

do in-house production as good as any I've ever seen," Warrington offered.

Equipment, System Comments

Rather than have an engineer eat up valuable hours on an inoperative piece of gear, Warrington gets the manufacturer involved. "Some manufacturers are terrific. Harman is incredibly supportive. The folks with Crown and BSS have visited the site at every request. They've been available by phone for whatever level of support we needed. Yamaha has been very generous with help and support, as well."

Furthermore, he affirmed that the Stadium system is "unique from the top down. In the 14 stadiums I've worked, I've never seen this level of technology jammed into one stadium." Comparing smaller venues, he said, "We'll often have a small LAN [local area network] on which we circulate a little bit of CobraNet and control signals for amplifiers, for example. But, in this stadium,

it has gone from three or four switches to being 20 or 30 switches. And everything is interconnected with fiber. It's really amazing.

"Another thing I thought was unique, and that we're seeing more and more of, is that the audio transport in this stadium is being transported over fi-

ber. The amount of fiber in this job, just for the audio and video systems, is mind-boggling. And when you add in the telco [phone-related technologies] and data, it's unbelievable."

He added that there's an extensive commitment to the SMPTE fiber camera connections. Almost all the audio

transport from the broadcast boxes to the AV hub up to the audio control room is fiber. And summing up getting the AV project done on time, he declared, "This project was run well ahead of schedule."

Now let's look at what's provided within 1.25 million feet of copper and

fiber optic cabling. "That's at the heart of what we're providing and getting installed in an orderly fashion," declared Pat McConnell, a senior project manager from AVI-SPL's Columbia MD office, who managed and provided technical support for the Yankee Stadium broadcast cabling systems. He pointed

out the systems structure that fit the Stadium. The local broadcast structure includes the stadium parking, perimeters for son

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Furthermore, i time and provides tions. They can in els that allow sig out the entire S camera locations ers' commentary the systems acco broadcast rights The cabling i house scoreboa ductions. Those as throughout tl live shots of fans on the video. "S most an enterca observed McCo support for Int

CMS Innovative Consultants

CMS Innovative Consultants, an audiovisual and acoustical consulting firm with offices in Melville NY, London, England; and San Mateo CA, contributed to the new Yankee Stadium, designing audiovisual systems for administrative areas, specifically boardroom and conference center spaces, as well as the Cooperstown in-Stadium museum. New York-based systems integrator Real Time Services executed the designs. Michael Schuch, Principal, CMS, was point man for the Yankee project.

Key to the boardroom system was videoconferencing, specifically a Tandberg Codec 6000 MXP and associated gear, along with a Sony EVI-HD1 videoconference camera. Schuch noted, "In the boardroom, we custom designed lighting fixtures with the architect and the client as pendants, because we had a 20-foot-high ceiling and a very challenging acoustical environment. With the three custom pendant fixtures, a speaker is integrated into the bottom, so the speakers are lower and closer to the people at the boardroom table." Speakers in the room are Bose.

The boardroom is also equipped for video projection. A Sony VPL-FW200L projector illuminates a Stewart Filmscreen 123-inch-diagonal fixed projection screen featuring Firehawk material. According to Schuch, "There are no motorized screens; it's integrated into the wall. And the projector is hidden in custom millwork." He also added, "The Yankees are very exacting, so they had input

every step of the way."

Projection was crucial to the Cooperstown in-Stadium museum, which boasts a 14-foot-wide by seven-foot-high rear-projection blended image featuring video of Yankee legends and history. CMS opted for a Stewart Filmscreen AeroGlas 70 screen with adjustable projector mounts. Video is from Christie, specifically three DW4Kc 3-chip DLP digital projectors. The room features Crestron control, centered on the PRO2 professional dual bus control system.

CMS was responsible for handling a pair of kiosks, as well. "One of them is called The Ball Finder," explained Schuch. "They have hundreds of balls on display in the museum. And, when you go up to the kiosk and punch in the information, it leads you to a grid so you can actually see the ball. That kiosk is informational." He dubbed the other The Locker Room Kiosk. "You can punch in your name and it will talk to an LED read-out ticker above a locker. So, you can take a photo while you're standing in front of a Yankee locker with your name on it."

The room, which is dense with technology, also features JBL Control 24CT ceiling speakers, Extron 8x8 ultra-wideband matrix switchers and Sony displays.

For more information, go to www.cmsav.com.

—Dan Ferrisi

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