SMART contracted Applied Electronics to design, supply and install a complete audio/visual system in this cafeteria. A 192” wide x 108” high DaLite front projection screen (16:9 HDTV format) with a Panasonic PT-DW7000UK WXGA large venue DLP projector on a Draper motorized projection lift system are the core components of the A/V system. Two Vaddio WallView Pro EZCamera systems are used with an Applied Electronics custom-built screen bracket to display a magnified image of the presenter on the screen, allowing the cafeteria to double as a corporate presentation space. Voice reinforcement is ensured with Toa speakers throughout the main floor and mezzanine. A Crestron control system, 19” LCD Touchpanel with TPS-G-TP1 QuickMedia touchpanel interface, as well as a WMKT-4LW Isys 3.6 colour wall-mount touchpanel, and transmitter work together to operate the audio and video systems. For more information about this project, please contact Kevin Stewart in our Calgary office.

For more information about SMART products and their new environmentally friendly headquarters, visit: http://smarttech.com

SMART Headquarters
SMART Technologies is the world leader in interactive whiteboards and group collaboration tools. On May 1st, SMART Technologies announced the official opening of its new headquarters and research center in Calgary. The environmentally friendly building is designed to meet LEED (Leadership in Energy and Environmental Design) Gold certification criteria, an internationally recognized standard of environmentally sustainable design and construction. Their new headquarters include a large cafeteria that also functions as a general gathering area and informal meeting space for staff.

Tektronix DTV Seminar at SRC Montréal

On May 28th, Tektronix and Applied Electronics hosted a Digital Television Seminar at CBC/SRC in Montréal. The complimentary full-day informational seminar offered valuable working knowledge of the technologies behind digital terrestrial television broadcasting and how to survive the HD-DTV transition. Bill Cohn, a Tektronix Television Systems Application Engineer, presented on serial digital television, audio monitoring, MPEG fundamentals, OTA 8VSB monitoring, and video over IP monitoring. Registration for the seminar was unprecedented, maxing out at room capacity. A second Tektronix DTV Seminar is scheduled to be hosted in Quebec City at the end of this summer.

For more information, please contact Broadcast Sales in our Montréal office.

AJA’s Ki Pro Sweeps Major Awards at NAB 2009

Ki Pro portable disk recorder was lauded as “must see” and “revolutionary” product at NAB 2009. AJA Video Systems, a leading manufacturer of professional video interface and conversion solutions, recently launched Ki Pro, a portable digital disk recorder. Ki Pro has won four major industry awards for its debut at the NAB 2009 conference. Ki Pro records files to the Apple ProRes 422 codec directly from camera, allowing filmmakers, broadcasters, video professionals and prosumers to skip the process of re-rendering to an editing codec by giving immediate access to 10-bit full raster edit-ready Apple ProRes 422 files.

At NAB 2009, Ki Pro was awarded the Broadcast Engineering Pick Hit Award, the DV Black Diamond Award, the TV Technology Star Award and the Videography Magazine Vidy Award. Products awarded are selected by a panel of industry experts, engineers and journalists based on the most innovative new technologies introduced at the annual NAB conference.

For more information, please contact your nearest AEL broadcast sales specialist.
**New Partnership:**

**Impresario Control Environment**

**da Vinci**

Impresario’s cockpit-like feel puts colorists at the center of a powerful color grading control experience. The flow of the control surfaces, the precise feeling of stability and the clarity of the images in the LCD screens are part of the new environment created in your color grading suite by Impresario.

**da Vinci introduced the industry to trackball control.**

With Impresario, the latest generation trackballs and surrounding rings are ergonomically designed to fit beneath the colorist’s hands, providing a relaxed feeling for long or intense color grading sessions.

Impresario’s jog/shuttle provides free-wheeling control, as well as hard end-stops at one-third, full and three-times frame rate speed.

An ultra-thin keyboard slides out from beneath the joyball panel, and a laptop-style touch pad provides touchpoint control.

For more information, please contact your nearest AEL broadcast sales specialist.

