



AV MULTIMEDIA DESIGNERS

SINCE 1982

Emergency Command Centres

www.novita.ca

AV MULTIMEDIA DESIGNERS

Novita has specialized in designing a wide range of information, communications and presentation systems since 1982.

We are an independent consulting and design office only. We do not sell equipment or represent manufacturers or suppliers.

We understand how clients can use technology to inform, persuade and teach. We believe that technology is a means to an end, not an end in itself.

We design systems and equipment with an integrated approach, bringing together a number of disparate technologies into a single system package. We want the attention of the audience to be directed towards the content of the presentation, not the technology.

Novita's staff have a wide range of qualifications and experience in Audio-Visual Multimedia design. In addition to formal and in-service training, many have worked in other aspects of the industry such as installation, operation, and technical support.

Our AV Multimedia Services Include:

- Broadcast Systems
- Audio Reinforcement and Effects
- Specialized Lighting and Effects
- Audio Paging and Monitoring
- Video Monitoring
- Large Format Video Display
- Optical Film Projection
- Assistive Listening and Simultaneous Translation Systems
- Teleconferencing and Video Conferencing
- Combined Room Controls
- Control Rooms
- Digital Signage



OPP HEADQUARTERS COMMAND CENTRE

Location: Orillia, Ontario

Project Owner: Ontario Provincial Police

Date Completed: 2010

AV Systems Cost: \$700,000

AV Consultants: Novita



This project involved the renovation to the existing Emergency Operations Centre (EOC), located within General Headquarters in Orillia. Novita designed AV Presentations systems for the Main Operations Room/Command Centre, the Videoconference Boardroom, and the Executive Command Boardroom.

All technology needed to be durable, reliable, user-friendly, and integrate with existing OPP networks, computers, and telephone systems. Existing AV systems were evaluated and integrated where feasible.

Systems included audio and video conferencing, wireless microphones, digital audio signal processing, combined media control, and combined room control.

A video wall was designed using six 67" video cubes to form a 2 X 3 unit wall. The cubes have no bezel, allowing a large, seamless image to be formed using multiple units. A multi-image processor was implemented to allow the resizing and locating of images anywhere on the display screen.

Audio and video matrixing was implemented to allow Emergency Team members to select any video image and associated audio feed on the wall and bring it up on their local monitor and headphones. Smart boards were also included in the design to allow annotation over maps such as Google Earth while tracking the course of an emergency event.

For security, a hard wired system was designed in order to protect information from RF scanner technologies.

EMERGENCY MANAGEMENT ONTARIO

Location: Toronto, Ontario

Project Owner: Government of Ontario

Date Completed: 2006

AV Systems Cost: \$350,000

Interior Designer: LBA Design Group

AV Consultants: Novita



This project involved the expansion of Emergency Management Ontario's command centre to double the capacity. The centre's primary function is to accommodate representatives from various Ministries, including National, Provincial, and Municipal Emergency Services, during emergencies to co-ordinate efforts.

Security of the persons using the centre, and protecting the confidentiality of the information, were of utmost importance. All equipment systems had to be fully redundant.

Systems included audioconferencing and quad splitting on 4 front video projection systems for a total of 16 images.

Existing problems that Novita's system design overcame included microphone feedback, electromagnetic interference, poor screen viewing angles due to the layout of the room, dim projected images, the use of multiple remote controls for the systems, and equipment controls that required adjustment by an outside company.

Novita's solution was very cost-effective, re-using as much of the existing equipment as possible.

CLIENT LIST

Conference and Convention Facilities

Casino Rama, Rama
St. Clair Centre for the Arts, Windsor
Design Exchange, Toronto
Hummingbird (now Sony) Centre, Toronto
London Convention Centre, London Ontario
Metro Toronto Convention Centre
Niagara Convention and Civic Centre, Niagara Falls
Niagara Fallsview Casino, Niagara Falls
TCU Place (Centennial Auditorium & Convention Centre), Saskatoon, Saskatchewan
Tianjin Customs House, Tianjin, China
UJA Federation, Toronto
Vaughan Jewish Community Campus, Thornhill
Westin Harbour Castle, Toronto

Council Chambers and Court Rooms

Assessment Review Board, Toronto
City of Brampton
City of Elliot Lake
City of Mississauga
City of North Bay
City of Sarnia
City of Sudbury
City of Temiskaming Shores
City of Welland
County of Frontenac, Kingston
District of Muskoka, Bracebridge
Region of Niagara, St. Catharines
Regional Municipality of Peel
Regional Municipality of Waterloo, Kitchener
Territory of Nunavut, Iqaluit
Town of Fort Erie
Town of Huntsville
Town of Innisfil
Town of Milton
Town of Oakville
Town of Richmond Hill
Town of Springwater

