

New stadium meets international communication requirements

The new multipurpose Mbombela Stadium in Nelspruit, purpose built for the FIFA 2010 World Cup, will have a voice, data, cabling, satellite master antenna television and computer network, as well as printing and server solutions.



The tender to provide these systems was awarded to Bytes Communication Systems, with Watson Mattheus in association with WSP Consulting Engineers, as the consulting engineers.

Stringent technology requirements were set by FIFA. The stadium also has specific technology needs to enable it to provide international standard services to visitors, such as always on access to a variety of communication solutions, as well as broadcasting capability. The multimillion-Rand project is in the final stages of implementation, and will be completed well in advance of the World Cup to allow adequate time for testing.

Systems

The company is installing the Alcatel-Lucent OmniPCX Enterprise solution as the basis for the network. This is an integrated, interactive communications solution set that combines both traditional and Internet-based telephony to deliver a full multimedia communication suite on a single platform. The data network is made up of a redundant solution with core switches and edge switches to provide flexible, scalable edge switching with gigabit speeds.

"We are pleased to have been awarded the tender for the converged communications network on this project due to our national support capability and ability to provide turnkey solutions for our clients," says George Isaacson at Bytes Communication Systems. "The company is able to provide all aspects of technology for the stadium, in conjunction with strategic partners, and meet the stringent requirements of the project. We also pride ourselves on our ability to provide added value through our services."

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