27th Annual
National Trade Show & Education Forum

Canadian Healthcare Engineering Society

“Managing Risks in Healthcare”

September 9 - 11, 2007
Calgary Telus Convention Centre
Calgary Alberta

Thank You To Our Sponsors
The Canadian Healthcare Engineering Society and the 2007 Organizing Committee gratefully acknowledge the generous contributions and financial support of the companies listed on the cover.

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<td></td>
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<td>Delegate Breakfast</td>
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<td><strong>Morning</strong></td>
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<td>The Great CHES Golf Game</td>
<td>Opening Ceremonies Award Presentations</td>
<td>Tracks 5A &amp; 5B</td>
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<td>1045-1200</td>
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<td><strong>Lunch</strong></td>
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<td>Lunch on your own</td>
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<td>Lunch in Trade Show</td>
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<td>Fine Dining Expedition</td>
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<td>Calgary Walking Tour</td>
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<td>Board buses for Calgary Zoo</td>
<td>CHES 07-08 Board of Directors Meeting</td>
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<td>1800-1900</td>
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<td>Opening Reception in Trade Show</td>
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<td>President's Reception</td>
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<td>1900-2200</td>
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<td>Gala Banquet at Calgary Zoo</td>
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Message from Honourable Ed Stelmach
Premier of Alberta

On behalf of the Government of Alberta, I would like to welcome you to the Canadian Healthcare Engineering Society’s 2007 National Trade Show and Education Forum. To those of you who have traveled from elsewhere to be here - welcome to Alberta!

Improving the quality of life of Albertans and the quality of care they receive in the environment in which it is delivered is a priority for this government. Over the years, the Canadian Healthcare Engineering Society has provided valuable information and insight that has helped the Alberta government develop one of the best health care systems in the nation.

These conferences, and the ongoing efforts of this organization, are very much appreciated and valued by all Albertans who benefit from your good work. This year, you will have the opportunity to expand on ideas and knowledge by engaging with members of the International Federation of Hospital Engineering. Thanks to everyone involved for bringing together such an impressive array of experience and expertise.

Congratulations on your contributions and best wishes for the future.

Ed Stelmach

September 9 - 11, 2007
Message from the Honourable Dave Hancock  
Minister of Health and Wellness

On behalf of my colleagues in the Legislature, I would like to extend
greetings to all participants of the Canadian Health Care Engineering
Society’s 2007 National Trade Show and Education Forum.

I am sure that this conference will be a valuable experience for each and
every one of you.

This year’s theme, “Managing Risks in Healthcare” is an important one, and I am pleased to see
it is given top priority as government and the health professions progress into the future.

All of you in attendance, including the guests from the International Federation of Hospital
Engineering, are champions for creating state-of-the-art health care environments. Your work is
greatly appreciated.

I would like to congratulate the society for supporting and ensuring the success of this
conference. Your hard work and commitment is sincerely commended.

Have a productive and enjoyable conference!

Dave Hancock, Q.C.
Minister of Health and Wellness
A MESSAGE FROM MAYOR DAVE BRONCONNIER

On behalf of City Council and the citizens of Calgary, I am delighted to welcome participants to the 2007 Canadian Healthcare Engineering Society (CHES) National Trade Show and Education Forum, held in conjunction with the International Federation of Hospital Engineering (IFHE).

The theme of this year’s annual Conference is “Managing Risks in Healthcare”. Featuring forums and opportunities for attendees to work collaboratively and exchange ideas on how to better prepare and manage crisis in our communities and organizations, your conference provides an invaluable learning opportunity. Take advantage of the expertise provided through a series of speakers, presentations and displays.

I am pleased that Calgary will play a supporting role in this important gathering. Our city salutes all participants from across the world. During your conference activities, I encourage you to explore the unique services the city has to offer, to embrace our warm and friendly brand of hospitality.

Best wishes for a successful and memorable convention!

Dave Bronconnier
MAYOR
CHES Business Meetings

SATURDAY SEPTEMBER 8, 2007
0930-1030  CHES Healthcare Standards Committee  Kensington A, Marriott Hotel
1030-1045  Break
1045-1215  CHES Communications Committee  Kensington A, Marriott Hotel
1230-1330  Lunch - CHES Board members & Committee members  Mount Royal, Marriott Hotel
1330-1600  CHES 2006-07 Board of Directors  Kensington A, Marriott Hotel

MONDAY SEPTEMBER 10, 2007
1330-1430  CHES National Annual General Meeting  Macleod Hall D, Telus CC

TUESDAY SEPTEMBER 11, 2007
0930-1000  CHES Alberta Chapter Annual General Meeting  Macleod Hall D, Telus CC
1000-1030  HEAA Annual General Meeting  Macleod Hall D, Telus CC
1100-1115  CHES Board/Exhibitors  Glen 210, Telus CC
1115-1200  2007 & 2008 Organizing Committees  Glen 210, Telus CC
1630-1800  CHES 2007-08 Board of Directors  Glen 210, Telus CC

