AUCKLAND WAR MEMORIAL MUSEUM

NSL CASE STUDY

ABOUT AUCKLAND WAR MEMORIAL MUSEUM

Auckland War Memorial Museum Tāmaki Paenga Hira or simply Auckland Museum is one of New Zealand's most important museums and war memorials. Its collections concentrate on New Zealand history and military history.

The present museum building was constructed in the 1920s in the neo-classicist style, and sits on a grassed plinth (the remains of a dormant volcano) in the Auckland Domain, a large public park close to the Auckland CBD.

Auckland Museum is regarded as one of the finest Museums in the Southern Hemisphere and is renowned for its unique collection of Māori and Pacific treasures.
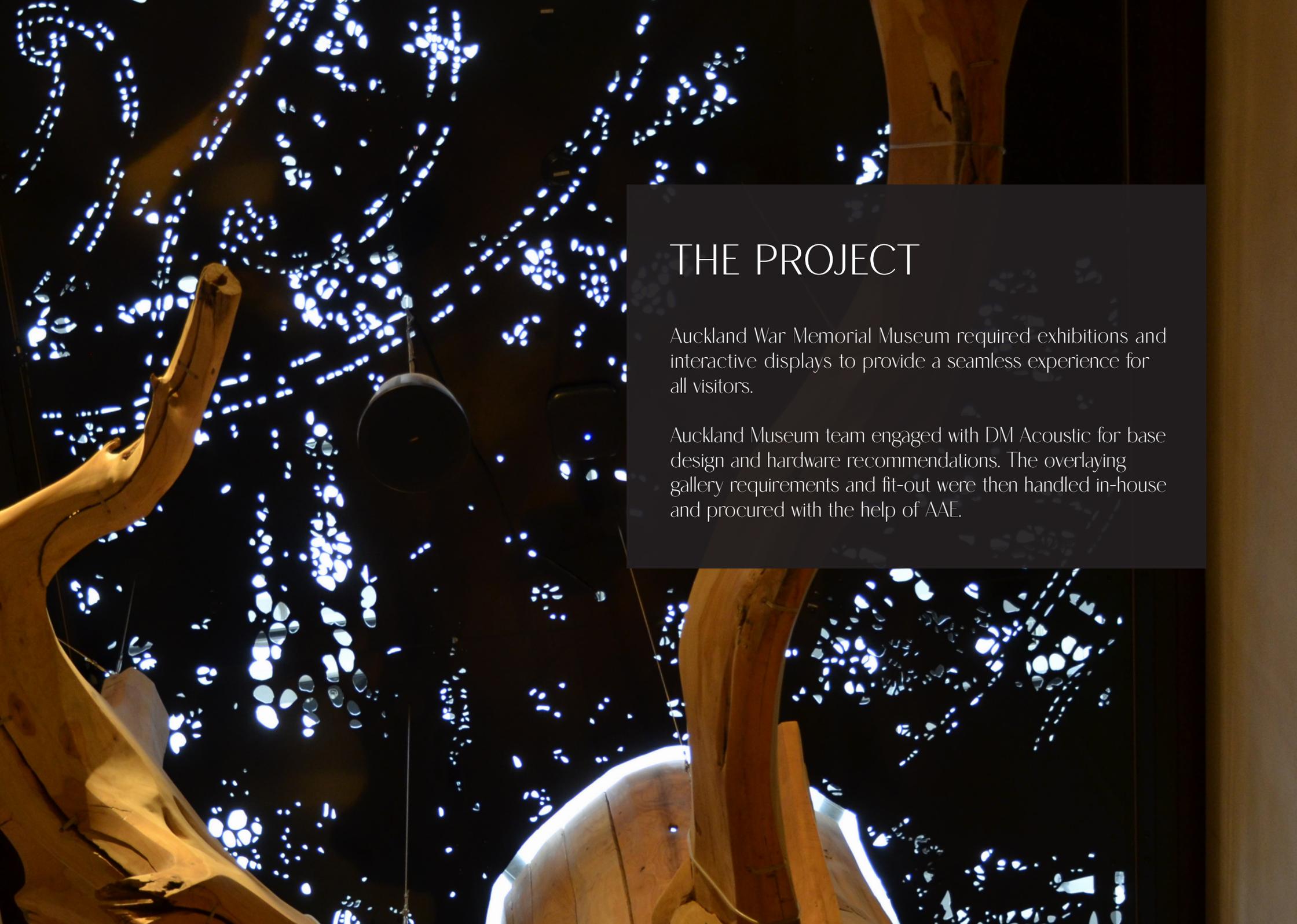
THE PROJECT

Auckland War Memorial Museum required exhibitions and interactive displays to provide a seamless experience for all visitors.

