

## **POWERSOFT Amplifiers at International Convention Centre Durban - MAY 2007**

Located in the port city of Durban South Africa, the ICC Durban was originally built just over 10 years ago, and has since hosted various international conventions, including the International Aids Conference in 2000.

Moveable walls allow for a number of different venue configurations, including the option for the halls to be opened up to form one large venue with seating for 5000 delegates.

In celebrating it's 10<sup>th</sup> anniversary, the ICC Durban launched the new extension to their facility – the Arena. As a multi-purpose platform for international events, the Arena is able to offer the perfect staging for any occasion. The Arena also consist of three halls – each hall having the capacity to be sub-divided into separate rooms. The venue is a multifunctional arena, which is designed in such a way that it is flexible enough to host events such as theatre and live performances, indoor tennis, wrestling, gymnastics, equestrian events and even motocross.

With such a wide variety of activities to host, the audio design required the same flexibility.

The tender for the design, supply and installation of the Audio/Visual system was awarded to TDC Africa (Pty) Ltd – a South African company with offices in both Johannesburg and Durban, and with an impeccable track-record for large-scale audio and visual installations within Southern Africa. TDC Africa partnered up with Prosound (Pty) Ltd – one of the largest professional audio and lighting companies within Sub-Sahara Africa, established over 35 years ago. Prosound has also been involved in the design, supply and installation of some of the largest professional audio installations within Southern Africa, including the landmark Sun City entertainment complex.

TDC Africa has been using Prosound (Pty) Ltd extensively as it's 'technology partner', as a supplier and a service provider. Prosound's involvement with this project was based on two levels: The design and supply of audio/visual systems to the extensions, and also the design, supply of equipment and engineering capabilities provided by it's Hire department for the official opening of the arena.

Peavey's MediaMatrix audio processing system was used as the main control and processing system for all the audio feeds, with distribution of all audio over Ethernet, via a number of fibre links in the venue.

The PA system within the exhibition halls is a distributed overhead design consisting of Electro-Voice loudspeakers, with each loudspeaker being driven by its own power amplifier channel. The amplifiers used were the new Powersoft Digam Q-series, with remote control option installed into the amplifiers. A total of 4 equipment racks were installed at various points in the roof service area of the Arena, each rack filled with a number of Powersoft Q-series amplifiers as well as PowerSoft Power Control Hubs.

### **Total Powersoft amps used:**

- **24 x Q3002 power amps**
- **43 x Q3204 power amps**
- **7 x TU-4 insulation unit**
- **15 x Powersoft Control Hub**
- **Powersoft Remote control & Monitoring Software**