WEDNESDAY SEPTEMBER 12, 2007
0900-1700  CHES Board of Directors Strategic Planning  Kensington A, Marriott Hotel

IFHE Business Meetings

SUNDAY SEPTEMBER 9, 2007
0900-1700  IFHE Executive  Glen 210, Telus CC

TUESDAY SEPTEMBER 11, 2007
0900-1700  IFHE Council  Glen 209, Telus CC

Welcome to all IFHE delegates!
Welcome from the CHES President

On behalf of the CHES National Board of Directors I would like to welcome all delegates, spouses, exhibitors, sponsors, presenters, and our special IFHE guests from across the globe to Calgary and the 2007 CHES National Trade Show and Education Forum.

I am sure that this year’s national event will not disappoint anyone, especially with the added bonus of the international flavour provided by the International Federation of Hospital Engineers. So much work has been put in by the 2007 Organizing Committee led by Dan Rozak to insure a successful conference. I thank Dan and his entire committee for their hard work and dedication.

I would also like to thank our exhibitors, sponsors, and presenters as there would be no conference without your tremendous support. Thank you very much.

And to all of you, please have a GREAT conference.

Steve Rees, CFM
President
Canadian Healthcare Engineering Society

CHES Board Of Directors
2005 – 2007

President ................................................................. Steve Rees
Vice President .......................................................... Wayne McLellan
Past President ....................................................... Gordon Burrill
Secretary ................................................................. Per Paasche
Treasurer ................................................................. Robert Waldriff
Alberta Chapter Chairman ........................................ Ken Davis
Atlantic Chapter Chairman ........................................ Ralph Mayfield
British Columbia Chapter Chairman .......................... Steve McTaggart
Manitoba Chapter Chairman ........................................ Gordon Neal
Ontario Chapter Chairman ........................................ J.J. Knott

Committees

CHES Awards Committee Chairman ........................... Roland McIntosh
CHES Communications Committee Co-Chairmen .......... Wayne McLellan, Per Paasche
CHES Education Committee Chairman ........................ George Pankiw
CHES Healthcare Standards Committee Chairman .......... Gordon Burrill
CHES 2007 Trade Show & Education Forum
Organizing Committee

Dan Rozak, B.Sc., P.Eng. (Chair)

Henry Doornberg, P.Eng.
Principal, Beaubien Glover Maskell Engineering South Inc.

Gordon Burrill, P.Eng., SASHE
President, Teegor Consulting Inc.

Ken Davis
Senior Manager, Facilities Management, Royal Alexandra Hospital

Marcel Hebert
Calgary Health Region, The Foothills Hospital

Grant Kidd
Associate, Stantec

Allan Roles
Engineering & Maintenance, Support Services, Calgary Health Region

Devin P. Shiskowski
Systems Branch Manager-Alberta, Johnson Controls LP

Jeff Smith
Sales Manager, VitalAire

CHES Executive Liaison
Wayne McLellan, Vice President, CHES

Liaison CHES 2008
Barry Hunt

Conference Office
Elizabeth Hooper, Executive Director, CHES
Donna Dennison, Membership Affairs, CHES

2007 National Facilities & Healthcare Engineering Week
OCTOBER 14 - 20, 2007
Welcome from the Organizing Committee

On behalf of the CHES National and Administrative Offices and the 2007 Organizing Committee, I would like to welcome everyone to our CHES 2007 National Trade Show and Education Forum. This year in addition to attendees from across Canada and locally, we are indeed honoured to have with us a number of delegates from around the world representing the International Federation of Hospital Engineering (IFHE). IFHE will be holding their Executive Committee and Council Meetings during this time and will in many cases be in attendance at our various programs and social functions. In addition I would also like to welcome and thank the speakers, sponsors and exhibitors for their participation and support in making this years program a great success.

As a part of the responsibilities, our Organizing Committee was tasked with the challenge of developing a theme for our conference. It did not take long to come up with our theme “Managing Risks in Healthcare” as many of us were facing these challenges on a day to day basis. It was clearly evident that the local and global economies were heating up as rarely seen before with exponentially increasing demands on scarce resources. Risks that were not even a consideration in the past are very much with us now. If not managed properly, these risks will have a significant negative impact on the delivery of healthcare service and patient outcome. Our 2007 conference program is designed to focus on these new realities for the healthcare engineering industry.

