



**David Hewson, Principal Consultant,  
McSquared System Design Group Inc.**

Audio/Visual System, Sound System Design and  
Acoustical Consultant

Years of Experience: 32 years, 11 years in Current  
Consulting Role.

**Profile:**

David has 32 years of experience in the field of  
information technology and audio/video/control  
system design and implementation.

David began specializing in the design and  
development of corporate and institutional audio-  
video and control systems with his move to MC  
Squared in 2006. He uses his extensive experience  
in the operation and support of IT and A/V systems  
to design reliable, innovative, and easy-to-use  
interfaces, using the latest IP-based systems  
integration methods, and recommend, troubleshoot,  
and design the requisite network topologies.

David's core areas of expertise are in the integration  
of IT and AV, in development of control systems and  
touch panel interfaces, Ethernet-based audio  
systems, and network design.

David has also developed remote interpreter support  
systems for courtroom applications, and control  
surfaces for DSP systems without the use of third-  
part control systems, and has created large-scale  
acoustic models for sound system designs.

**Education and Qualifications:**

Diploma, Capilano College, North Vancouver,  
BC – Business Management and Computer  
Systems

**Post Graduate Studies**

- BCIT AutoCAD level I certification
- ICIA CTS, International Communications  
Industries Association Certified Technology  
Specialist; Installation School Level 1  
Installation Technician
- Crestron Essentials of Crestron Programming  
Intermediate Crestron Programming
- Crestron DMC-D Digital Media Certified Designer
- Extron HD-BaseT, XTP Engineering Certification
- Extron Advanced Video & Streaming Technologies  
Certification
- Tandberg Videoconferencing System MXP platform  
Design Certification
- Biamp Tesira DSP Design certification
- SynAudCon Sound System Design Certification
- EASE Enhanced Acoustic Simulator for Engineers  
Basic and advanced training

**Employment History:**

- 2006 to current, Principal Consultant,  
McSquared Systems Design Group Inc.
- 2003 – 2006 TELAV / I.S.T.S. Inc,  
Vancouver.
- 1995 – 1996 Electronic Arts (Canada)
- 1985 – 1991 The Beach Computer  
Group

**Associations:**

- ICIA, International Communications  
Industries Associations, Inc
- SynAudCon

## Relevant Experience and Capabilities:

*British Columbia Provincial Law Courts, Surrey Courtroom Additions, Surrey BC*

Design of multiple high security and provincial courtroom sound system designs that incorporate touch-panel-controlled IP-based videoconferencing-enabled evidence presentation systems, Ethernet-based audio DSP systems, digital audio recording and playback, and centralized remote interpretation support.

Scheduled Completion: October 2017

A/V technology Systems Value: \$ 1 Mio

*British Columbia Provincial Law Courts, Kelowna Courtroom Renovations, Kelowna BC*

Design of high security courtroom audio-video systems, including a touch-panel-controlled IP-based videoconferencing-enabled evidence presentation system, Ethernet-based audio DSP system, digital audio recording and playback, and simultaneous interpretation, and AV system network infrastructure.

Scheduled Completion: August 2015

A/V technology Systems Value: \$ 0.3 Mio

*UBC, Distributed Medical Program, Capital Renewal – Diamond Health Care Centre (DHCC), Vancouver*

Design of enterprise level high definition, fully digital, distance-education enabled, videoconferencing based distance education AV system, and AV system network infrastructure, used for the remote education of the BC Medical School.

Completion: August 2014

A/V technology Systems Value: \$ 1 Mio

*UHNBC Clinical Academic Campus, Prince George, BC*

Design of high definition, fully digital, distance-education enabled collaboration AV systems and network infrastructure for the new distributed Medical Program campus. Completion: June 2015

A/V technology Systems Value: \$ 1 Mio

*Royal Jubilee Hospital, Victoria, BC*

Design of high definition, fully digital, distance education enabled A/V systems, including 35-seat seminar room, 16-seat seminar room, meeting & collaboration spaces, medical simulation theatres with adjacent observation rooms, medical training labs and clinical seminar rooms.

Completed: Jan 2015

A/V technology Systems value: \$ 1.5 Mio

*UBC, FoM, MPAACT Distributed. Medical Program, BC*

Development user requirements, performance guidelines, conduct usability studies & design of distance education enabled AV systems used at over 100 university and Clinical sites throughout BC for the remote education of the Distributed undergraduate BC Medical Program.

Completed: Since 2002, projects ongoing.

Technology System Value: \$ 56 Mio

*Langara College, New Science & Technology Building, Vancouver, BC*

Design of high definition, fully digital, advanced A/V systems, for lecture theatres, classrooms and meetings rooms. Design of fully integrated A/V observation, capture and debriefing systems for the new Nursing Simulation training centre, including integration of the human patient simulators vital sign and user data, and the provision for standardized and confederate training scenarios.

Completed: Jan 2017

A/V technology Systems value: \$ 1.5 Mio