

Executive Summary

Profile:



Education: Tertiary Institution

- Tertiary Education
- 47,164 students and 3,500 staff
- 8 Campus in Australia
- Over 800 CCTV cameras

Key Personnel:

Graham Arndt - Curtin

(Operations and Maintenance Director)

Brian Woodman - Curtin

(Portfolio Manager - Technology and Systems)

Sean Daly - Curtin

(Security Supervisor)

Mike Springfield - Integrated Products

(Regional Sales Manager)

Goal:

- To increase the functionality and effectiveness of the video surveillance infrastructure.

Results:

- iMotionFocus has detected events resulting in a proactive responses being initiated.

iMotionFocus deployed at Curtin University's Main Campus – Bentley, WA

Operational Situation

Curtin University is the largest university in Western Australia, with over 47,000 students and 3,500 staff across 8 campuses in Australia and 2 internationally. The university has an on-going commitment to enhance safety for students, staff and visitors.

Curtin has made a significant investment in upgrading the critical components of its security infrastructure at its main Bentley campus. As part of this upgrade, iCetana's advanced video analytics was installed in Curtin's 24x7 security operations facility.



"Curtin is committed to providing comprehensive security for its students and staff. We are very happy to be using cutting-edge innovations like iCetana to help us achieve this." - Graham Arndt

Security Challenge:

A key challenge of the upgrade was to ensure Curtin's security infrastructure would provide for pro-active real-time event detection capability. Curtin's Properties, Facilities and Development team became aware of an innovative technology that would enhance their investment in their surveillance infrastructure upgrade. The system chosen to deliver this capability was iCetana's Auto-Live system, iMotionFocus. Brian Woodman explains:

"What impressed us about the iCetana solution, is that it can automatically learn, detect and highlight unusual events to our operators. This allows us to transform the way CCTV system is used from post-review, to a more pro-active tool for incident response."

- Brian Woodman

“The team from iCetana has delivered a solution that not only integrates with our CCTV and building access control systems, but also enhances the operational workflow of our security team”

Brian Woodman

Key Requirements:

Prior to implementation, iCetana and the Curtin team, conducted an extensive requirement analysis to review their current physical infrastructure, operational workflows of security staff, and any future capability requirements. The result was a comprehensive “statement of work” document to guide the implementation of the iMotionFocus System.

The key requirement was to integrate iMotionFocus with Curtin’s new IndigoVision Security Management Software. iCetana collaborated with IndigoVision’s technical department to develop a customised bridge service to pass the IndigoVision video data to the iCetana real-time analysis engine. The events generated by the iCetana system were then routed for display in the security control room using iCetana’s LiveWall application. They were also tagged and bookmarked in the IndigoVision Security Management System as well as being logged in Curtin’s building access system, Gallagher FT Command Centre platform. Finally, a number of iCetana’s client and mobile apps were deployed to enable remote viewing by authorised Curtin personnel.

Before the iCetana installation went live across the campus, Curtin’s Technology Solutions and Security teams performed internal tests to validate that the system performed and met all of the structural and operational requirements outlined in the statement of work.

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- Brian Woodman

Results:

The iMotionFocus system is now operational within Curtin's central 24x7 security operations facility. The alerts generated by the system are displayed on a dedicated 42" LCD panel. When an incident is detected, it captures the immediate attention of the security operator. Curtin's Security Supervisor, Sean Daly, acknowledged that the iMotionFocus has assisted in improving the level of engagement by the security monitoring team.

"The system has proven its utility since being installed by automatically detecting and highlighting incidents in real-time, even on cameras that were not being viewed by the operator at that time. Once alerted the operator can then engage with the specific camera and respond proactively if required." - Sean Daly

Next Steps:

The iMotionFocus system has met Curtin's overarching objective to increase the level of engagement, enhance operational workflows, and enable a pro-active mode of operation for their security team.

iCetana has an on-going commitment to Curtin University to ensure the iMotionFocus will continue to deliver on these expectations for the benefit of students, staff and visitors.

How it Works

iCetana's iMotionFocus system automatically monitors live data from video surveillance networks, to self-learn what normally happens in each camera view. It then highlights "unusual events to security operators in real-time.

The system can be readily deployed into an existing video surveillance network as a "plug-n-go" solution without the need to pre-define rules or complex configuration. iMotionFocus constantly monitors each scene and adapts its learning pattern to account for changes in the environment. This functionality enables the system to scale to thousands of cameras cost-effectively. This meets a pressing need of modern public video surveillance networks so that operators can efficiently monitor, identify, and react to any security event as it occurs.

About iCetana

iCetana Pty. Ltd. has developed a new generation "Auto-Live" system, called iMotionFocus that enables a pro-active, highly-effective, and more manageable approach to monitoring large public video surveillance networks consisting of hundreds or even thousands of cameras. With iCetana's Auto-Live system, operators are only presented the 1% of the video actually requiring real-time assessment, which dramatically reduces the problem of data overload typically experienced by operators of large-scale surveillance networks. This system has proven effective at monitoring critical infrastructure sites, public transport hubs, large education campuses, and city municipalities. For more information, visit icetana.com

About Curtin

Curtin University is Western Australia's largest and most multicultural university that is committed to innovation and excellence in teaching and research, for the benefit of its students and the wider community. Curtin's vision is to become an international leader shaping the future through their graduates and research, and to be positioned among the top 20 universities in Asia by 2020. For more information, visit curtin.edu.au

About IndigoVision

IndigoVision is a leading manufacturer of end-to-end IP video security solutions for airports, ports, rail, traffic, cities, retail, banking, mining, education, casinos, police, prisons and government. These enterprise class systems improve organisations' operational efficiency, enhance public safety and enable timely emergency response. For more information, visit indigovision.com

For more information, visit www.icetana.com

For More Information

To learn more about iCetana's Auto-Live system, iMotionFocus, please contact via email: info@icetana.com or visit: www.icetana.com