Auckland Museum team engaged with DM Acoustic for base design and hardware recommendations. The overlaying gallery requirements and fit-out were then handled in-house and procured with the help of AAE.
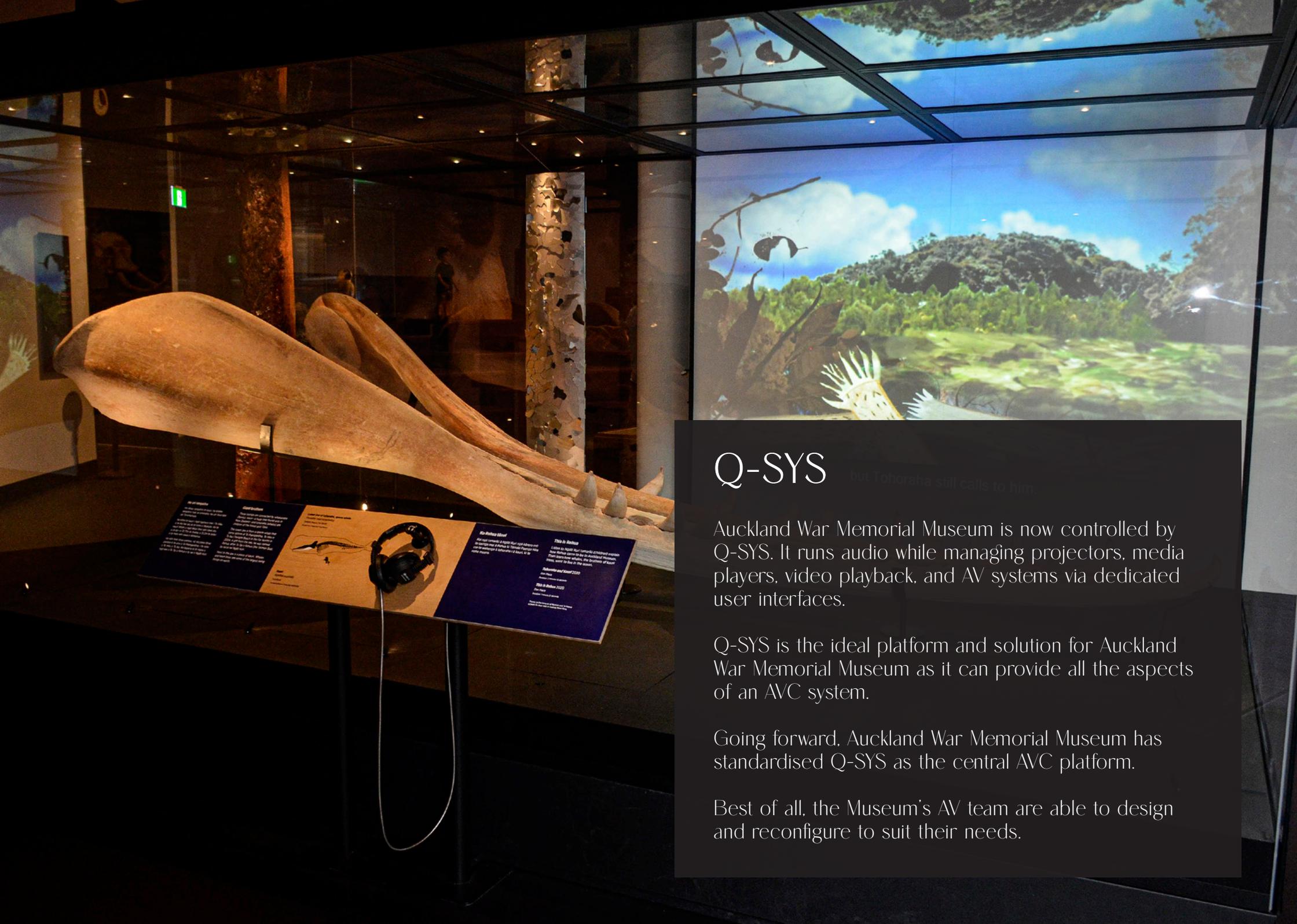
Q-SYS

Auckland War Memorial Museum is now controlled by Q-SYS. It runs audio while managing projectors, media players, video playback, and AV systems via dedicated user interfaces.

Q-SYS is the ideal platform and solution for Auckland War Memorial Museum as it can provide all the aspects of an AVC system.

Going forward, Auckland War Memorial Museum has standardised Q-SYS as the central AVC platform.