**School of Higher Technology Auditorium**

École de technologie supérieure (School of Higher Technology) is an engineering university member of the Université du Québec network, offering accredited postgraduate programs intended specifically for students that have graduated from college technical programs (CEGEP). With the goal to have a multi-functional facility for theatre, lectures, concerts and HD film viewing, ÉTS contracted Applied Electronics to design, supply and install an A/V system in their 300-seat fan-shaped auditorium, equipping them with a rear control booth and a mobile stage lectern with room controls.

ÉTS required the ability to control all major system functions via three Crestron touchpanels with the capacity to playback full 1080P HD movies and display multiple images on one projection screen. The system included a Christie HD8K projector, RGB Spectrum Superview 8/8 video processor, Meyer sound system, Crestron control system with two TPS-15G-QML Isys® G-Series 15” wall mount touchpanels w/ QuickMedia® Transport Technology and one TPS-3000 Isys® 6.4” tilt touchpanel, Mackie Onyx 32-4 mixing board, Sony BRC-300 motorized camera, Electro-Voice amplifiers, and ETC Lighting System. Installation was completed in January 2009 and the ÉTS A/V department was extremely impressed with AEL Montréal’s installation team.

For more information on this project, please contact Marcel Joanis in our Montréal office.

---

**NAB Canadian Suite 2009 Report**

Despite the economic downturn, the Canadian Suite pulled off another good year. We had a total of 90 sponsors compared to 102 in 2008. The refreshment totals were: Monday $13,721.54, Tuesday $13,104.18 and Wednesday $9,421.93. After adding the miscellaneous costs the final total was $46,900.00. We had a deficit of $8,928.00 which still leaves us with a reasonable backup surplus in the account.

**LISTED BELOW ARE THIS YEAR’S SPONSORS. PLEASE THANK THEM THE NEXT TIME YOU SEE THEM.**

- Acura Technology Group
- Airline Traffic Services Ltd.
- Aixtrate Video, Inc.
- Alliance Net.Works
- Axiom AM/ID, KinoFlo, and Kodak provided generous sponsorship support that gave the RTA students the opportunity to embrace the NAB experience. Kodak and Applied Electronics also supplied branded t-shirts which each student sported on the NAB show floor. ATI provided a private luxury bus tour of Hoover Dam and the Grand Canyon for the students, and a dinner at Planet Hollywood was also funded by sponsors.

- Applied Electronics, DSC Labs, Ross video, ORAD, ATI/AMD, KinoFlo, and Kodak provided generous sponsorship support that gave the RTA students the opportunity to embrace the NAB experience. Kodak and Applied Electronics also supplied branded t-shirts which each student sported on the NAB show floor. ATI provided a private luxury bus tour of Hoover Dam and the Grand Canyon for the students, and a dinner at Planet Hollywood was also funded by sponsors.

- Applied Electronics, DSC Labs, Ross video, ORAD, ATI/AMD, KinoFlo, and Kodak provided generous sponsorship support that gave the RTA students the opportunity to embrace the NAB experience. Kodak and Applied Electronics also supplied branded t-shirts which each student sported on the NAB show floor. ATI provided a private luxury bus tour of Hoover Dam and the Grand Canyon for the students, and a dinner at Planet Hollywood was also funded by sponsors.

- Applied Electronics, DSC Labs, Ross video, ORAD, ATI/AMD, KinoFlo, and Kodak provided generous sponsorship support that gave the RTA students the opportunity to embrace the NAB experience. Kodak and Applied Electronics also supplied branded t-shirts which each student sported on the NAB show floor. ATI provided a private luxury bus tour of Hoover Dam and the Grand Canyon for the students, and a dinner at Planet Hollywood was also funded by sponsors.

- Applied Electronics, DSC Labs, Ross video, ORAD, ATI/AMD, KinoFlo, and Kodak provided generous sponsorship support that gave the RTA students the opportunity to embrace the NAB experience. Kodak and Applied Electronics also supplied branded t-shirts which each student sported on the NAB show floor. ATI provided a private luxury bus tour of Hoover Dam and the Grand Canyon for the students, and a dinner at Planet Hollywood was also funded by sponsors.

- Applied Electronics, DSC Labs, Ross video, ORAD, ATI/AMD, KinoFlo, and Kodak provided generous sponsorship support that gave the RTA students the opportunity to embrace the NAB experience. Kodak and Applied Electronics also supplied branded t-shirts which each student sported on the NAB show floor. ATI provided a private luxury bus tour of Hoover Dam and the Grand Canyon for the students, and a dinner at Planet Hollywood was also funded by sponsors.

