

DVTEL Case Study: Major Events / Stadiums

Quick Facts:

- ◆ First Commonwealth Games were held in 1930 with 11 nations and 400 athletes.
- ◆ At the 18th Commonwealth Games held in 2006 in Melbourne, approximately 6,000 athletes and team officials competed in 16 sports.
- ◆ DVTEL's Latitude Network Video Management System served as a Command & Control Center for the event.
- ◆ PTZ fixed cameras and all related infrastructure were installed and integrated with the perimeter intrusion detection system.
- ◆ The 350-camera system for on-site monitoring and response was managed and transmitted back to the Games Operations Center for secondary monitoring and back-up.

Commonwealth Games 2006

Background

The first Commonwealth Games (then known as the British Empire Games) were held in 1930 in Hamilton, Ontario, with 11 nations represented. A total of 400 athletes participated. The Commonwealth is a voluntary association of 53 independent sovereign states comprising 1.7 billion people—almost one third of the world's population. The Games are held every four years around the globe. The next Commonwealth Games will be held in 2014 in Glasgow, Scotland and following that, Queensland, Australia.

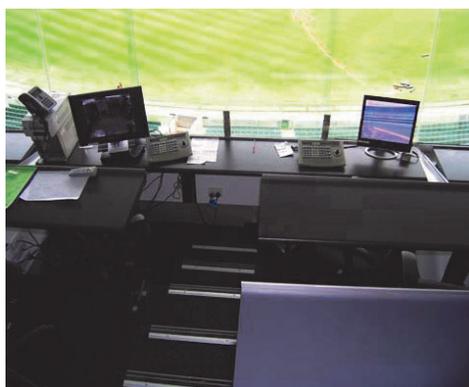
Business Challenges

Networked surveillance systems can be as complex as they are effective, and the video surveillance system required for the Commonwealth Games in Melbourne in 2006 was highly ambitious. The system required linkage to several remote sites in Melbourne and it needed to incorporate existing infrastructure and video surveillance solutions managed by a variety of corporations and government



departments. The final networked solution required several hundred cameras at more than 12 main sites to secure venues, athletes and visitors. Combining the new CCTV installations with existing surveillance systems would give organizers and security personnel unprecedented views and control during the 12 days of events. Aside from the technical, infrastructure and organizational challenges, the installation had only three months to implement—from inception to commissioning.

While the centralized location of key venues with various other cultural events taking place at the same time turned the Melbourne Business District into a center of celebration, it made planning and executing an effective security system a major challenge.



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VIDEO INNOVATION TO SECURE YOUR BUSINESS

Commonwealth Games 2006

About DVTEL INC.

DVTEL is the pioneer and dominant market player in the creation, development, and delivery of end-to-end IP video security and surveillance solutions.

Our software-based solutions create superior value for a wide range of customers by providing them a unique level of freedom to focus on what's most important—their primary strategic and business goals.

DVTEL's innovative IP-based systems collect raw data from multiple sources and turn it into actionable information. Comprehensive and timely information empowers end users to automate and improve decision-making, resulting in increased security, reduced costs, enhanced productivity and greater profitability.

DVTEL's solutions leverage existing network infrastructure while providing unmatched levels of openness, flexibility, scalability, cost-effectiveness—all backed by superior customer support.

For more information:
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The DVTEL Solution

By deploying multiple workstations in a central location, controlled by a single user interface, the DVTEL security solution was able to monitor and control remote locations. The network video management component (Latitude) basically allowed for a command and control center—the Games Operations Center.

It integrated camera surveillance of key sites including the 50-acre Athletes Village, the "Public Domain" area with the Melbourne Cricket Ground (which hosted the opening and closing ceremonies), coverage for Vic Roads (the highway authority) and the Victoria Police Center. All video fed into the Games Operations Center, where cameras were monitored and in some cases, recorded.

Latitude delivered - an operating system that enabled users to view, capture, record, analyze and report video and audio. Central to the operation of Latitude were the virtual matrix, distributed computing, recording and failover and redundancy capabilities.



Results

- ◆ Every company that submitted bids for the Games specified DVTEL's Latitude as their management software.
- ◆ During 12 days of the Games, due to a highly robust network excellent system design and superior DVTEL software, connectivity between sites and the Games Operations center was flawless—not one minute of downtime.
- ◆ During the opening and closing ceremonies, there were more than 700,000 people, thousands of performers and 600 security staff. The DVTEL Latitude VMS enabled Games organizers to run a live offsite Disaster Recovery center to provide complete failover in the event of an incident at the Village's control center. HP servers and Telstra's Cisco servers allowed personnel to "see" the system.

Integrator testimonial (Landmark Security):

- ◆ "We don't think anyone else has delivered a system like this" said Simon Langdon of Landmark Security. "Our installation used all the capabilities of the DVTEL system in terms of remote management, alarm interface and presets".
- ◆ "One of the solution's obvious strengths was its ability to leverage both the existing IT infrastructure, (at the core of every modern business), and the legacy security equipment such as analog cameras and monitors".
- ◆ "The DVTEL system gave great flexibility and allowed users to be proactive, not reactive".