The program includes highly respected international, national and local presenters, all of who have extensive experience in the industry. Topics include risk management strategies and experiences that are related to a number of facets of healthcare engineering including; corporate approach to facility management, risk management in the oil industry, environmental concerns, pandemic issues, hospital construction, air and water quality, convergence of security, life safety codes, renewable energies, disaster response, hospital systems design, drawing management, IT building convergence, medical gases as well as a humorous look at the life cycle of a healthcare facility.

In addition to our education program, we also have participating in our program an extensive number of exhibitors and sponsors including; consultants, suppliers and contractors who we depend upon on a continuing basis and are in partnership with in managing risks in our facilities.

To deal with the old adage “All work and no play” we have included a number of social events including; the Great CHES Golf Game as promised at the Kananaskis Golf Club, Companions Program, Gala Banquet as well as a very special Pancake Breakfast.

I would like to again extend very warm western welcome to everyone to a conference that I am sure will provide you with unparalleled educational, social as well as networking opportunities.

Dan Rozak, B.Sc., P.Eng.
Chairperson
CHES 2007 National Trade Show & Education Forum
Floor Plans

North Building, upper level

South Building, lower level

South Building, upper level
General Information

CONFERENCE LOCATIONS: Calgary Telus Convention Centre

Trade Show: Exhibition Hall C/D, upper level, North Building
Education Forum: Macleod Hall D, lower level, South Building
                  Glen 205, upper level, South Building
Registration: Pre-function Hall, upper level, North Building
Monday Breakfast: Glen 209, upper level, South Building
Tuesday Breakfast: Pedestrian Mall outside Calgary Marriott Hotel

TRADE SHOW HOURS:
Sunday September 9, 2007  1800 - 1930
Monday September 10, 2007  1000 - 1700
Tuesday September 11, 2007  0930 - 1300

INTERNET CAFÉ - Located on Trade Show Floor
✓ Internet Café sponsored by Ashlar Architecture Ltd. PLATINUM SPONSOR

DELEGATE REGISTRATION DESK HOURS:
Sunday September 9, 2007  1000 - 1800
Monday September 10, 2007  0700 - 1600
Tuesday September 11, 2007  0700 - 1300

REGISTRATION SPONSORS:
✓ Final Program sponsored by Westcor Construction Ltd. GOLD SPONSOR
✓ Registration bags sponsored by Tremco Weatherproofing Technologies GOLD SPONSOR
✓ Cowboy Hats (registration gift) sponsored by Ellis Don Construction Services Inc.
  PLATINUM SPONSOR
✓ Official Time Sponsor - Primex Wireless SILVER SPONSOR

GENERAL INFORMATION
Name Badge: Delegates are asked to wear their name badge to all conference functions.

Social Events & Meals: Applicable tickets for meals and social events will be in the registration packages and will be collected at each function.
Social Events

SUNDAY SEPTEMBER 9, 2007

The Great CHES Golf Game
Kananaskis Country Golf Club

❖ Sponsored by Impact Construction  GOLD SPONSOR

Tee off times are 0851 to 0954. Participants should arrive approximately 1 hour prior to tee off time for breakfast and practice balls. Tournament should be finished at approximately 1430.

Once again, delegates and exhibitors are invited to participate in The Great CHES Golf Game. The tournament will be held at Kananaskis Country Golf Club, located in the heart of the Canadian Rockies, less than an hour's drive from Calgary. You will play golf in an unforgettable landscape - the rugged surrounding mountains tower 10,000 feet above sea level, and the course itself is at almost 5,000 feet. Transportation: Buses will leave from the Calgary Marriott Hotel Board buses at 0700

Opening Reception
1800-1930
Exhibit Hall: Exhibition Hall C/D, Calgary Telus Convention Centre

CHES President Steve Rees cordially invites all delegates to attend the Opening Reception in the Trade Show Hall of the Calgary Telus Convention Centre. Join us to officially open the Trade Show and greet old friends and new delegates. Reception ticket included in Full Delegate Registration and in Companion Meal Package

MONDAY SEPTEMBER 10, 2007

Gala Banquet
1800-1900
President's Reception
❖ Sponsored by D. Owen Construction Limited  PLATINUM SPONSOR

1900 – 2200
Gala Banquet
❖ Entertainment Sponsored by Johnson Controls LP  PLATINUM SPONSOR

Calgary Zoo, Botanical Garden & Prehistoric Park, 1300 Zoo Road NE

The banquet will be held at the Safari Lodge in the Calgary Zoo. The Calgary Zoo is the only facility of its kind offering a world-class zoo, prehistoric park, botanical gardens and conservation centre. The Lodge is located in the “Destination Africa” complex of the zoo. Banquet ticket included in Full Delegate Registration and in Companion Meal Package

Transportation: Buses will leave from the Calgary Marriott Hotel Board buses beginning at 1730; last bus departs hotel at 1815 The buses will return guests to the hotel.
Day Tours

SUNDAY SEPTEMBER 9, 2007

Calgary Walking Tour

1300 - 1600

The tour will start at the Calgary Tower, which features spectacular views of Calgary and the Canadian Rockies as well as a new glass floor attraction. Our next stop is the Glenbow Museum "Where the World Meets the West" -where intriguing stories from Western Canada connect with extraordinary art and artifacts from around the world. Combining a museum, art gallery, library and archives all under one roof, Glenbow boasts over a million artifacts and some 28,000 works of art in its vast collections and is one of the largest museums in Canada. The tour will also provide some shopping time on Stephen Avenue. Meet in Lobby of Calgary Marriott Hotel at 1250.

