



## Meetings Maximized in City Council Chambers with **Flexible AV over IP**



### The Project

**Client:** City of Bayswater  
**Project:** City of Bayswater Council Chamber  
**Installer:** Redfish Technologies Pty Ltd  
**Location:** Bayswater, Western Australia  
**Project start/completion:** 5-9 October 2016  
**Approximate cost:** AU\$25K for all systems and installation

### The Brief

The brief given to integrator, Redfish Technologies, by the City of Bayswater in Western Australia, was to provide a fit-for-purpose audio video distribution system to facilitate the presentation of HD inputs on any of the five HD output screens within its city council chamber.



As a formal venue for council meetings, discussion and presentations, the chamber hosts closed meetings with internal council members as well as open with invited guests, local media and the general public, so inputs were required to be viewable from any seated position in the chamber, as well as monitored by whomever might be chairing proceedings.



The council chamber itself consists of one large room divided into five zones with 2x HDMI inputs comprising a PC and a Kramer collaboration unit distributing to a pair of NEC projectors along the front wall of the room, another pair of 15inch Lilliput HD monitors on either side of the chairperson's chair, and a 60inch Samsung LED display overlooking the public viewing gallery at the rear of the room.

Two major stipulations by the client were that the solution provided should offer simple operation for any non-technical user likely to facilitate meetings and assist the council secretary in recording meeting minutes, as well as ensuring a degree of flexibility and future-proofing in terms of potential addition of further inputs or outputs without requiring a complete system redesign.



Stuart Herring, Redfish Technologies' project manager, states that this ease of operation and scalability were both key deciding factors behind choosing WyreStorm's low bandwidth NetworkHD 100 Series HD over 1Gb IP solution to handle the AV distribution within the chamber: "We've used NetworkHD in previous projects, so were familiar with how easy it is to expand to virtually any size system by simply adding more encoders or decoders, depending on whether you're increasing the number of sources or displays; with auto-discovery of system components and its simple, straightforward configuration offering as close to a plug-and-play experience as you can get. So, we knew that this immediately ticked one important box for the client regarding flexibility and return on investment."



With the distribution taken care of, Redfish needed to address the requirement for a method of controlling the system that was so simple anyone could use it, regardless of technical ability. Luckily, NetworkHD includes a free dedicated Touch control app for iPad that does just that – with access to an entire system, live video previews of all sources and selections and simple drag and drop selection. As Herring notes: "Using the NetworkHD system with its Touch iPad app allows a simple, yet very effective switching of screens using a device and gestures everyone already knows. Users are more confident using the system and able to get up and running immediately without any training."



Herring sees particular relevance for the Bayswater council project by stating, "this is incredibly important for efficient operation within the chamber during a busy council meeting as users can simply switch inputs to any screen using the drag and drop interface or easily configurable and recalled Touch presets."

Full compatibility with other devices within a system is vital for the success of any AV project, and NetworkHD AV over IP and Touch control system integrated flawlessly with the new Bosch Dicontis Discussion System to make all city council meetings smoother, more enjoyable and more productive for all participants and observers.



On successful completion of the project in under 5 days for under AU\$25k for all vision systems and installation, Herring reflected on a job well done: "The client loves the solution we provided. They've remarked how simple it is to use and how it was precisely what they envisioned."

From an installation point of view, Herring concludes: "We were so impressed with NetworkHD, and particularly the addition of Touch as a free control app. When I first tried the demo system, it just worked! WyreStorm themselves provided excellent service and support to any questions asked during all stages of the project and NetworkHD itself is so simple to setup and operate – I wish all our jobs were this easy!"



5x WyreStorm NetworkHD NHD-100-RX HD over 1GbE decoder  
1x WyreStorm NetworkHD NHD-000-CTL controller

#### Control

NetworkHD Touch iPad Control App

#### Source

1 x PC (minutes PC) – input 1  
1 x Kramer Connect Pro Collaboration unit – input 2

#### Display

2 x NEC projectors  
2 x Lilliput 15" HD screens (chairperson seat)  
1 x 60" Samsung LED screen (viewing gallery)

#### Other

1 x Bosch Dicensis Discussion System

### About the Installer



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With over 13 years experience in a niche integration environment, Redfish Technologies offers specialist knowledge in the latest technologies and products, and are globally recognized as a leader in the design of Audio Visual Solutions & Evidential Recording Systems.

The Redfish team provide real-world expert consultancy, design, implementation and support, and assistance and understanding of the latest advances in technology on a broad range of audio-visual projects for justice, local government, law enforcement and parliamentary systems, in Australia and around the world.

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