

WKBD TV

Dearborn, Michigan · Television Station · System Integrator: McKenna Heating and Cooling



THE CLIENT

WKBD TV / WWJ TV's studios sit in the Detroit metropolitan area and cover 56,000 square feet, including a 10,000-square-foot technical center. The station has been an industry leader for over thirty-five years and helped launch both the Fox Network and the United Paramount Network (UPN).

THE CHALLENGE

WKBD's front-end computer was frequently crashing and shutting the system down. A live-broadcast studio demands an extremely reliable system with zero equipment downtime, plus accurate real-time equipment status so redundant cooling can start to protect broadcast hardware. With a staff of over 200, WKBD also needed comfortable, individually scheduled heating and cooling.

THE SOLUTION

A Circon building automation system was chosen for its ability to integrate systems and expand in future. Multi-vendor products are monitored on a single control network, and the live studio is controlled and monitored through Visual Integrator software — a graphical user interface — to avoid any possibility of a shutdown. The open architecture provides a foundation for future lighting, security, and card-access control.

“There has been a 20% reduction in electrical consumption for the first quarter of 2001 from the first quarter of 2000, with increased occupancy.” — Steve Juengling, Building Facilities Coordinator, WKBD TV.

HIGHLIGHTS

- Full-featured, open and interoperable building automation system
- Reliable control for a live-broadcast, zero-downtime facility
- Real-time status starts redundant cooling to protect broadcast hardware
- ~20% reduction in electrical consumption with increased occupancy
- Circon Visual Integrator™ for complete graphical monitoring
- Custom, point-and-click graphical user interface
- Multi-vendor control products
- A platform that facilitates future expansion

SYSTEMS & COMPONENTS

- Circon programmable HVAC controllers
- Circon terminal-unit VAV controllers
- Circon Site Management Controller
- Circon Visual Integrator™ software
- Belimo and Honeywell valves & actuators
- BAPI/MAMAC sensors; GE Fuji variable-speed drives

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