

# Virginia Beach Delta

## Full Distributed Hotel AV

### CHALLENGE:

A hotel client of ours was upgrading their entire building to be branded a Marriott.

This name holds high standards in everything that they do, including their Audio Video capabilities.

Needing a top-of-the-line AV system that worked for all of their common areas was key in achieving approval status with Marriott and seemed like a big challenge for the client until we stepped in.







# SOLUTION:

This extensive design included a distributed audio system through a QSC Core 510i and a distributed video system through a Crestron Digital Media Switcher that spanned the entire first floor of the hotel.

This was achieved by installing over 100 speakers in 23 unique zones allowing 4 channels of background music, 12 channels of Shure wireless microphone audio and 6 AtteroTech remote input plates sources to be heard across all 23 zones or any combination within.

The centralized system included 8 private conference rooms, each with their own in room AV capabilities. The centralized system also included 4 separate banquet halls that could be combined into one large space or be ran independent of each other allowing the maximum ROI on rented event space.

# SYSTEM:



## EQUIPMENT USED IN THE INSTALLATION INCLUDED:

**QSC Q-SYS Core 510i:** This was used to handle all audio routing for audio signal paths.

**Crestron Digital Media Switcher:** Crestron is usually our go-to for easy to use and reliable switching.

**Shure Wireless Microphone System:** Installed to have 12 channels of wireless microphone audio.

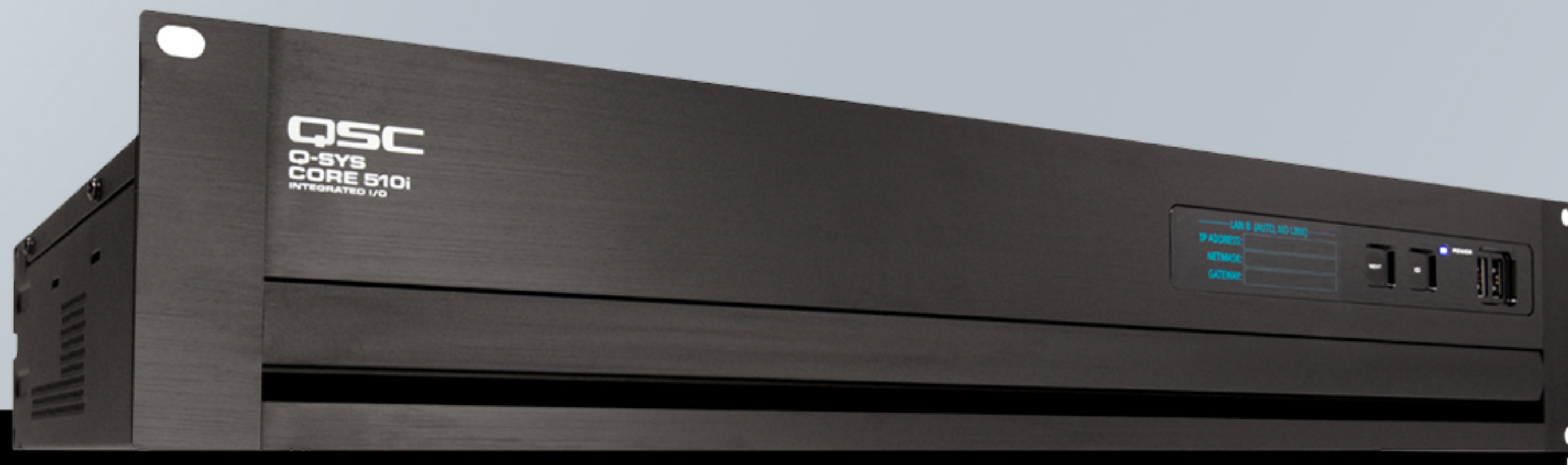
**AtteroTech Remote Input Plates:** These were used to enable all sources to be heard across all 23 zones or to create whatever configuration the end-user desired.

**Crestron Remote HDMI Input Plates:** These were used to matrix full HD video to any combination of the large format HD projector in the banquet halls.

**Crestron Automation:** Installed to allow managers to effortlessly control this complex AV system both from a hard-wired panel in the AV rack room as well as through their personal, wireless iDevices.







## THE IMPACT:

The client was ecstatic with their top-of-the-line AV system upgrade from Crunchy Tech. They gained 8 private conference rooms each with their own in-room AV system, and 4 banquet halls that could be combined into one large space or used independently. We were able to design, implement, program and commission a common area wide system which resulted in an approved status to become a Marriott property.

# METRICS:



## 40%

Increase in efficiency and gaining approval status with Marriott for the system due to increase capabilities.

