Plain sailing for QEII Centre thanks to Q-SYS Ecosystem

QEII CENTRE
London, United Kingdom

The Queen Elizabeth II Centre is the largest dedicated conference and events space in central London. Located in Westminster, the venue offers thirty-two world-class facilities for high-profile conferences, conventions, exhibitions, awards dinners and other events, with a capacity of up to 2,500 people. Opened by HM the Queen in 1986, the Centre now hosts over 400 national and international events a year and has established itself as a stage for game-changers, innovators and thought leaders across industry, politics and big brands.

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> The ease of setup and configuration was a considerable time saver and meant we were able to minimise disruption at the centre. The use of IT-standard protocols enabled rapid software development while allowing for simpler communication with third-party devices.

Matthew Hornett, Senior Audio Visual Technician, QEII

For hosting such a wide range and high number of prestigious events, including NATO's Parliamentary Assembly and the Commonwealth Heads of Government Meeting, the Centre determined that a flexible and intuitive, building-wide networked AV&C system like the Q-SYS Ecosystem would best support the needs of the customer.
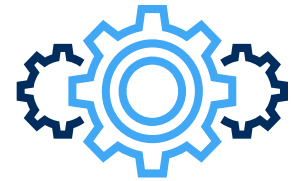
Quality Service

With the QEII potentially hosting in 10-15 spaces every night, users need simple, iintuitive user interfaces to fully utilise the rooms.

Integrated Audio, Video and Control

The Centre was looking to move away from disparate AV hardware in favor of a centralised AV solution for more streamlined operations and support.

Expedited Deployment

The AV system needed to be feature-rich without requiring a significant amount of time to be spent on programming.

Main entrance reception area

The requirement was for a large-scale multi-room system with centralised AV&C processing that would combine flexibility with intuitive control. It needed to cope with the demands of a busy events space while offering ease of use for customers and placing fewer demands on technicians.

Cambridge Suite medium size conference and event space with 400 reception capacity
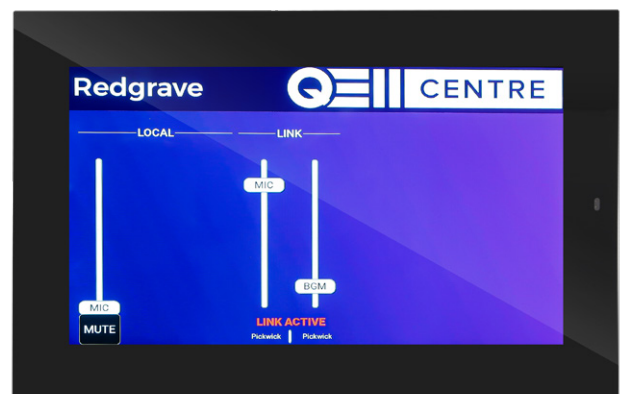
Integrated AV&C

An Intel-based Q-SYS Core 510i Integrated processor is the heart of the new system, handling the audio and control routing and processing for the entire building, while network-based audio and control endpoints are distributed to each space in the Centre. This centralised approach greatly improved the Centre's AV infrastructure by removing single-purpose hardware in favor of a more robust, software-based solution that delivers features and functionality with far less hardware than a traditional AV solution. This also helped to simplify and expedite system deployment, as there were far less interconnection points and potential points of failure.

Intuitive Room Layout and Operation

Each of the venue's thirty-two spaces has a similar audio complement, made up of Q-SYS network audio I/O peripherals, which allow integration of analog audio inputs (microphones) and outputs (loudspeakers) into the Q-SYS Ecosystem. Additionally, the Centre took advantage of Q-SYS robust, software-based control capabilities to help elevate the user experience. Utilizing Q-SYS UCI Editor, they built flexible and intuitive user control interfaces (UCI) that allow the end-user to select from a number of presets on a Q-SYS network touchscreen controller, based on how the room is layed out. Once a preset is selected, the UCI provides additional preset-specific controls. These included background music (BGM) playlist selection and track control, microphone/loudspeaker adjustments and video display controls. Additionally, Q-SYS allows for simple room combining, merging audio without any programming, should the end-user need to occupy multiple spaces.

Mountbatten event room with 384 dining capacity

TSC-80-G2 control panel with styled UCI

Opting for the Q-SYS Ecosystem has led to holistic improvements across the QEII Centre, starting with the installation process. Q-SYS unique drag-and-drop programming capabilities were a key factor in helping the Centre meet its project timing requirements without compromising on the functionality. And because it is software-based, Q-SYS is well prepared to expand along with the Centre's needs into the future.

Divisible event rooms

> Having Q-SYS at the heart of the QEII gives us a level of flexibility that simply didn't exist previously. We are thrilled for the experience that Q-SYS brings to our clients.

Deborah Jones, AV/IT Sales Manager, QEII

QSC EQUIPMENT LIST

Model	Pcs Used	Description	Image
Core 510i	1	Q-SYS Core 510i integrated processor and control engine with integrated I/O, 8 audio I/O card slots, 256 × 256 network channels and 64 AEC processors	
I/O Frame	1	Q-SYS I/O Network Interface 4x I/O card slots for up to 16 channels of I/O into theQ-SYS network	
I/O-8 Flex	9	Q-SYS Channel Expander 8x I/O flex channels built-in Q-SYS Web Conference Integration	
TSC-80-G2	8	Q-SYS touch screen controller 8 in screen size, 1200 x 800 resolution PoE	
TSC-7w	3	Q-SYS Touch Screen Controller (wallmount) 7 in (178 mm) screen dimension 800 x 480 resolution	

About QSC

QSC is a globally recognized manufacturer of audio, video and control (AV&C) solutions for huddle rooms to stadiums–and everything in between. Our systems make it easy for your team to design and integrate flexible, scalable solutions and deliver the native IT integration and standards-based technology your customers expect.

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