

Tim Hortons Field

Designed by Dave Clark Consulting and Arthur Skudra
Installed by A/V Systems of Mississauga, Ontario



When the Ontario region surrounding Toronto was named as the host of the 2015 Pan American Games, the entire region began preparations. To host soccer games, a new facility, Tim Hortons Field, was erected in the city of Hamilton. The multi-purpose facility sits on the former site of the venerable Ivor Wynne Stadium, home to Hamilton's Canadian Football League (CFL) franchise, the Tiger-Cats.

Challenges

- Creating a sound system to meet the exacting standards of both FIFA (soccer's governing body) and the CFL
- While high output was needed for crowd control and urgent public PA messages, pattern control was crucial to keep sound from spilling over into the nearby residential area

Solution

After reviewing the stadium's SPL requirements along with the mounting locations for the loudspeakers, it was clear to Fulcrum Acoustic co-founder Dave Guinness, working with project consultant Dave Clark, that the project required a higher-output solution than was currently available. To meet the need, Fulcrum created a brand new product, the AH463, a higher-output version of the AH family noted for its high sensitivity, high power handling, exacting pattern control and compact footprint. 16 AH463 bi-amplified boxes were mounted to the four lighting towers atop the east side stands. Four more were installed above the upper press box area on the west side for long throws down into the bowl. Seating areas shadowed by the stadium's architecture were covered by AH65fp and AH69fp fill speakers with coaxial horn systems specifically based on the stadium's directional requirements. Finally, 16 Fulcrum CX1295 speakers were installed on cantilevered yokes to cover two levels and eliminate the need for an entire row of speakers on the stadium's west side. The efficiency of AH products helped minimize the number of amplifier channels required for the project.

Project Details

Location

Hamilton, Ontario, Canada

Category

Sports (stadium)

Project Type

24,000-seat outdoor stadium

Fulcrum Products

- (16) AH463 High-Efficiency, Full-Range Coaxial Horns, 60° x 30°
- (16) AH65fp High-Efficiency, Full-Range Coaxial Horns, 60° x 45°
- (4) AH96fp High-Efficiency, Full-Range Coaxial Horns, 90° x 60°
- (16) CX1295 12 inch Coaxial Speakers, 90° x 60°

Supporting Products

- QSC Power Amplifiers
- 64-Channel Q-Sys Core Processing by QSC

