police are just beginning on their journey towards a fully Automated Response System. As they grow their own understanding of the capabilities of the technology, they are already working on new use cases that they can implement. Having a technology that can meet their growing requirements was very important. Bangkok is a very busy city and it was important to use a system that would work outdoors even in the most crowded environments. Only iOmniscient could meet this requirement.

30 PATENTS

across 10 technology families

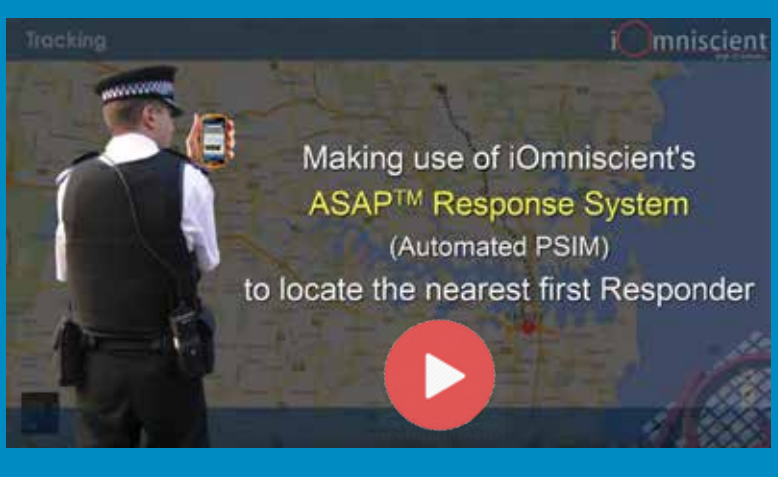
across 4 geographies

Using Video Analytics to Cope with Complex Situations

The challenge in Bangkok and in prior incidents in Boston and elsewhere was not one of just detecting an abandoned bag or of performing face recognition. The real requirement was to solve the entire problem which included detecting the abandoned bags (and potentially investigating them in time to prevent a tragic incident) and then if this was not possible to track those involved and to arrange for their arrest.

Click on this video

to see how this patented capability from iOmniscient can help Police Forces around the world address very complex situations.



Meaningful Multimedia Metadata (MMM) now feeds Oracle Big Data systems

Big data systems can analyze unstructured data from multiple sources and is very useful for understanding complex environments. However, the analysis is only based on data that is text format. What can one do about data in the form of images or video or sound or smell?

iOmniscient systems can convert the information from such systems into Meaningful Multimedia Metadata (MMM) and feed this as an input to Big Data engines. The iOmniscient system uses its intelligent analytics to ensure that the MMM is meaningful - essentially converting the video, sound and smell information to text. Meaningless metadata can put a huge burden on a Big Data system. Having good analytics is the foundation of an effective big data system and iOmniscient provides the best.

Oracle supports some of the most sophisticated Big Data engines available today. iOmniscient's MMM can now be fed directly into Oracle's system to provide it with the meaningful, multimedia inputs required for its Big Data analysis.

Upcoming Events

Smart City Expo, Barcelona

Book a Meeting

Nov 17-19, 2015

Venue: Microsoft Booth

Fira de Barcelona (Recinto Ferial Gran Via)

FREE VIP PASSES!! **FREE VIP PASSES!!** **FREE VIP PASSES!!**

Interested in attending?
Limited numbers of Free Passes are available.
Please email us your details before 18 October at
marketing@iomniscient.com to grab a free pass.

