![Atlona - Connecting Technology logo]

VILLAGE OF KEY BISCAYNE
COUNCIL CHAMBER AV UPGRADE

When the Village of Key Biscayne commissioned an AV system upgrade for their Council Chamber Building they insisted on integrating the best quality and most reliable electronic equipment available. BIS Digital of Ft. Lauderdale integrated Atlona CLSO Switchers and HDVS-150 Switcher Extenders as part of this streaming, presentation and BYOD showcase for public involvement.

Five HDVS-150-TX Switcher Extenders are placed at the dais for HDMI and VGA connectivity while a CLSO-824 is located in podium for presentation control.

Courtesy of BIS Digital

Anyone who knows southern Florida is familiar with the scenic and upscale village of Key Biscayne. Nestled on an island in Miami-Dade County, south of Miami Beach and east of Miami, the cozy berg has a population of around 13,000 and boasts world-class luxury residences and resorts.

In keeping with the feel of this high-end neighborhood, the village council commissioned an upgrade to its Council Chamber building, which had fallen behind the times in its use of AV technology for civic meetings, presentations, and other activities and events. The makeover was important to enhance the capabilities of those making presentations, as well as for those in attendance or viewing from home via live stream or public access TV.

The point person for this project was the Village of Key Biscayne's IT Director Michael Fleming, who explains the village's need and approach for the upgrade.

"The City Council is an important hub in our community, a place where residents can exchange ideas and make the decisions necessary to maintain and improve our way of life," said Fleming. "This was a significant project with a good budget and the mandates to create the best possible environment for those meeting here in person, as well as to create a closer connection to those watching the proceedings from their homes or remote locations."

Fleming worked with BIS Digital of Ft. Lauderdale, its integrator on the project, to bring the ambitious project to completion. BIS explained that this client insisted on integrating the best quality and most reliable electronic equipment available.

"We've always opted for those products which represent the best combination of quality and value," said BIS. "We've had a history of success with Atlona and it made sense to integrate their products here."

Creating a Council Chamber Befitting the Village of Key Biscayne

The Village of Key Biscayne City Council Chamber is adjacent to the village's fire station. It is comprised of three spaces, the main chamber bookended by a control room and production studio on either side. No detail was overlooked in the quest to produce the highest quality video content at the facility, including the decision to paint the chamber a light baby blue to generate the sharpest, cleanest images possible on the chambers' monitors and residents viewing screens.

In the chamber, the BIS team updated the dais to accommodate nine to 12 counsel seats, five with AV connectivity via HDMI or VGA and audio inputs to enable the sharing of content from laptops, tablets or smartphones to the room's two projectors, as well as to the online streams and public access broadcasts. In the future, confidence monitors may be added to the dais to further aid presenters.

In the control room and production studio, the upgrade created a "mini C-SPAN" that enables gatherings held in the facility to be shared with remote audiences in a very sophisticated manner. The

Courtesy of BIS Digital

spaces feature top-of-the-line electronic equipment from manufacturers including a Biamp AVB digital audio processing and AVB sound systems, Sony Z700 HD SDI Cameras, HD 1080p TVs & NEC projectors, Datavideo Broadcaster & Character Generator and Audio Technica ES gooseneck microphones. All the electronic equipment is connected and driven via Atlona AV connectivity products and further controlled, as a smart room, with the BIS Digital Enterprise Room Control solution.

"While the electronic equipment is very powerful and sophisticated, it was also important to make sure that the basic aspects of the system are able to be operated by people who are not necessarily AV experts or video producers," said BIS. "These Atlona products offer smart features, such as auto-switching that automatically sends the content of connected devices to the audience's screens. It lets presenters focus on their presentation, not whether their AV is working."

Connecting and Switching a Premium AV Presentation System

At the hub of this premium AV presentation system are three Atlona AT-UHD-CLSO-824 4K/UHD 8x2 switchers, of which one was placed at the podium in the chamber, with the other two housed in the control room. These offer the council great production flexibility with dual, HDBaseT and mirrored HDMI outputs for high-resolution 4K/UHD @ 60Hz video signals, multi-format signal-handling and Ethernet-enabled 100-meter HDBaseT input/output extension that can reach all corners of the facility. The switchers' built-in audio mix-matrixes enable the village's video team to control and direct audio without the need for additional electronic equipment.

The BIS team also implemented six Atlona AT-HDVS-150-TX 3x1 switchers, one at the podium and five at the dais, which enable presenters to connect and share content from their presentation devices with the live audience and those

Courtesy of BIS Digital

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at home. This switcher accepts content from the latest electronic equipment and legacy devices via HDMI and VGA with audio inputs, and also offers an HDBaseT output for extended distances.

Two Atlona distribution amplifiers provided added signal distribution flexibility throughout the three-room facility. These models feature the cost-saving benefit of routing HDMI signals over long distances via inexpensive category cable through the use of HDBaseT technology, as well as the convenience of remotely powering each Atlona HDBaseT receiver directly from the distribution amplifier to reduce infrastructure costs. They also enable council members and meeting participants to share content simultaneously via multiple displays.

The Village of Key Biscayne's Council Chamber AV system and technology renovation has been unanimously hailed as a success.

"Expectations for this project were high, and I must say that the results lived up to all of our hopes," said Fleming. "Now instead of lagging behind the surrounding communities and making excuses, we have a state of the art facility to which others aspire."

For more solutions, see http://atlona.com/solutions-tour/
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*Some products utilized in this case study have been updated. See table for current products.

PRODUCTS FEATURED

Model	Description	More Information
AT-UHD-CLSO-824	4K/UHD 8×2 Multi-Format Matrix Switcher with Dual, HDBaseT and Mirrored HDMI Outputs	http://atlona.com/product/at-uhd-clso-824/
AT-HDVS-150-RX	HDBaseT Scaler with HDMI and Analog Audio Outputs	http://atlona.com/product/at-hdvs-150-rx/
AT-HDVS-150-TX	Three-Input Switcher for HDMI and VGA Sources with HDBaseT Output	http://atlona.com/product/at-hdvs-150-tx/
AT-UHD-CAT-4	4K/UHD Four-Output HDMI to HDBaseT Distribution Amplifier	http://atlona.com/product/at-uhd-cat-4/
AT-UHD-CAT-8	4K/UHD Eight-Output HDMI to HDBaseT Distribution Amplifier	http://atlona.com/product/at-uhd-cat-8/
AT-HD-SC-500	Three-Input HD Video Scaler for HDMI and VGA Signals	http://atlona.com/product/at-hd-sc-500/
AT-UHD-EX-70C-RX	4K/UHD HDMI Over HDBaseT Receiver with Control and PoE	http://atlona.com/product/at-uhd-ex-70c-rx/