- Applied Electronics, DSC Labs, Ross video, ORAD, ATI/AMD, KinoFlo, and Kodak provided generous sponsorship support that gave the RTA students the opportunity to embrace the NAB experience. Kodak and Applied Electronics also supplied branded t-shirts which each student sported on the NAB show floor. ATI provided a private luxury bus tour of Hoover Dam and the Grand Canyon for the students, and a dinner at Planet Hollywood was also funded by sponsors.

- Applied Electronics, DSC Labs, Ross video, ORAD, ATI/AMD, KinoFlo, and Kodak provided generous sponsorship support that gave the RTA students the opportunity to embrace the NAB experience. Kodak and Applied Electronics also supplied branded t-shirts which each student sported on the NAB show floor. ATI provided a private luxury bus tour of Hoover Dam and the Grand Canyon for the students, and a dinner at Planet Hollywood was also funded by sponsors.

- Applied Electronics, DSC Labs, Ross video, ORAD, ATI/AMD, KinoFlo, and Kodak provided generous sponsorship support that gave the RTA students the opportunity to embrace the NAB experience. Kodak and Applied Electronics also supplied branded t-shirts which each student sported on the NAB show floor. ATI provided a private luxury bus tour of Hoover Dam and the Grand Canyon for the students, and a dinner at Planet Hollywood was also funded by sponsors.

- Applied Electronics, DSC Labs, Ross video, ORAD, ATI/AMD, KinoFlo, and Kodak provided generous sponsorship support that gave the RTA students the opportunity to embrace the NAB experience. Kodak and Applied Electronics also supplied branded t-shirts which each student sported on the NAB show floor. ATI provided a private luxury bus tour of Hoover Dam and the Grand Canyon for the students, and a dinner at Planet Hollywood was also funded by sponsors.

- Applied Electronics, DSC Labs, Ross video, ORAD, ATI/AMD, KinoFlo, and Kodak provided generous sponsorship support that gave the RTA students the opportunity to embrace the NAB experience. Kodak and Applied Electronics also supplied branded t-shirts which each student sported on the NAB show floor. ATI provided a private luxury bus tour of Hoover Dam and the Grand Canyon for the students, and a dinner at Planet Hollywood was also funded by sponsors.

- Applied Electronics, DSC Labs, Ross video, ORAD, ATI/AMD, KinoFlo, and Kodak provided generous sponsorship support that gave the RTA students the opportunity to embrace the NAB experience. Kodak and Applied Electronics also supplied branded t-shirts which each student sported on the NAB show floor. ATI provided a private luxury bus tour of Hoover Dam and the Grand Canyon for the students, and a dinner at Planet Hollywood was also funded by sponsors.

- Applied Electronics, DSC Labs, Ross video, ORAD, ATI/AMD, KinoFlo, and Kodak provided generous sponsorship support that gave the RTA students the opportunity to embrace the NAB experience. Kodak and Applied Electronics also supplied branded t-shirts which each student sported on the NAB show floor. ATI provided a private luxury bus tour of Hoover Dam and the Grand Canyon for the students, and a dinner at Planet Hollywood was also funded by sponsors.

- Applied Electronics, DSC Labs, Ross video, ORAD, ATI/AMD, KinoFlo, and Kodak provided generous sponsorship support that gave the RTA students the opportunity to embrace the NAB experience. Kodak and Applied Electronics also supplied branded t-shirts which each student sported on the NAB show floor. ATI provided a private luxury bus tour of Hoover Dam and the Grand Canyon for the students, and a dinner at Planet Hollywood was also funded by sponsors.
K2 Dyno Replay System

The K2 Dyno replay system is a comprehensive set of workflow tools that are easy to use to provide quick set-up before the event, professional on-air playback during the event with SD and HD smooth slo-mo, and instant replay and easy packaging of all the material after the event for post production.

The K2 Dyno is designed to be an easy-to-use instant replay and highlight generation system for standard-definition and high-definition (SD and HD) production.