MONDAY SEPTEMBER 10, 2007

Fine Dining Expedition

1315 - 1530

Don't forget to bring your appetite! Stephen Avenue Mall is studded with gastronomic gems that will amaze you. On this professionally guided tour, you will sample selections from some of Canada's best restaurants while learning the history of each spectacular building. Dress in casual clothing and comfortable shoes. Meet at the base of the Calgary Tower at 1315 and look for the Urban Safari Tours.

TUESDAY SEPTEMBER 11, 2007

Banff Tour

0900 - 1500

Your adventure in the Rockies will take you to beautiful Banff! This tour features the spray of cool waterfalls, a taste of local history, and a chance to spy on wildlife. To start, feel the power of the Bow Falls and the beauty that surrounds it just below the Fairmont Banff Springs Hotel. Continue exploring from some of the best views in town - Surprise Corner on Tunnel Mountain Drive, the Hoodoos (oddly shaped pillars of glacial rock), Mount Norquay's winding road and Sulphur Mountain's peak. A box lunch is included. Meet in Lobby of Calgary Marriott Hotel at 0845.
## Trade Show Exhibitors

Company is an Industry Partner on the CHES web page.

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<td>Delta T. Components</td>
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<td>Kraus McMahon</td>
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<td>NFPA</td>
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<td>#506</td>
<td>Stanley Security Solutions</td>
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<td>#507</td>
<td>VFA, Inc.</td>
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<td>#508</td>
<td>norâ® Rubber Flooring</td>
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<td>#509</td>
<td>Sybertech Waste Reduction Ltd.</td>
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<td>#510</td>
<td>Freudenberg Nonwovens</td>
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<td>#512</td>
<td>Hazmasters</td>
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<td>#514</td>
<td>Mintie Technologies, Inc.</td>
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<tr>
<td>#511/513</td>
<td>Siemens Buildings Technologies</td>
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<td>#515</td>
<td>Siemens Water Technologies</td>
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<td>#517</td>
<td>Document Conversion Management Inc.</td>
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<td>#518</td>
<td>Rauland-Borg Canada Inc.</td>
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<td>#519</td>
<td>Getinge Canada Ltd.</td>
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<td>#521</td>
<td>Firetec Health &amp; Safety Ltd.</td>
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<td>#527</td>
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## Posters

**S101**

**Bill Corrigan**, Manager, Business Development and Partnerships, Tremco-Weatherproofing Technologies Canada

**S102/103**

**Tim McGinn**, Principal, Cohos-Evamy Integrated Design

**S104**

**Randy Drage**, Senior Account Manager, BGE Service & Supply Ltd.

**S105**

**Barry Hunt**, President, Class 1 Inc.

**S106**

**Philip Renaud**, Director of Engineering, London Health Sciences Centre
CHES Trade Show
Floor Plan

Exhibition Hall C/D
Upper Level, North Building
Calgary Telus Convention Centre
Exhibitor Products

425 Abatement Technologies Ltd.
Abatement Technologies products are used today in more than 2,500 hospitals and healthcare facilities for a variety of applications, including: protecting patients and personnel during construction and renovation projects by complying with CSA Infection Control Guidelines, negative-pressure Airborne Infectious Isolation (AII) rooms for TB and Sars patients; positive pressure Protective Environments (PE) for immuno-compromised patients, and for BioT emergency response.

403 Acrylicon Industrial Floors
Proven MMA based floor, non porous, seamless/monolithic, cures 1 hour, easily cleaned, chemical thermal and impact resistance, easily repaired or recoated, slip resistance, MICROBAN incorporated, LIFETIME DELAMINATION WARRANTY.
Installed worldwide (30yrs.) for industrial kitchens, hospitals, laboratories and medical facilities.

123 Armstrong World Industries
We have been manufacturing great healthcare products for over 145 years. Our long-standing tradition of quality and product knowledge makes us the most trusted name in the industry. At Armstrong, many of our products are made from renewable and abundant natural resources or contain recycled content. Visit us at www.armstrong.com.

