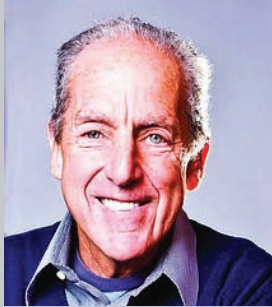
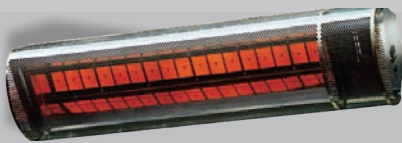


Schwank Case Study: Schwank creates a winter oasis in the heart of Kansas City



“The infrared heating system provided by Schwank, completes our Live Plaza and allows us to offer a winter oasis in the heart of Kansas City.”

David Cordish,
President,
The Cordish Companies



Equipment

sportSchwank
ThermoControl Plus BMS System

Facility

25,000 square-foot outdoor venue

Results

- Provides sensible comfort during cold weather to up to 8,000 attendees



The Facility

The area, near downtown Kansas City needed help. The area started to decay in the early 80's, and while the action moved to malls in the suburbs [a typical urban story], the city had serious problems, including tumbleweeds blowing down the street after 5 p.m.

A turning point for the rejuvenation of downtown Kansas was the successful launch of the Power and Light District by the Cordish Group. The district covers a total area of 603,000 square feet, and occupies more than nine blocks. The development includes a large theater, several chain restaurants and bars, and “The Live Block Plaza”, an outdoor entertainment area hosting up to 8,000 attendees.

At the heart of the Power & Light District is Kansas City Live!, a one block area devoted to live music and entertainment venues. At the center is a covered outdoor plaza used for concerts and other events.

The Issue

The challenge was to provide comfort heat during cold weather to the spectators in the Live! Plaza, a 25,000 square-foot outdoor venue covering an entire city block in downtown Kansas City.

Schwank installed an outdoor heating system that creates a 20 degree temperature rise for the City Live! area, and in particular the area covered by the overhead canopy. Schwank's complete solution included heaters and controls required to provide uniform heating coverage.

Schwank
INNOVATIVE HEATING SOLUTIONS



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Implementation

The heating system included fifty six sportSchwank heaters, mounted beneath the canopy covering the Live! Plaza, several temperature sensors, and a ThermoControl Plus unit, Schwank's proprietary infrared control system.

Schwank was the first heating system installed directly under a light weight, single skin membrane ETFE roof system [Ethylene TetraFluoro Ethylene]. The structure measures 29,000 sq.ft. and rises 80 ft. off the ground. The roof was the first installation of its kind in the United States.

sportSchwank, the world's most energy efficient outdoor infrared heater, was the only heater capable of providing sensible comfort to the Live! Plaza outdoor areas.

Results

The KC Live Stage hosted a first New Year's party in January, during an evening when the outdoor temperature dropped to 30°F. Sportschwank heaters were turned on and almost immediately spectators removed winter coats and enjoyed the party in comfort. A winter oasis was created.

Today, live entertainment is a frequent happening on the KC Live! Stage, including a winter concerts series and special events throughout the year.

The development of the Power & Light District was instrumental in revitalizing Kansas City's downtown.



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