The K2 Dyno software is optimized for live event production. Its core offering consists of instant replay, smooth slo-mo with a high quality T-bar and jog knob, fast marking of key events, on-the-fly highlights generation with built-in mix effects on each channel and easy metadata entry.

For more information, please contact your nearest AEL Broadcast Sales Specialist.

Panasonic

Panasonic H.264/AVC Intra-only Compression for P2 Applications

What is AVC-Intra?

AVC-Intra, the industry’s most advanced compression technology, is a professional intra-frame video codec with bit rates of 50 and 100 Mb/s, utilizing the High 10 Intra and High 422 Intra profiles of H.264. Intra-only compression completes the compression processing within an individual frame, and Inter (Long GOP) compression completes the processing over multiple frames.

Inter-frame compression, (long GOP) is usually used for content delivery and packaged media; in this mode its efficiency is unequalled. However, any image manipulation or processing will severely degrade the image quality in long GOP compression schemes.

AVC-Intra stands up to rigorous editing, including compositing, multiple layers of video etc, far better than long-GOP compression scheme. The storage and bandwidth savings, without the compromises of long GOP compression, allows AVC-Intra 50 to provide subjectively similar video quality to DVCPRO HD at one half the bitrate, thus doubling the recording time on the P2 cards, a powerful solution that cuts media storage and distribution costs.

Both AVC-Intra and DVCPRO format files, of all video standards and frame rates can reside on the same P2 card.

If you need an uncompressed workflow and/or want to edit AVC-Intra on a non-linear editing system that does not currently support AVC-Intra the Panasonic AJ-HPM100 P2 HD Mobile recorder/player can be used as a player. The P2 Mobile has several I/O options, including HD-SDI, analog with RS-422 serial control for easy ingest to high-end NLE systems.

Panasonic has been working with leading industry partners opening AVC-Intra to leading NLE companies for compatibility and product support.

Panasonic is not replacing DVCPRO with AVC-Intra. AVC-Intra is simply a more advanced, efficient compression technology offered as an option in addition to the DVCPRO family of codecs in selected P2 HD equipment.

For more information, please contact your nearest AEL broadcast sales specialist.

K2 Dyno Replay System

The K2 Dyno replay system is a comprehensive set of workflow tools that are easy to use to provide quick set-up before the event, professional on-air playback during the event with SD and HD smooth slo-mo, and instant replay and easy packaging of all the material after the event for post production.

The K2 Dyno is designed to be an easy-to-use instant replay and highlight generation system for standard-definition and high-definition (SD and HD) production.

The K2 Dyno software is optimized for live event production. Its core offering consists of instant replay, smooth slo-mo with a high quality T-bar and jog knob, fast marking of key events, on-the-fly highlights generation with built-in mix effects on each channel and easy metadata entry.

For more information, please contact your nearest AEL Broadcast Sales Specialist.

Panasonic

Panasonic H.264/AVC Intra-only Compression for P2 Applications

What is AVC-Intra?

AVC-Intra, the industry’s most advanced compression technology, is a professional intra-frame video codec with bit rates of 50 and 100 Mb/s, utilizing the High 10 Intra and High 422 Intra profiles of H.264. Intra-only compression completes the compression processing within an individual frame, and Inter (Long GOP) compression completes the processing over multiple frames.

Inter-frame compression, (long GOP) is usually used for content delivery and packaged media; in this mode its efficiency is unequalled. However, any image manipulation or processing will severely degrade the image quality in long GOP compression schemes.

AVC-Intra stands up to rigorous editing, including compositing, multiple layers of video etc, far better than long-GOP compression scheme. The storage and bandwidth savings, without the compromises of long GOP compression, allows AVC-Intra 50 to provide subjectively similar video quality to DVCPRO HD at one half the bitrate, thus doubling the recording time on the P2 cards, a powerful solution that cuts media storage and distribution costs.

Both AVC-Intra and DVCPRO format files, of all video standards and frame rates can reside on the same P2 card.

If you need an uncompressed workflow and/or want to edit AVC-Intra on a non-linear editing system that does not currently support AVC-Intra the Panasonic AJ-HPM100 P2 HD Mobile recorder/player can be used as a player. The P2 Mobile has several I/O options, including HD-SDI, analog with RS-422 serial control for easy ingest to high-end NLE systems.