411 Asco Power Technologies Canada
For more then 40 years ASCO has been the leading Canadian manufacturer of Automatic Transfer switches and synchronizing systems. We are proud of having introduced every major technical innovation in the transfer switch marketplace.
We provide nationwide 24 hour field service for all of the products we manufacture.

210 Ashland Water Technologies

306 Austco (Canada)
For over 20 years, Austco has been a leader in Emergency Call Systems through our Innovative Modular Design and Listen to the Client Philosophy. We are your source for Nurse Call, Integration, Dementia Care, Patient/Resident Wondering, Asset Tracking, and Wireless Technologies. Let Austco design a system that works for you.

220 BGE Service & Supply Ltd.

402 Biomedical Inspection Services Ltd.
Biomedical Inspection Services provides engineering and technical services to the health care industry in two areas:
- Inspection, testing and certification for new and renovated medical gas piping systems and annual testing and services for these systems.
- Electrical safety testing, performance verification, calibration and repair services on biomedical equipment in hospitals.

305 Brodi Specialty Products Ltd.
Canadian owned since 1976, Brodi provides FULL SERVICE treatments for Grease Traps, Sanitary Sump Pits, XRay Drains & Plaster Traps using biologically friendly “Green” solutions.
Benefits:
- Minimize “Pump Outs”
- No foul odours,
- Save Money & labour
Brodi also has a complete line of specialty plumbing, electrical, HVAC & mechanical solutions”

423 Busch Vacuum Technics Inc.
Busch Vacuum Technics Inc. is the Canadian affiliate of the worldwide Busch Group of companies with our head office being located in Boisbriand, Quebec. Busch Vacuum is the world leader in the designing, engineering and manufacturing of industrial vacuum pumps and systems throughout the world. For over 40 years, our expertise in many industries as well as our state of the art technology in quality control has permitted Busch to excel and offer proven solutions for all industries at competitive prices. Together with VitaAire, our exclusive distributor for the Canadian medical market, Busch Vacuum Technics packages state-of-the-art totally integrated medical vacuum and medical air systems.
116 Camfill Farr (Canada) Inc.
Nowhere is air filtration more important than in a health care facility. The level of airborne infectious contaminants increases proportionately with the increased population density of infected individuals. Camfil Farr, the world’s leader in air filtration solution and filter production with a complete line of particulate filters, carbon filters, HEPA filters and certification service.

300 CanTest Ltd.
CANTEST is one of the largest accredited medical gas pipeline inspection companies in Canada, offering complete inspections and testing of all medical gas systems. This includes inspections of: Bulk installations, Sources of supply, Oxygen concentrators, Hyperbaric facilities, and testing of: Outlet flows, Cross connections, Valves, Alarms, Gas concentrations, and Purity analysis. CANTEST is accredited by the Standards Council of Canada (SCC) and is recognized by the Canadian Standards Association (CSA) for the analysis and inspection of Medical Gas Piping Systems.

207 Caster Town Ltd.
Over the past 30 years Caster Town has become a leader in the caster and wheel industry and most recent a distributor of Wheelchair Parts and Blood Pressure Equipment. With offices in Calgary, Edmonton, and Vancouver we are a major supplier of casters, wheels, wheelchair parts, blood pressure equipment, etc. in Western Canada. Our reputation is based on customer service, quality products and strong knowledge of these industries.

505 CGC Inc.
CGC Inc. is a leading marketer, manufacturer and distributor of gypsum wallboard products, interior finishing materials and suspended acoustical ceilings in Canada. CGC is recognized as a key player in Canada's dynamic building materials industry, supplying innovative wall and commercial products to the new construction and repair and remodel markets of the residential, commercial and institutional sectors.

422 Chamco Industries Ltd. / Comairco Equipment Ltée.

419 Chem-Aqua
Chem-Aqua provides custom designed programs that solve water treatment problems; and make boiler, cooling, and process water systems more efficient. Our Total System Approach delivers results with a comprehensive program of products, equipment, and services that address the unique requirements of each system. Please call us today @ 1-800-268-0838 ext. 231 for a free, no obligation survey of your system.

205 CHES Canadian Healthcare Engineering Society
The Canadian Healthcare Engineering Society provides a vehicle for excellence in communication and professional development in healthcare facilities management. We are a non-profit voluntary society promoting improved planning, design, operation and management of healthcare technical services systems.

203 CHES 2008
The 2008 CHES National Trade Show and Education Forum will be held in Toronto Ontario at the Metro Toronto Convention Centre September 14-16, 2008. We invite all of our delegates and members, sponsors, and exhibitors to join us for this conference.

309 Class 1 Inc.
Class 1 Inc. manufactures and distributes medical gas equipment, medical supply units, respiratory equipment, and isolated power centres. We serve Mechanical, Architectural, Electrical, and Respiratory markets in hospitals, labs, universities, and specialty industries from coast-to-coast in Canada from our 12,000 square foot head office in Cambridge, Ontario.

