



Eden Park





// The Client Brief

During the lead up to the 2011 Rugby World Cup, Auckland's iconic Eden Park stadium was well underway with a significant redevelopment of the South Stand.

Fletchers Construction had completed a large percentage of the construction works including a new function centre located on both the 3rd and 4th floors.

>>**The scope** of the extensive audiovisual works had been fully designed by Auckland's Greet Consulting Ltd and the AV project had reached the stage of final budget review prior to approval.

// Our Involvement

>> **The Problem:** it was clear at this point that the budget allocated for the AV technology fell short of the functionality requirements. Project Managers from RCP (Resource Coordination Partnership) recommended to Tony Richards (Fletchers) that he should contact Resolution Audio Visual Consulting (ResAv) to discuss options.

>> **The Result:** we were tasked to review the system design and functionality and provide a proposal that significantly reduces costs. We concurred with the overall philosophy of the design & that the Crestron Digital Media™ (DM) solution chosen was the appropriate choice for the venue. We then focused on outcomes, we looked at where savings could be introduced without diluting the core deliverables. The result was a re-design which produced saving of approximately 40% over initial budget guidelines!



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HELP

// Requirements

The Level 4 Function Suite comprised of two large rooms separated by an operable wall, each function room had an associated pre-function suite. Within each function room the requirements were;

- ✓ Two Full HD Data Projectors together with their associated projection screens
- ✓ Multiple placement locations for lecterns and AV trolleys within the rooms
- ✓ Permanently installed Blu-ray players were to provide access to portable content.
- ✓ A comprehensive audio reinforcement system

Pre function Suites required;

- ✓ A series of "Break Out" True HD Professional Monitors
- ✓ A comprehensive audio reinforcement system

// Solution

It was clear that extensive AV switching was required to provide - any source to any display.

>> **Approach:** relying on our world class programming capability, ResAv set about looking into means to make the Crestron system work harder. Where the initial design provided for sixteen Crestron DM input devices within the function suites alone, we stripped this back to a total of four.

By identifying each Lectern and AV trolley, the AV system could look for and identify when an input was present and where it was located.

In addition to reducing the hardware requirements, the user touch screen interface was also simplified. The touch screen dynamically changed to reflect the rooms configuration. Only when a lectern or AV trolley was connected to a floor box, did it appear on the touch screen as a selectable source.

ACHIEVING SUCCESS



// Project Milestones

All project milestones were met and the system performance and functionality criteria was either met or exceeded on every count.

The primary objective was to provide a world class event centre with an AV solution with a seemingly impossible budget. Happy clients with happy accountants...Yes that's a difficult box to tick but we have hit the target.

The Eden Park Function Suite is both simple to operate and comprehensive in its capability. ResAV's offer to provide ongoing training for the centre staff has simply not been required. Once the initial orientation was completed, staff could navigate the touch screen menu with ease. A password protected "Tec Setup" page is very useful for storing and recalling custom scene sets which can be invoked by a client at a single button press.

// Integration

The Function suite is regularly used by both Eden Park Event Planning staff and the contracted external Event Hire company.

The function centre incorporated the following integrated solutions;

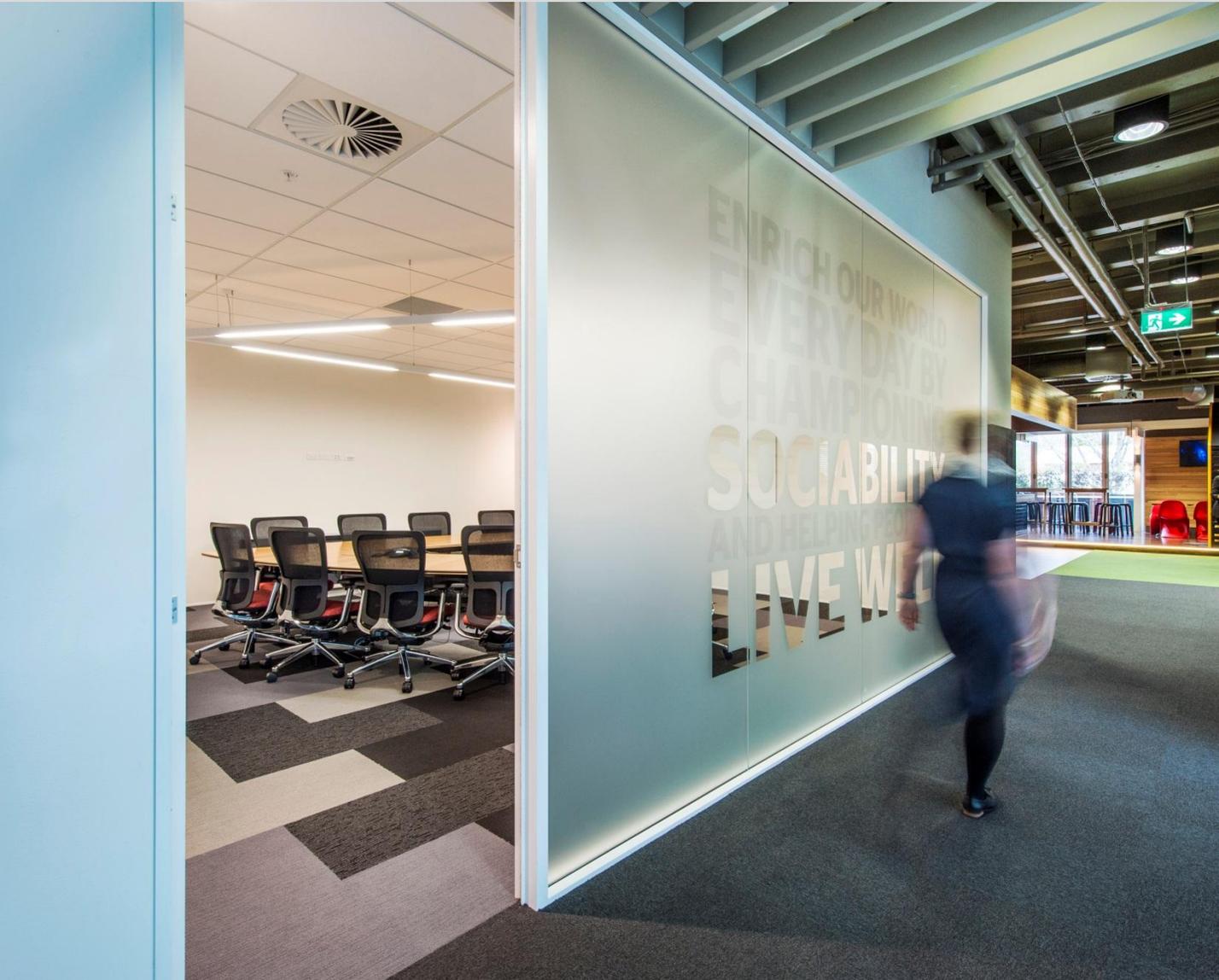
- ✓ Wireless and fixed touch screen control
- ✓ 4 x Full HD large format data projectors mounted in retractable ceiling lifts
- ✓ 4 x 150" widescreen recessed projection screens
- ✓ 8 x Large format Full HD flat panel displays
- ✓ Comprehensive multi zoned audio solution with event orientated way-lines and patch panels
- ✓ Optical fibre infrastructure
- ✓ Crestron DM management and switching for HDMI (including EDID-CEC-HDCP)
- ✓ Lighting integration
- ✓ Remote monitoring of all AV hardware

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