Panasonic has been working with leading industry partners opening AVC-Intra to leading NLE companies for compatibility and product support.

Panasonic is not replacing DVCPRO with AVC-Intra. AVC-Intra is simply a more advanced, efficient compression technology offered as an option in addition to the DVCPRO family of codecs in selected P2 HD equipment.

For more information, please contact your nearest AEL broadcast sales specialist.

K2 Dyno Replay System

The K2 Dyno replay system is a comprehensive set of workflow tools that are easy to use to provide quick set-up before the event, professional on-air playback during the event with SD and HD smooth slo-mo, and instant replay and easy packaging of all the material after the event for post production.

The K2 Dyno is designed to be an easy-to-use instant replay and highlight generation system for standard-definition and high-definition (SD and HD) production.

The K2 Dyno software is optimized for live event production. Its core offering consists of instant replay, smooth slo-mo with a high quality T-bar and jog knob, fast marking of key events, on-the-fly highlights generation with built-in mix effects on each channel and easy metadata entry.

For more information, please contact your nearest AEL Broadcast Sales Specialist.

Panasonic

Panasonic H.264/AVC Intra-only Compression for P2 Applications

What is AVC-Intra?

AVC-Intra, the industry’s most advanced compression technology, is a professional intra-frame video codec with bit rates of 50 and 100 Mb/s, utilizing the High 10 Intra and High 422 Intra profiles of H.264. Intra-only compression completes the compression processing within an individual frame, and Inter (Long GOP) compression completes the processing over multiple frames.

Inter-frame compression, (long GOP) is usually used for content delivery and packaged media; in this mode its efficiency is unequalled. However, any image manipulation or processing will severely degrade the image quality in long GOP compression schemes.

AVC-Intra stands up to rigorous editing, including compositing, multiple layers of video etc, far better than long-GOP compression scheme. The storage and bandwidth savings, without the compromises of long GOP compression, allows AVC-Intra 50 to provide subjectively similar video quality to DVCPRO HD at one half the bitrate, thus doubling the recording time on the P2 cards, a powerful solution that cuts media storage and distribution costs.

Both AVC-Intra and DVCPRO format files, of all video standards and frame rates can reside on the same P2 card.

If you need an uncompressed workflow and/or want to edit AVC-Intra on a non-linear editing system that does not currently support AVC-Intra the Panasonic AJ-HPM100 P2 HD Mobile recorder/player can be used as a player. The P2 Mobile has several I/O options, including HD-SDI, analog with RS-422 serial control for easy ingest to high-end NLE systems.

Panasonic has been working with leading industry partners opening AVC-Intra to leading NLE companies for compatibility and product support.

Panasonic is not replacing DVCPRO with AVC-Intra. AVC-Intra is simply a more advanced, efficient compression technology offered as an option in addition to the DVCPRO family of codecs in selected P2 HD equipment.

For more information, please contact your nearest AEL broadcast sales specialist.

K2 Dyno Replay System

The K2 Dyno replay system is a comprehensive set of workflow tools that are easy to use to provide quick set-up before the event, professional on-air playback during the event with SD and HD smooth slo-mo, and instant replay and easy packaging of all the material after the event for post production.

The K2 Dyno is designed to be an easy-to-use instant replay and highlight generation system for standard-definition and high-definition (SD and HD) production.

The K2 Dyno software is optimized for live event production. Its core offering consists of instant replay, smooth slo-mo with a high quality T-bar and jog knob, fast marking of key events, on-the-fly highlights generation with built-in mix effects on each channel and easy metadata entry.

For more information, please contact your nearest AEL Broadcast Sales Specialist.
AEL EDMONTON SUCCESSFUL OPEN HOUSE

On April 30th, our Edmonton staff hosted a highly successful Open House to showcase our new office space and warehouse facility and had an outstanding turnout of customers and industry partners. Lunch and refreshments were served and incredible door prizes were drawn. Aside from conducting tours of the office space, Polycom video conferencing technology and Crestron control system demonstrations were held in the boardroom, SMART interactive whiteboards, Panasonic cameras (including the new AG-HVX-300) as well as equipment from Grass Valley, Tektonix, Doremi, and AJA were showcased in the warehouse space. Stationed in the back parking lot for show-and-tell was an Alberta Environment mobile command sprinter which was supplied and installed with broadcast equipment by AEL’s Edmonton broadcast team. Our Edmonton staff is very pleased to have expanded office and warehouse space and our customers should find this office considerably easier to locate and access, as it is now minutes from downtown Edmonton and adjacent to Highways 16 and 216.