225 C/S Construction Specialties Company
Your exclusive supplier for Acrovyn® Interior Wall and Door protection products. Manufacturing Acrovyn® corner guards, handrails, crash & accent rails, protective wall coverings, door and frame protection and the NEW Acrovyn® Door System.

308 Delta Controls
For more than 20 years Delta Controls has offered dependable and user-friendly building control solutions to commercial, government and retail buildings, as well as schools, universities, hospitals, airports and more. We delivered the world’s first fully integrated native BACnet building solution encompassing HVAC, Lighting and Access products. Our goal in everything we do—from product research to service and support—is to do the job right. All the time, every time.
204 Delta T Components
Featuring AP Armaflex, the original mold-resistant, fiber-free elastomeric foam insulation for air ducts, chilled water, HVAC systems. Closed cell structure prevents moisture and helps protect indoor air quality. AP Armaflex insulation is air plenum rated and healthcare safe. Made exclusively with Microban antimicrobial treatment for added protection against mold.

125/127 Direct Energy

212 Disaster Kleenup Canada
Disaster Kleenup International (Canada) Ltd., (DKC) is the country’s pre-eminent emergency response for property damage... commercial, institutional or residential. With the industry’s largest group and best-trained technicians - we are just a phone call away - 24 hours a day - 365 days a year. For full restoration services - coast to coast - call 1-800-DKI-TODAY (1-800-461-6224).

517 Document Conversion Management Inc.

409 Dri-Stem Corporation
Complete line of humidifiers, dispersion systems and microprocessor controls that can perform virtually any function needed for accurate, non-interruptible relative humidity control. DRI-STEEM has provided desirable atmospheric conditions for cleanrooms, hospitals, museums and many more to improve process-critical operations, enhance productivity and health in the workplace, and preserve priceless artifacts.

118 DUZcart
DUZcart is an accessible ceiling, mobile, dust containment cart designed for quick and easy deployment. It has been built for the rigors of repetitive use. An ingenious cart designed and built by people who use them every day.

407 E.H. Price
E.H. Price Limited is a sales and manufacturing company supplying air distribution products to the North American marketplace. Price provides many products for healthcare, laboratory and cleanroom applications including: specialized diffusers and terminal units, corrosive resistant fans, containment filtration systems and filters, fume hood and isolation controls and cleanroom ceiling systems.

404 E5 Group Inc.
E5 Group is the leader in advanced mission-critical services and products. Known for design innovation and industry leadership, E5 offers the best in product manufacturing, technical expertise and support services to create unsurpassed, customized solutions that safeguard medical, industrial, commercial and governmental critical facility applications.

427 Eaton Power Quality Company
Eaton | Powerware® offers a full suite of UPS solutions from 500va to 6,000kva to suit your load protection requirements. In a variety of form factors from rack mount deployment to floor standing cabinets, these systems come complete with industry leading software and connectivity tools to proactively manage your power systems to the level you require. Backed by an extensive service network, 11 service centers across Canada, Eaton | Poweware® ensures your uptime with onsite 7 x 24 service offerings.

101 EECOL Electric Corporation

209 Erv Parent Co. Ltd.

222 Evergreen Technologies
Evergreen Technologies is the parent company of:
Power Suction Services was incorporated in 1958 to service the institutional, commercial and industrial HVAC systems cleaning market.
Poly Surface Solutions supplies specially adhesive poly film used for infection control barriers and surface protection.
Innovative Air Solutions distributes small wind turbines used to power parking lot lights among other applications.

424 Firetec Health & Safety Ltd.
Firetec Health & Safety provides completely integrated Healthcare Communications Systems. Our Spider Alert System provides Nursecall, Staff Alert (Code White), and door security in either a wireless or hardwired configuration. Wireless medical phones, wandering patient, bedside two-way voice, area access control and video monitoring are some of our other specialties.

405 Flanders-Precisionaire
Flynn Canada Ltd.
Flynn Canada Ltd. is Canada’s leading building envelope trade contractor. For over 25 years we have been providing contracting services in the institutional, commercial and industrial construction marketplace. From coast to coast, our dedicated and motivated teams will make your construction experience with Flynn Canada Ltd. a positive one.

Follett Corporation
Manufacturer of high-quality, space-saving ice and water dispensers and medical-grade undercounter refrigerators and freezers for the healthcare marketplace. More than 35 models of countertop, floor and wall mount ice and water dispensers meet the space and capacity requirements of virtually any facility. See why Follett is the industry leader at www.follettice.com.