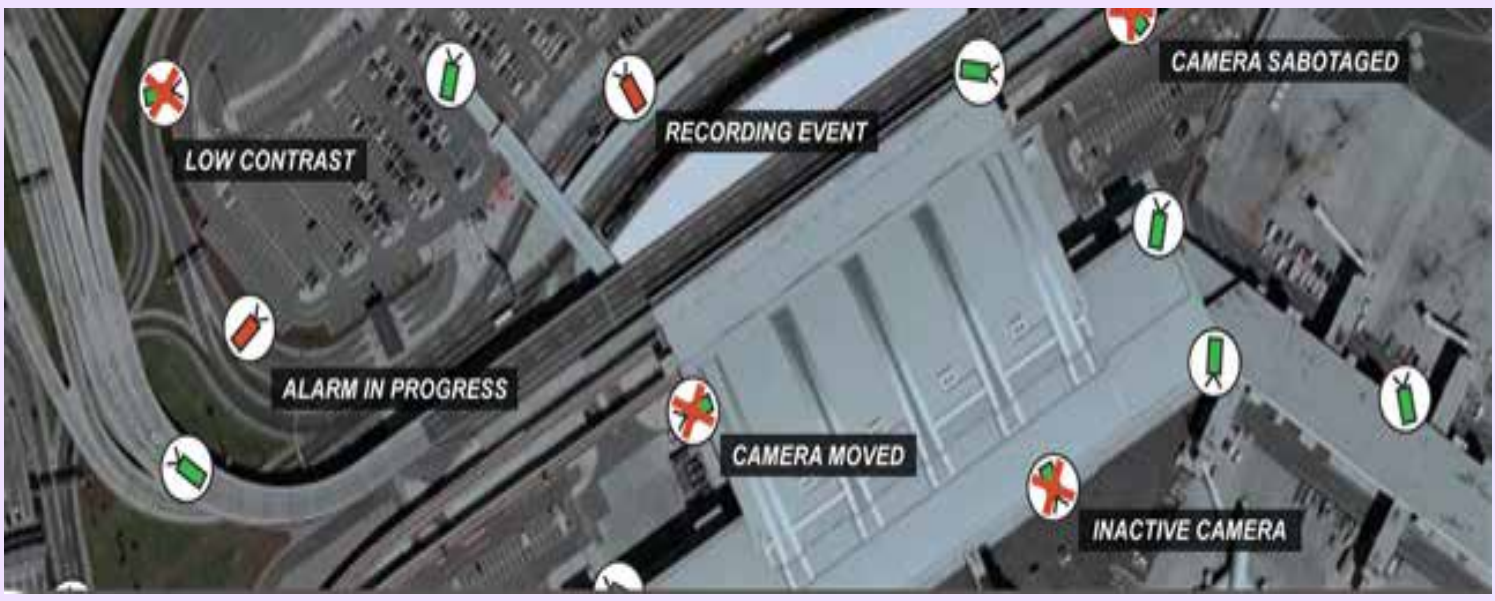
Gitex 2015, Dubai

Book a Meeting

Oct 18 – 22, 2015

Venue: Cisco Booth # Z-B40,
DUBAI WORLD TRADE CENTRE

Putting a Priority on Keeping the Entire Camera Network Operational



Most CCTV systems have a simple HealthCheck capability which raises a warning if a camera is disconnected. Despite this in any large network it is common to find that on average 20% of the cameras are not operational- but one does not know which ones these are. Often this is only discovered when there is an incident and it is discovered that the video was not captured for some reason.

iOmniscient's IQ-Healthcheck system is an inexpensive but very sophisticated tool for addressing this problem. It can raise warnings if the cameras:

- are moved
- are out of focus
- are partially or totally covered

... and even if the cameras are working well but if they have poor visibility because of rain, snow, fog or dust.

The iQ-Healthcheck system can import maps, pictures and floor plans and all the cameras can be shown on these maps as icons. Depending on the problem the icons can change colour. If the video analytics system detects an event the icon will flash and clicking on it opens a window which can show the user the incident as it occurred.

Being very inexpensive users will usually implement the system on all their cameras. It allows them to understand where all the problems are and have these addressed in a planned manner.

You will have implemented your system to address certain objectives and it would be unfortunate if those cameras that are critical to your operation are not operational just when you need them.

Winner - Global Security Challenge for Crowded Places