We Live in Marvelous Medical Times

Some of you may remember one of our well-known and respected sales people, Stan Maruno (retired). You may not know that when he was employed by AEL, he donated a kidney to his sister in 1993. In a recent conversation with Stan, he is doing well and living a healthy, normal life. His sister, who was born with only one kidney and a 35% functional second kidney, is doing reasonably well after 15 plus years. We are certainly pleased to hear this news and wish them both many more years of good life.

On the same subject, AEL has had a second employee who has donated a kidney. Our always-smiling and pleasant Broadcast Technical Service Coordinator, Nadia Freihat, donated a kidney to her brother on April 29, 2009. Both are doing very well and Nadia has already returned to work as of June 15th. Welcome back Nadia!

New Little Additions to the AEL Family

Mackenzie Nicole Campbell, Dave McGinn and wife Jan’s first grandson, arrived on February 18th at 9:03 am in Kingston, Ontario, weighing 7 lbs 11 oz. Dave’s daughter, Tanya, and her husband, Mike, are ecstatic about their healthy daughter and welcome frequent visits from grandpa-Dave and grandma-Jan.

Eugene McElney and wife, Catherine, welcomed a cheerful 7 lbs grandson on May 4th at the Women’s College Hospital in downtown Toronto. David Scott Graham Shelton has adapted well to his new home in the town of Evert, just outside of Alliston, Ontario, and is working hard to get his parents, Leigh and Matt, trained on his schedule.

Trevor Joice and wife, Jean, became grandparents for the first time on June 11th at 3:07 am. Their son David and wife, Jessica, are super excited to bring home little Benjamin Smith Joice, a healthy 7 lbs 1 oz. baby boy. Mom and baby are doing very well. David is a Manager at Bell ExpressVu. The big question is: Will Benjamin be a third generation broadcaster?

Samantha Ammar
Receptionist/ Administrative Assistant
Edmondon

When prospects and customers call our Edmonton office, they are greeted with a very pleasant, friendly voice. That voice belongs to Samantha Ammar, our new Receptionist/Administrative Assistant, who is a graduate from Northern Alberta Institute of Technology University with an Office and Records Administration diploma. As AEL’s Edmonton office anchor, Samantha is involved in the day-to-day operations of the office and is responsible for inbound calls, processing sales orders, shipping and receiving, and other administrative duties. In her spare time, she enjoys kickboxing, dancing and travelling. Samantha is definitely a welcomed addition to the AEL family.

AEL Calgary Stampede Breakfast

A reminder that AEL’s Annual Calgary Stampede Breakfast is being held on Friday, July 10th between 8:30 am – 11:00 am. All are welcome. For more information, please contact Jane Baker in our Calgary office at (403) 291-5143.

Roy Danics
A/V Sales – Toronto

Roy joins AEL’s Audio Visual Systems Division with 20 years of sales experience including 5 years specializing in videoconferencing and A/V integration. With a BA Economics degree from York University, Roy is the latest addition to the A/V sales team in the Mississauga office, managing accounts and collaborating with customers and AEL staff on the design of A/V systems and installations.

Roy and wife, Carol, have two children, Ben (10) and Carly (7). He is also a multi-instrumentalist, photographer and enjoys his kid’s sports including minor hockey. Welcome to the team, Roy!

Mark Stuckey
A/V Project Manager
Toronto

Mark originally worked for AEL back in 1992 – 1995 as an Installations Technician and is now back with us as an A/V Installations Project Manager in our Mississauga office to oversee A/V project installations and act as a liaison between clients and the installation crews & contract personnel. Mark previously worked for FCI Technical Installations for 3 years as a broadcast and A/V installations technician and lived in Brazil for over 14 years working in rehabilitation of street kids and drug addicted youth. Mark is a fulltime father to two active, busy daughters, Kimberly (15) and Jenna (12). Welcome back to AEL, Mark!