Forbo Flooring

Freudenberg Nonwovens

GE Security
GE Security specializes in the development, manufacture, distribution, installation and service of life safety, security and communications products for the institutional, commercial and industrial markets. Our product portfolio includes fire alarm, nurse call, wandering patient, security, access control, emergency lighting, intercom, public address, phone, signaling and timekeeping systems.

Georgia Pacific Canada

Getinge Canada Ltd.
Getinge is the world leader in sterilization, disinfection and surgical equipment. Our North American network is comprised of a comprehensive group of established companies. Through Getinge CANADA, we provide healthcare and life sciences equipment to service the hospital healthcare market along with research and laboratory facilities across Canada.

Golder Associates Ltd.
At Golder Associates, we strive to be the most respected global group specializing in ground engineering and environmental services. Golder’s Environmental Health and Safety Group is a full service provider of health and safety services including industrial hygiene, hazardous materials management, indoor air quality, training and education, program development and auditing and turn around support services.

H.H. Angus & Associates Limited
H.H. Angus & Associates Limited is a consultancy of engineers focused on the Canadian healthcare market. Providing insight into the design, construction, and maintenance of healthcare facilities, we aspire to foresee the needs of our clients with specific expertise in mechanical, electrical, elevators, lighting and communications.

Hazmasters
Hazmasters is the leader in providing solutions for dust control, remediation products, and personal protection equipments. We carry a full range of products to protect both workers and other occupants from dust hazards created by maintenance or construction as well as from the hazards of mould. Hazmasters has been providing safety solution since 1989.

Honeywell Limited
Honeywell offers innovative solutions with guaranteed results to address healthcare specific challenges. Our offering includes energy management services that optimize building utilities; integrated building control, infection control, life safety and security solutions that enable dynamic facility control; and monitoring to control and optimize building utilities.

IgeaCare Systems Inc.
IgeaCare Systems Inc. manufactures state-of-the-art telephony based communication systems. Our technology coupled with our strategic partnerships, enables us to increase productivity and quality of care by providing complete communication solutions to the healthcare sector.

Imperial Parking Canada
With over 1,800 parking facilities and 425,000 parking stalls under management, Impark is Canada’s largest parking manager. Hospital parking is a long-standing specialty for Impark. We have the expertise to balance the needs of staff, patients, and visitor parking.

Ingersoll Rand Security Technologies
For thirty years InterfaceFLOR Commercial has consistently led in innovations of modular carpet systems. InterfaceFLOR offers award-winning designs and a high performance construction with permanent antimicrobial preservative protection. InterfaceFLOR products are designed to perform in even the most demanding health care environments while helping to create and maintain a healing environment.

Jacques Whitford is a leading provider of sustainable solutions for institutional facilities. With 35 years of experience in environmental, real estate, and engineering planning solutions, Jacques Whitford has grown to include over 1,600 employees in more than 45 offices throughout Canada, the United States, and internationally.

Johnson Controls creates healthcare environments that improve clinical, financial, and operational outcomes. Our lifecycle construction management, network integration solutions for clinical and non-clinical systems, funding solutions, facility and operations expertise, and performance guarantees, improve patient safety, increase productivity and reduce risk.

KONE Inc.
KONE is one of the world’s leading elevator and escalator companies. It provides its customers with industry-leading elevators and escalators and with innovative solutions for their maintenance and modernization. KONE also provides maintenance of automatic building doors. In 2006, KONE had annual net sales of EUR 3.6 billion and approximately 29,000 employees. Its class B shares are listed on the OMX Nordic Stock Exchange Helsinki.

KrausMcMahon
Amtico is the manufacturer of flooring materials represented by Kraus. We will be featuring two products for the CHES show. DuraMED is a rolled rubber product specifically engineered to meet the needs of health care facilities. The inherent physical properties of DuraMED address the primary issues of Safety, Comfort, Hygiene, Acoustics, Ease of Maintenance and the Healing Process. Stonescape is a new Non-PVC NO-VOC environmentally friendly tile with additional outstanding physical properties.

Life Safety Services
Life Safety Services is the National Leader in Fire and Smoke Damper inspection services. The National Fire Protection Association (NFPA) as well as other regulatory agencies require inspection of fire and smoke dampers, for specified intervals — Life Safety Services’ damper testing helps our clients in meeting compliance standards.

Mascocanada Limited
Mascocanada Limited represents numerous plumbing brands including: Delta, Waltec, BrassCraft, Brizo, Hansgrohe and Alsons. We bring smart solutions to our consumers and business partners. www.ascocanada.com

MediaEdge Communications Inc.
Over the last 20 years MediaEdge has been providing publishing, design, and event management services to many vertical and cross-vertical industry markets through targeted and issue-driven media in trade magazines, directories, special feature publications, industry-leading conferences and well-attended trade shows.