Best of all, the Museum's AV team are able to design and reconfigure to suit their needs.
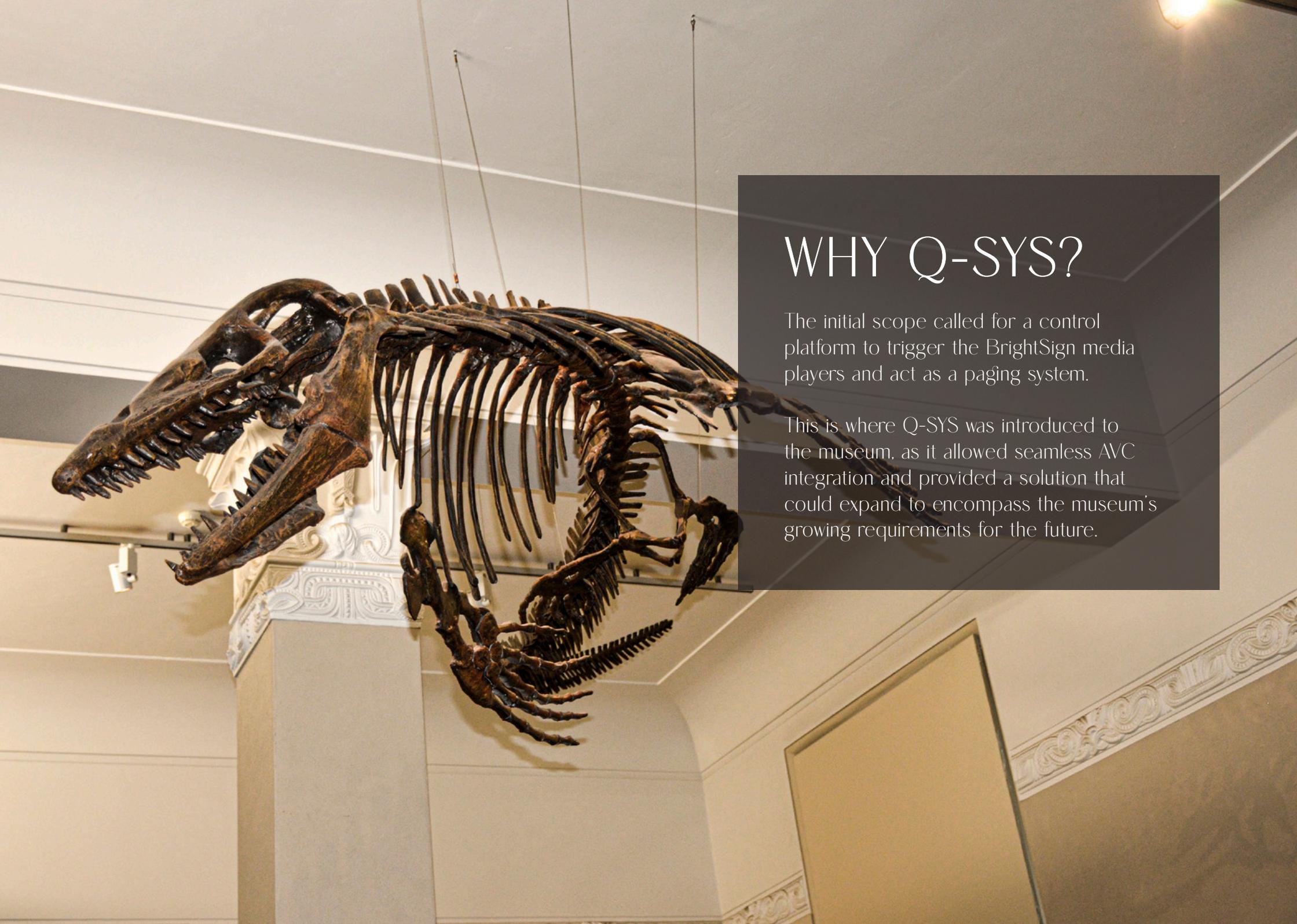
WHY Q-SYS?

The initial scope called for a control platform to trigger the BrightSign media players and act as a paging system.

This is where Q-SYS was introduced to the museum, as it allowed seamless AVC integration and provided a solution that could expand to encompass the museum's growing requirements for the future.

Q-SYS CONTROL

Q-SYS control ties together most of the museum's paging system, exhibitions and interactive displays. Q-SYS is programmed to be intuitive and provide an easy solution for the in-house AV team to maintain and make custom changes to the ever-evolving exhibitions.

