



Piscataway Township Council Chambers A/V Upgrade

Rev2
4 / 1 / 2022
REF# 7027

*Piscataway Township
455 Hoes Lane
Piscataway NJ 08854*

Proposed By:
Yervant Keshishian
Yervant@vartotechnologies.com

195 Hackensack Street, East Rutherford, New Jersey 07073
Tel: 201-662-6200 - Toll Free 888-656-6233 www.Vartotechnologies.com

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Varto Technologies
In Business Since 1984

At Varto Technologies we design and integrate reliable, cost effective audio, video, digital media and live broadcast solutions.

Varto Technologies, specializes in helping clients envision and build the ideal workflows needed to best conduct their goals, while providing individualized and cost-effective solutions. Varto Technologies prides themselves for being able to provide access to the best products and solutions available on the market, while also providing access to their top-notch support and training specialists.

Varto Technologies is also proud to be a Top 5 NewTek Platinum Partner for North America. As a NewTek Platinum Reseller our trained and certified product and solutions experts are available to assist with your live production, instant replay, NDI workflow implementation and other IP integration needs.



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Dear George,

We at Varto Technologies are pleased to submit this budget estimate for the Piscataway Township Council Chambers A/V Upgrade.

We have included several key infrastructure upgrades that will allow Piscataway TV to integrate the Council Chambers into their Production System and broadcast the proceedings reliably in high definition. This proposal will enable your facility to meet today's needs with room for future expansion.

Focus Areas:

<p>PTZ Robotic Camera Control: Two Fixed installation Pan Tilt Zoom Cameras with remote control from TV Control Room</p>	<p>Microphone System w/ Individual Audio Channels: Wireless Gooseneck Microphone System w/ ability to transport individual microphone sources to Control Room. With this functionality, the broadcast team can ensure the correct audio is always going to the broadcast feed.</p>
<p>Digital Processing Engine for In-Room Audio: Replacement of legacy audio system w/ modern digital processing engine for hands-free control and auto mixing for in-room listening.</p>	<p>A/V Presentation System & Video Conferencing Integration: Matrix Presentation Switcher & Control for In-Room Displays & Broadcast Presentation Feed. Ability to integrate a user provided laptop via HDMI to both In-Room and Broadcast outputs. Direct Video & Audio from Wide Shot PTZ Camera and in-room audio to USB connector for computer return feed.</p>
<p>Digital Audio Console & Intercom: IP enabled Digital Audio Console for Control room & new IP based Intercom for 2-way communication from TV Control Room to Council Chambers.</p>	<p>Installation & Integration: On-Site Installation & Configuration (Wiring, Wall Plate Installation/Mounting, Termination, Equipment Installation, Labeling, Patching, Software & Hardware Configuration, Testing & Documentation)</p>

We look forward to the opportunity to work with you.

Yervant Keshishian | Varto Technologies, Inc.
Sales Engineer, Authorized Trainer & Technical Director
 Tel: 888-656-6233 | Tel: 201-662-6200 | Fax: 201-604-2661
yervant@vartotechnologies.com | [linkedin.com/in/yervantk/](https://www.linkedin.com/in/yervantk/)
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QTY	Description	Price	Total
1	Shure Microflex 14 Wireless Gooseneck Microphone System (Includes 2x 8 Channel Wireless Receivers, 14 Microphones, 14 Base Stations, 14 Spare Batteries & 2x Charging Stations) System supports 16-Channels (2x 8channel receivers. System supports an additional two mics without the need for additional receivers.) Includes Symetrix Audio Digital Signal Processing (DSP), Speaker Power Amplifier & Individual Dante Outputs	\$37,644.64	\$37,644.64
1	Optional Touchscreen Audio Control (stays in chambers)	\$2,924.00	\$2,924.00
1	Ceiling Speakers	\$1,500.00	\$1,500.00
2	Optional: Shure Microflex Wireless Gooseneck Microphone, Base Station & Spare Battery (Brings System to Max of 16 Mics)	\$867.00	\$1,734.00
1	2 Canon CR-N300 PTZ Cameras, 2 Ceiling Mounts, 1 Wall Mounts & Canon RC-IP100 PTZ Joystick Controller	\$8,650.24	\$8,650.24
1	Optional: Additional 3rd Canon CR-N300 PTZ Camera (Behind Dias)	\$2,699.00	\$2,699.00
1	Kramer VS-84UT Presentation System w/ Matrix Switching, 2 HDMI HDBaseT Extensions for 2 Monitors, HDMI Tabletop Input & 2x NewTek Spark IO NDI Converters	\$9,473.99	\$9,473.99

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1	Allen & Heath SQ-5 48 Channel/36 Bus Digital Audio Mixer, 64x64 Dante Card	\$4,598.00	\$4,598.00
1	Studio Technologies IP Based Intercom Communications System (Includes Dante Intercom Audio Engine, Director Station, 6 Dual Channel Beltpacks & Headsets)	\$11,126.00	\$11,126.00
1	Networking for A/V Products (Includes Netgear M4250 48 port Switch, Netgear M4250 24 port PoE++ switch & necessary SFP+ Modules)	\$7,515.00	\$7,515.00
1	(2) Tripp Lite UPS Smart Online 1500VA 1200W Battery Backups, 2 Rackmount Power Strips, Small Rack Cabinet	\$2,465.00	\$2,465.00
2	Optional Tripp Lite UPS Smart Online 1500VA 1200W Battery Backup for Control Room	\$899.95	\$1,799.90
1	Varto Technologies Design Services: System Functional Drawings	\$4,500.00	\$4,500.00
1	<p>On-Site Installation & Configuration (Wiring, Wall Plate Installation/Mounting, Termination, Equipment Installation, Labeling, Patching, Software & Hardware Configuration, Testing & Documentation)</p> <p>Includes: Install and Configure 2 PTZ Cameras, Install Camera Mount Arm for center rear PTZ position, install 2 mounts on wall behind dais (no camera), Cat6a NDI Video Connections at PTZs, 2 Quad Cat6a connections Installed on Walls. Install and Configure video presentation system in council chambers – HDMI connection ports on the dais and near public address mic – 2 review</p>	\$18,500.00	\$18,500.00

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	<p>monitors installed in the Council chamber – secondary feed to TV Control Room. Dismantle old audio system and Install a New Sound System for Council which includes 16 Wireless Gooseneck Mics, Install & Configure Rack Audio Processor & Dante Routing from chambers to TV Control Room.</p>		
		TOTAL	\$115,129.77

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