



System Design Group



Marcel Schoenenberger

Profession

Audio Visual/Professional Video
Systems Consultant

Current Position

Principal Consultant

Joined McSquared Systems Design Group in 2001

1996 – 2001	TELAV / I.S.T.S. Inc.
1995 – 1996	NEC Switzerland
1988 – 1994	AV Ganz AG, Switzerland
1988 – 1988	Eschenmoser AG Switzerland
1986 – 1988	Swiss Military

Qualifications

Diploma, ZNM Zuerich Switzerland
Broadcast Video System Engineering

Post Graduate Studies

ZNM	Video component technology certification
SONY	Advanced video system design certification – Sony Development Center Atsugi, Tokyo, Japan
Panas.	Panasonic CCVE System design & application certification
BARCO	Component Level CRT projector technician certification
BARCO	Component Level Light Cannon projector technician certification
BSS	Soundweb Factory certified Design & application
AMX	Control system design & application certification
CCTC	Computerized Sales & Marketing Certification
BCIT	AutoCAD level I & II certification
Netcor	TCP/IP & PC Networking System design & application certification
ICIA	CTS, International Communications Industries Association Certified Technology Specialist

Crestron Essentials of Crestron Programming
EASE Special EASE 4.0 design program level 1 & 2 certification
Extron School of advanced AV technologies certifications
Tandberg Videoconferencing System MXP platform Design Certification
Biamp AUDIA DSP Design certification
SynAudCon Audio Program certification

Professional Associations

- ICIA, International Communications Industries Associations, Inc
- NAB, National Association of Broadcasters
- Extron Technology Advisory Council

Key Data

Marcel has 20 years of Audio Visual system consulting, design & integration in Switzerland, Canada and worldwide. In his career his responsibilities have involved the design and integration of high performance video, videoconferencing, audiovisual, broadcast video and control systems for broadcast studios, corporate boardrooms, control rooms, educational facilities, courtrooms, high end home theatres as well as the design & configuration of temporary systems setups for major conventions, conferences and high-end sports events.

His experience in state-of-the-art performance systems provides a key allowing Marcel to develop innovative and creative solutions to the challenges of performance requirements, visual impact, and budget resources.

In recent years Marcel has specialized in the development of videoconferencing based distance education systems used for the remote student education of advanced skill programs such as medical doctors, MBA's etc. Marcel uses a specialized process to confirm operational and functional system performance. The final verification of calibration is used to assure specified systems parameters and teaching association accreditation performance requirements are being met.

Relevant project highlights currently under development:

□ **Sauder School of Business**
Development of user requirements, performance standard guidelines and distance education enabled AV systems for the distributed part-time MBA program, between the Vancouver down town campus, the Point Grey Campus and the Shanghai, China campus

□ MPAACT Phase-1

Development of user requirements, performance guidelines, distance education enabled, videoconferencing based distance education AV system for the Medical Provincial Affiliated Academic Campus Technology Project, used for the remote education of year 3&4 of the Distributed undergraduate BC Medical School:

- Vancouver Hospital, DHCC
- Vancouver Hospital, JPPN
- Victoria General Hospital, Victoria
- Royal Jubilee Hospital, Victoria
- Prince George Regional Hospital
- Royal Columbian Hospital

□ CANACCORD Capital Inc.

Development of Videoconferencing based boardroom AV system for the Vancouver head office, connecting to 7 sites in North America and Europe

Relevant Project highlights recently completed

□ **UBC, Distributed Medical Program**
Development of user requirements, performance guidelines, distance education enabled, videoconferencing based distance education AV system used for the remote education of year 1&2 of the Distributed undergraduate BC Medical School:

- Vancouver Hospital, Health Education Centre
- Life Sciences Centre, UBC

□ Vancouver General Hospital Surgical Center of Excellence

Design of comprehensive Audio-Visual, Audio & control system, including distant education capabilities in the lecture theatre. AV system value: \$ 250,000

□ BC, Supreme Court, Courtroom 20:

Design of comprehensive Audio-Visual, videoconferencing, Audio & control system, including remote witness testimony capabilities