SPEAKERS

Variety of speakers were used throughout Auckland War Memorial Museum including Q-SYS Ceiling Speakers. These speakers provided premium audio while being discreet, allowing a full immersive experience for visitors. Powered by Q-SYS, these speakers can be easily controlled via a touch panel or app on the phone.

SPEAKERS

QSC Surface Mounted Loudspeakers were placed throughout the museum, as they are ideally suited for a wide variety of foreground and background sound reinforcement applications.

AMPLIFIERS & WIRELESS SYSTEMS

Q-SYS CX-Q amplifier were the obvious choice for the museum. These amps sit within the Q-SYS Ecosystem and provide enough power and flexibility between 100V and low impedance to drive the numerous speakers within the museum.

Shure Axient Digital was selected as the wireless mic system for special live events and presentations. Axient Digital was selected based on it's exceptional audio quality paired with IT network-based transport allowing it to integrate into Q-SYS seamlessly.

"Q-SYS WAS THE SOLUTION THAT BEST FITS THE MUSEUM AV TEAM'S MIND-SET OF MAINTAINING AND DEVELOPING A SYSTEM IN-HOUSE. THIS GIVES US FULL CONTROL AND THE HIGHEST LEVEL OF UNDERSTANDING FOR PROBLEM SOLVING.

WE NOW HAVE A SYSTEM THAT TAKES INPUTS FROM MULTIPLE, EXISTING PLATFORMS AND HANDLES THEM ALL SEAMLESSLY."

LIAM BROWN - AV MANAGER, AUCKLAND MUSEUM

EQUIPMENT LIST

Image	Brand	Model	Description
	Q-SYS	AC-C4T	4.5-inch full-range, ceiling mount loudspeaker
	Q-SYS	AC-C6T	6.5-inch 2-way ceiling loudspeaker
	Q-SYS	AC-S6T	6.5-inch 2-way surface mount loudspeaker
	Q-SYS	AD-C6T	6.5-inch 2-way ceiling loudspeaker
	Q-SYS	AD-C8ITW	8-inch ceiling mount subwoofer
	Q-SYS	AD-P6T	6.5-inch 2-way pendant mount loudspeaker
	Q-SYS	AD-S112SW	12-inch subwoofer

EQUIPMENT LIST

Image	Brand	Model	Description
	Q-SYS	AD-S4T	4.5-inch 2-way surface mount loudspeaker
	Q-SYS	AD-S6T	6.5-inch 2-way surface mount loudspeaker
	Q-SYS	Core 510i	Q-SYS Core Processor Software-based audio, video & control processor Network I/O: 256 x 256 Eight audio I/O card slots
	Q-SYS	CXD4.2Q	Drive total amp power across 1 to 4 channel Flexible Amplier Summing Technology (FAST) 70V & 100V with bridged pairs Peak output: 2500W
	Q-SYS	CXD4.3Q	Drive total amp power across 1 to 4 channel Flexible Amplier Summing Technology 70V & 100V with bridged pairs Peak output: 5000W
	Q-SYS	CXD8.4Q	Drive total amp power across 1 to 8 channel Flexible Amplier Summing Technology (FAST) 70V & 100V with bridged pairs Peak output: 4000W
	Q-SYS	CX-Q 4K4	Drive total amp power across 1 to 4 channel Flexible Amplier Summing Technology 70V & 100V with bridged pairs Peak output: 4000W

EQUIPMENT LIST

Image	Brand	Model	Description
	Q-SYS	CX-Q 4K8	Drive total amp power across 1 to 8 channel Flexible Amplier Summing Technology 70V & 100V with bridged pairs Peak output: 4000W
	Q-SYS	I/O-8 Flex	Networked I/O expander peripheral 8 software-definable Flex channels Audio-to-USB Bridging for audio integration with soft codec applications
	Q-SYS	TSC-55-G2	Viewable Screen Dimensions (diagonal) - 5.5 Inch Capacitive LCD touch surface: In-plane switching (IPS) technology Power over Ethernet High resolution displays
	Q-SYS	TSC-80-G2	Viewable Screen Dimensions (diagonal) - 8 Inch Capacitive LCD touch surface: In-plane switching (IPS) technology Power over Ethernet High resolution displays

CONTACTS

Client | Auckland Museum
09 309 0443
www.aucklandmuseum.com

Distributor | NSL Group Limited
ali@nsl.co.nz
09 913 6212
www.nsl.co.nz

DM Acoustic
sales@dmacoustic.com
0800 362 268
www.dmacoustic.com

AAE
info@aae.co.nz
09 486 6324
www.aae.co.nz

Design
Distribution
Support

nsl

Audio / Video / Control