



The Computerworld Honors Program

Honoring those who use Information Technology to benefit society

Final Copy of Case Study

YEAR:
2012

STATUS:
Laureate

Organization name:
University of Oklahoma Health Sciences Center

Organization URL:
OUHSC.EDU

Project Name:
Classroom Bluetooth Audio

What social/humanitarian issue was the project designed to address? What specific metrics did you use to measure the project's success?

Hearing Impaired Student (requires hearing aids for day-to-day living).

Please describe the technologies used and how those technologies were deployed in an innovative way. Also, please include any technical or other challenges that were overcome for the successful implementation of the project.

We used existing classroom infrastructure via AMX breakout box to Touch Screen control. Connected audio out from Polycom HDX 9002 to breakout. Using the audio out on the AMX Touch Screen, we connected a Bluetooth transmitter which can transmit to the student's Bluetooth receiver and her hearing aid. This solution can be used for one or many connections for students requiring audio reinforcement. We ran wire connection from Polycom Audio out to AMX breakout box to get audio to Touch Panel located at classroom lectern, in the front center of the room, for maximum coverage. Connection from AMX breakout to Touch Panel is made via Cat. 6 cable.

Please list the specific humanitarian benefits the project has yielded so far.

Student can comfortably hear all classroom material being taught, whether it be far and near Distance Learning sites, computer or DVD audio content.

Please provide the best example of how the project has benefited a specific individual, enterprise or organization. Feel free to include personal quotes from individuals who have directly benefited from the work.

Student no longer needs to strain or ask professor to repeat during class. It has made the learning process much easier for the student to hear all classroom-related content. The solution has helped both with local audio reinforcement as well as with distance learning connections.