

## **Dimension Data and EES in partnership on 2014 Brasil World Cup stadia**

EES (Cape Town, South Africa) and Dimension Data (South Africa and Brasil) have been formally appointed by the builder and operator consortium in Fortaleza Brasil to oversee aspects of the 2014 Brasil World Cup stadia design, and build criteria that ensure compliance with FIFA specifications.

These include Mass Access Control, CCTV Security, Audio-visual Network Capacity, Broadcast Network and Data Facilities, Wifi, Network and Structured Cabling Provision.

The appointment includes the phases:

1. Technical design review (FIFA compliance) - completed
2. Tender adjudication (Technical) - completed
3. Construction/site monitoring through to commissioning process – in progress

Dimension Data and EES have significant experience in designing and project managing the provision of Information and Communication Technology (ICT) solutions to the built environment.

EES occupied the lead role in the special systems and electronic infrastructure design of two of the 2010 Soccer World Cup Stadia in South Africa, these being Cape Town Stadium and Nelson Mandela Stadium in Port Elizabeth.

And through a rigorous tender process Dimension Data was awarded the contracts to supply and install all electronic systems and infrastructure to the same two stadia, including several systems in four of the other World Cup 2010 stadia.

The experience and knowledge gained from the professional design, management and technical implementation in the construction of these facilities, is being used to develop the intelligent infrastructure for the Brasil stadium.

The Dimension Data and EES collaboration is an advisory capacity for a consortium comprising two parties – the owner who is the government of Brasil, and the builder and operator consortium. Of the completed phases (namely the design review and procurement adjudication), Leonardo Nogueira, Senior Business Development Manager, Dimension Data Brasil says: “The procurement process involved working with the builder to select suppliers and contractors in accordance with ten adjudication criteria, including compliance with FIFA specifications.

“It also entailed a thorough review of all design drawings and specifications, with a view to identifying and ensuring how value is derived for the owner, with legacy requirements of the building in mind.”

A fulltime project engineer from Dimension Data in Brasil has been on-site since June, and an experienced World Cup 2010 site manager from Dimension Data in South Africa is expected to take up a second post in August. EES will manage design integrity, design queries and associated workshops with the appointed ICT contractor.

The technical teams working on the 2010 World Cup stadia in South Africa were made up of dedicated contractors and professional staff across many stakeholders, who together produced world-class, highly functional ‘intelligent venues’ which successfully met the needs of the World Cup.

Commenting on this Bradley Hemphill, Managing Director of EES, stresses the importance of sustainability of stadia, and the need for them to generate ongoing profitability to leave a viable, practical legacy post World Cup.

“There has been significant debate and disappointment in South Africa regarding the legacy use and viability of maintaining certain stadia,” he says. “With an intelligently designed electronic backbone and network infrastructure throughout the building, its functionality no longer needs to be limited to stadium events. The building space can potentially be rapidly developed into an office, hospitality or retail environment.”

While stadia are invariably built or upgraded to accommodate specific international sporting events and must without doubt meet all requirements of the events, an intelligent stadium should be able to provide broader functionality for a variety of commercial and business operations going forward so that it can readily be made a daily workable functional node in the city.

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#### **Electrical Engineering Solutions (EES) company profile:**

Electrical Engineering Solutions (EES) is an ISO 9000, professional services company, offering engineering, project management and business management services in all sectors of industry throughout Africa and other emerging markets.

It is a leader in project managing the provision of Information Technology (IT) solutions to the built environment. Integral to its business is intelligent infrastructure, the implementation of which entails the convergence of IT and Building Automation Systems (BAS).

A benefit of intelligent infrastructure is that it facilitates energy management, thus contributing to the urgent global objective to establish a green environment. EES is a member company of the Green Building Council of South Africa.

The firm is proud to have played a significant role in the 2010 World Cup in the special systems design of five infrastructure projects: Cape Town Stadium, Nelson Mandela Bay Stadium in Port Elizabeth, Cape Town International Airport, King Shaka International Airport (KSIA) north of Durban and the Gautrain Sandton Station.

Based in Cape Town since 2001, the firm also has specialist experience in communication networks and related IT, security systems and 11kV and 400V electrical systems that support intelligent infrastructure.

[www.eeslive.com](http://www.eeslive.com)

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