

## 2010 FIFA WORLD CUP SOUTH AFRICA – WE WERE THERE!



The 2010 FIFA World Cup in South Africa was an event that surpassed all previous South African sporting events in its history. **ITS Engineers** are proud to have been one of the South African companies that contributed to the successful hosting of the world's most widely viewed sporting event.

During the run-up to, as well as during the actual event (11 June – 11 July 2010), **ITS Engineers** were actively involved with transportation, planning and management in the cities of Johannesburg, Mangaung / Bloemfontein and Rustenburg.

*“ITS was entrusted by 3 of the 9 Host Cities with planning and managing the transportation logistics for 27 of the 64 World Cup matches with a specific focus on the transportation of spectators. It was a daunting task which required, amongst other things, skill, commitment, sacrifice and understanding”, says Charles Ntuli, ITS Engineers’ Chairman.*

Public transport formed the core of the transportation system during the event. The quality of the transportation operations was viewed by many spectators as a world class system, which consisted of the Rapid Rail System (Gautrain), Bus Rapid Transit (BRT), Metrorail, the ‘Park and Ride’ system (supported by the taxi industry and Metrobus), the ‘Park & Walk’ system and Non-Motorised Transport. The Park & Ride system accommodated 25% of all Johannesburg spectators; the Park & Walk 17%; BRT 10% and Rail 11%, respectively.



**ITS Engineers** successfully ensured that the various transport modes were effectively integrated during the event, through a planning process which commenced in 2008. Suitable management strategies during the event resulted in the safe and incident free transportation of spectators.

Being the only host city with 2 soccer stadiums used for the matches (Soccer City & Ellis Park), the city of Johannesburg transportation system presented special transportation management challenges. Johannesburg's hosting of the opening match, the quarter-finals and the final as part of

the 15-match schedule, contributed further to the challenges. In Johannesburg, the attendance at these 15 matches was in excess of 1 million spectators (out of the 3,1 million total for all host cities).

**ITS Engineers** applied a number of innovative solutions, both from a planning and event management perspective:

- Demand Models were developed to estimate the expected number of spectators, as well as envisaged travel patterns.
- The road network capacity of the Soccer City precinct was determined to provide guidance to the maximum number of private vehicles allowed into the Park & Walk sites.
- Intelligent Transportation Systems were implemented to assist with the management of large crowds during match days by means of :
  - Temporary GSM-based CCTV cameras at key locations, such as Park & Ride sites
  - Mobile Variable Message Signs (VMS) which were used very effectively, such as during the strike action from the BRT bus drivers, to inform the spectators to use the rail network as an alternative mode of transport
- Specialised loading techniques were formulated to ensure smooth operations and minimum waiting times at the pick-up points for spectators after the matches. These pick-up points proved to be the most problematic component of the system, as it was crucial to ensure that spectators were transported as quickly as possible to the Park & Ride site late at night on completion of a specific match. In excess of 10 km of pedestrian crowd control fencing was deployed at the 2 stadiums to assist with this process. Operations proved to be very successful, with spectators experiencing an average waiting time of between 17 and 27 minutes to board the shuttle buses/ taxis after the matches.

**A Message from the Chairman of the Board of Directors, Charles Ntuli:**

*“The 2010 World Cup will go down in the history of South Africa as one of the most prominent success stories, not only in terms of the operational aspects associated with hosting the event, but also in terms of nation-building as proud South Africans. Transportation was identified as one of the key legacy components of the 2010 World Cup and we are delighted to be part of the team that contributed to the implementation of the public transport legacy. I extend my gratitude to all who were involved in making the event an outstanding success and an excellent showcase for South Africa and a shining example of Africa’s expertise.”*