



**Military grade technology deployed to protect Gautrain's rail**

***C3's technology selected after performance based shoot out***

**Gauteng, March 2010** – C3 Shared Services (Pty) Ltd has been appointed by Bombardier to supply and install a combination of two military grade technologies, namely Opgal's thermal cameras combined with iomage intelligent video analytics, to monitor the tracks and tunnels of the Gautrain rail.

Due to the emphasis on a very high level of security along the Gautrain rail and in the tunnels, the main criteria was to select a combination of technologies that shall provide detection of human targets even in no light conditions. Opgal's thermal cameras combined with iomage intelligent video analytics were selected for their high probability of detection and low false alarm rate. This decision was not taken lightly and was only decided upon once rigorous and extensive testing had been conducted between different brands of thermal cameras and video analytics. The test results were then sent over to France for final scrutinizing, which was based on the performance of the technologies to comply or excel the high criteria of user requirements set by Bombardier as part of their security methodology.

C3, specialists in the design and implementation of high-end perimeter security solutions and military grade intrusion detection systems, was appointed as the preferred vendor. Nick Grange, technical director of C3 says, *"We are honoured to be appointed to supply and commission our solution for such a prestigious and important project. Once again it is proved that the higher sensitivity of the detector and higher resolution combined with a faster frame rate makes the Opgal cameras a superior product which is hard to beat by the competition"*. Nick Grange goes on to say, *"Our cameras also had the leading edge over the competition because of the wide range of lens selection available which was necessary due to the nature and layout of the gautrain track"*.

To date, C3 has had enormous success with numerous installations of thermal cameras combined with high performance video analytics at various sites in South Africa including residential estates, refineries, correctional facilities and National Keypoint's. Brendon Cowley, business development Director of C3 says, *"It is of tantamount importance, that when implementing this type of technology, a very high level of expertise and experience is required. C3 has been implementing this particular security solution at numerous high risk and high value sites throughout Southern Africa with great success and we look forward to providing the Gautrain Project with the same level of commitment and expertise"*.

The C3 solution shall integrate with Bombardier's high-tech video management system enabling operators of the system to monitor unauthorized access to the rail and making it a much safer environment for both Gautrain personnel and commuters alike.

**About C3 Shared Services (Pty) Ltd:** C3 Shared Services (Pty) Ltd is the only applied business partner for ioimage and Opgal Optronics in Sub Saharan Africa and specializes in the design and implementation of high-end perimeter security solutions and military grade intrusion detection systems. C3 Shared Services' directors have been involved in providing integrated electronic solutions for more than a decade; and as a result bring both a comprehensive and extensive wealth of knowledge in providing effective and working perimeter security solutions for high risk and high value areas. To date, C3 Shared Services (Pty) Ltd has had enormous success with numerous installations of thermal cameras combined with high performance analytics on various sites in South Africa such as residential estates, refineries, correctional facilities and car showrooms. For further information visit <http://www.c3ss.com/>

**About DVTel:** DVTel's unified intelligent Security Operations Center (iSOC) V6 combines Longitude IPAC, Latitude Network Video Management (NVMS), ioimage video analytics intelligence, as well as other powerful management modules to create a rich integration platform that offers a single, highly intuitive graphical user interface. iSOC V6 is the only open standards, IP-based security management center that unifies all video, audio, data, access control, trend analysis and alarm management functionality into one enterprise physical security center. DVTel offers a complete line of security level IP cameras to complement the complete solution and is also integrated with hundreds of cameras from multiple manufacturers.

Our unified solutions leverage existing network infrastructure while providing unmatched levels of flexibility, scalability, cost-effectiveness—all backed by superior customer support. DVTel is a proud member of both ONVIF and PSIA. We are the solution of choice worldwide for mission critical and enterprise level installations and our systems are found in thousands of installations around the globe. For more information, go to [www.dvtel.com](http://www.dvtel.com). To follow on Twitter – go to [twitter.com/DVTel\\_Inc](https://twitter.com/DVTel_Inc).

**About Bombardier Transportation:** As a member of the Bombela Consortium, Bombardier Transportation has been contracted by the Gauteng Provincial Government of South Africa to provide an 80-kilometre (50-mile) rapid rail transit system to connect Johannesburg, Tshwane (Pretoria) and the OR Tambo International Airport. With service to commence in 2010, Bombardier is responsible for designing and supplying the core electrical and mechanical systems. This includes a fleet of 96 *ELECTROSTAR* vehicles, as well as 15 years of maintenance services. For further information visit <http://www.bombardier.com>

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