Corporate Board Rooms and Meeting Rooms

Alliance Communications, Toronto
Angus Glen Golf Course, Markham
Bilfinger Berger BOT, Toronto
Bluewater District School Board, Chesley
Borden Ladner Gervais, Toronto
CIBC Mellon, Toronto
City of Toronto
City of Barrie
Deloitte LLP, Toronto
Gluskin Scheff & Associates, Toronto
Imperial Oil Limited, Toronto
Intelligent Creatures, Toronto
John Howard Society, Toronto
Magna International, Aurora
McCarthy Tetrault, Toronto
Metro Toronto Reference Library
Ministry of Economic Development and Trade, Toronto
MMM Group, Markham
National Research Council, Integrated Technologies Manufacturing Institute, London
Noranda Minerals, Toronto
Ontario Arts Council, Toronto
Ontario Teachers Pension Plan, Toronto
Osler Hoskin & Harcourt, Toronto
Owl Communications, Toronto
Research In Motion, Waterloo
SAS Institute, Toronto
SITEL Corporation, Toronto
TESMA International, Concord
Torys Law Office, Toronto
TransGlobe Management Services, Toronto
Wabi Development Corporation, Tamiskaming
Woodbridge Corporation, Toronto

Emergency Command Centres

Emergency Management Ontario, Toronto
Ontario Provincial Police, Orillia
Peel Region Paramedic Reporting Station, Mississauga

CLIENT LIST

Lecture Theatres, Smart Classrooms, and Multipurpose Rooms

Appleby College, Oakville
Bishop Strachan School, Toronto
Centre for Animation and Emerging Technologies,
Sheridan College, Oakville
Concordia University, Montreal, Quebec
Horton District High School, Halifax, Nova Scotia
Humber College, Toronto
Lambton/Kent Board of Education, Sarnia and
Chatham
Nipissing University, North Bay
Ontario College of Art and Design, Toronto
Perimeter Institute, Waterloo
Ryerson University, Toronto
Seneca College, Toronto
St. Mildred's Lightbourn School, Oakville
Trent University, Peterborough
University of Toronto
University of Toronto – Mississauga
University of Waterloo
University of Windsor

Galleries, Interpretive Centres and Museums

Arts and Entertainment Centre, Milton
Butterfly Conservatory, Niagara Falls
Evergreen Brick Works, Toronto
Gallery Lambton, Sarnia
Humber College Eco Centre, Toronto
Marine Heritage Centre, Brighton
Old Fort William, Thunder Bay
Science North, Sudbury

Health Care Facilities

Bloorview McMillan Children's Centre, Toronto
Health Canada, Toronto
McMaster Health Sciences, McMaster University,
Hamilton
Niagara Health Systems New Hospital, St. Catharines
One Kid's Place, North Bay
The Michener Institute, Toronto

Places of Worship

Carruthers Creek Community Church, Ajax
Clarendon Hills Christian Church, Chicago, Illinois
Compass Point Bible Churches, Burlington
Eglinton / St. George United Church, Toronto
Grace Anglican Church, Milton
Grace Church, Milton
Indonesian Christian Church, Toronto
Kingsway-Lambton Church, Toronto
Knox Presbyterian Church, Waterloo
Assembly Hall of Jehovah's Witnesses, Norval
Old St. John's Church, Niagara Falls
Providence Centre Chapel, Scarborough
Richmond Hill Chinese Community Church
Salvation Army Citadel, Scarborough
Scarborough Chinese Baptist Church
St. Justin Martyr Parish, Unionville
St. Padre Pio Church, Woodbridge
St. Thomas the Apostle, Waterdown
Trinity Anglican Church, Mississauga
West Park Baptist Church, London

Government/Agencies

Canadian Embassy, Berlin
Canadian Embassy, Sao Paulo, Brazil
Canadian Forces Base, Borden
Ontario Lottery and Gaming Corporation, various
locations
Peace Bridge Authority, Fort Erie, Ontario and Buffalo,
New York

Film and Cinema

Importanne Theatre, Zagreb, Croatia
International Design Group/Famous Players (Theatres
across Canada)
Music and Film in Motion, Sudbury

Retail

Sherway Gardens, Etobicoke

Private Homes

AV Multimedia systems for private homes of Canadian
and international corporate leaders.