

## **Electro-Voice loudspeakers solve audio challenges at Leicester City Football Club**

- ▶ Electro-Voice EVC and EVID loudspeakers provide uniform coverage across the challenging shape of Leicester City Football Club's conference room
- ▶ Asymmetrical dispersion of Electro-Voice EVC-1122-VI variable-intensity design creates defined coverage area with consistent SPL
- ▶ Electro-Voice EVOLVE 50 portable column speaker systems deployed for special events requiring extra-high SPL and extended bass
- ▶ DMX Productions designed a creative solution that allows operational simplicity

**Leicester UK, August 2019:** Just as Leicester City Football Club's historic 2015/16 Premier League win transformed the 111-year old club's fortunes, the quality of presentations at the King Power Stadium has been similarly revolutionized by the superiority of a new Electro-Voice sound system installation.

The big task for Birmingham-based installer DMX Productions was to achieve uniform coverage of the challenging shape of Walkers Hall, which is used for presentations and conferences. The clear solution was Electro-Voice's EVC-1122-VI loudspeaker with its unique variable-intensity configuration that evenly covers a clearly defined rectangular area.

"The variable-intensity technology gave us exactly the right amount of gain shading to cope with the change in room height, and the uniform coverage that we set out to achieve," DMX Productions' SJ Grevett explains.

Eight white EVC-1122-VI cabinets form the main solution, mounted near the ceiling of the 3.9m-high void space. These are supplemented by 16 Electro-Voice EVID 6.2 wall-mounted loudspeakers. The high loudspeaker count further contributes to even coverage at moderate sound levels, yet ensures plenty of headroom when needed.

"SPL measurements confirmed that coverage is really even, with only 2 to 3 dB difference in level anywhere in the room," Grevett states. "In every room

configuration – end-on, or with stage either at right or left such as for the players' awards – a presenter can roam with a radio mic, even directly underneath a loudspeaker, and there's no risk of feedback."

LCFC technical manager Tom Brown agrees: "I'm really pleased with the way the EVs cover the whole of the Walker Hall, it's totally seamless no matter where you are in the room, and the speakers look and sound great!"

A further two spaces – a bar area and a conference room – are fitted with ZX1i loudspeakers (in white), while a set of EVOLVE 50 portable column speaker systems is always available for special events requiring extra-high SPL and extended bass.

"I'm very happy," concludes Grevett. "The acid test for us is when the visiting engineer prefers to use the house system to get a better result – that speaks volumes!"

### **Electro-Voice equipment list:**

#### **Walkers Hall**

8x EVC-1122-VIW 12" variable-intensity loudspeakers (white finish)  
16x EVID 6.2 dual 6" loudspeakers  
1x CPS8.5 8-channel class-D amplifier  
2x PA4150L 4-channel amplifiers

#### **Bar area**

4x ZX1i-90W 8" full-range loudspeakers (white finish)  
1x PA2450L 2-channel amplifier

#### **Weller conference room**

6x ZX1i-90W 8" full range loudspeakers (white finish)  
12x EVID 6.2 dual-6" loudspeakers  
3x PA 4150L 4-channel amplifiers  
2x EVOLVE 50 portable column speaker systems

#### **Links:**

DMX Productions: <http://dmxproductions.co.uk/>

LCFC: <https://www.lcfc.com>

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