Mintie Technologies, Inc.
Mintie is a family owned company with a long history in harmful airborne particulate containment. Mintie products safely contain particulates from aspergillus to TB and other infectious diseases. Our ECU product line is designed to meet surge capacity and mass isolation needs in addition to routine maintenance and renovation.

Miura Boiler Co., Ltd.

Natural Resources Canada/Building Division

NFPA
Codes, standards, and handbooks to guide in addressing fire and life safety issues in health care occupancies. Information on NFPA’s Health Care Section, and on-line training and certification programs. NFPA’s codes and standards are used throughout the world and are an essential component for hospital accreditation in the US. Opportunity to solicit advice on fire and life safety issues from the Canadian Regional Manager of NFPA.

nora® Rubber Flooring
nora Rubber Flooring offers healthcare solutions that are inspirational in design, exceptional in performance and environmentally friendly. Available in tiles, rolls, and one-piece nosing-tread-risers in a range of over 275 colors & designs.

Norspec Filtration Ltd.
327/329 Notifier
Notifier's ONYX Series of fire alarm control panels have the flexibility yet meet the critical safety requirements for healthcare facilities and protection for the healthcare professionals and health customers. We offer a fully integrated approach to fire and life safety management. Visit our booth #327-329 and let us introduce you to our systems and new products.

324 Olympic International Limited
Olympic International Limited is a manufacturer's agent providing service and sales to the commercial, institutional and industrial HVAC markets. Our success is based on providing top quality equipment, excellent service, and solid engineering expertise. Olympic is an agent for the following manufacturers: Scott Springfield Manufacturing, McQuay, Danfoss Graham, and other quality HVAC products.

119 Optimira Energy Ltd.
Optimira Energy Ltd. provides comprehensive energy optimization services to healthcare institutions throughout Canada and offers customers access to an extensive array of energy expertise and unparalleled project finance resources. Optimira develops, installs, finances, owns and operates infrastructure improvements designed to optimize the energy efficiency and lifecycle costs for healthcare facilities.

224 ParkSmart Inc.
ParkSmart Inc. is a leading supplier of innovative parking systems, the largest independent parking ticket processor and the market leader in smart card deployment in Canada. ParkSmart, with its experience in transaction processing, its national service organization, and its innovations in smart card technology, delivers a unique parking solution for Municipalities, Institutions, Private Parking Operators and Commercial & Multi-family Property Managers.

304 Phoenix Controls Corporation
Phoenix Controls Corporation is a leading manufacturer of precision airflow control and monitoring systems for critical environments. Our innovative products help healthcare facilities achieve accurate room pressurization for superior comfort, infection control, and energy conservation.

501 Precise Parklink

413 Preston Phipps Inc.

401 Primex Wireless
Primex Wireless engineers, manufacturers, and markets, the world's most accurate and reliable wireless timekeeping and IP communication solutions. Primex Wireless uses the power of the global positioning systems to synchronize time devices across an entire facility or campus. Primex Wireless serves clients in Education, Healthcare, manufacturing, government, and commercial markets.

424 R.S. & G. Commissioning Ltd.
R.S. & G. Commissioning Ltd provides independent third party Mechanical and Electrical commissioning services to the health care, hospitality and commercial fields. We have commissioned numerous hospital projects in the 120 million dollar range and up, as well as small renovations. We are also Leed accredited and are currently commissioning one of the first Leed hospital projects.

518 Rauland - Borg Canada Inc.

206 Refrigerative Supply

415 Reliable Controls Corporation
Reliable Controls® Corporation is a manufacturer of simple, flexible, and economical BACnet-compliant HVAC software and hardware products. Also known as Direct Digital Control systems (DDC) or Building Management Systems (BMS), our Building Automation Systems are used to monitor and control Heating, Ventilation, and Air-Conditioning (HVAC) equipment found in commercial, institutional and agricultural facilities.

511/513 Siemens Building Technologies Ltd.

515 Siemens Water Technologies Ltd.
Siemens Water Technologies Design, Build, Install Water treatment systems for the health care market, including Kidney Dialysis, Clinical Chemistry, CSR, Boiler Feed/Humidification, and drinking water. Products include: Reverse Osmosis, Deionization, Counter Top Lab water systems, UV, Ozone, Carbon filtration, Water Softening, micro filtration and hot water sanitization.
500/502 SimplexGrinnell
SimplexGrinnell is a leader in fire protection and life safety. Through its 150 North American offices, SimplexGrinnell provides healthcare communications, fire alarm, fire sprinkler, fire suppression, and integrated security systems and services.

506 Stanley Security Solutions

509 Sybertech Waste Reduction Ltd.

102 Sycorp Environmental Inc.
Sycorp Environmental Inc. is a Vancouver based provider of contamination control and air quality solutions to Canada. For over 10 years, our goal is to provide a comprehensive range of products and services tailored to meet the needs of our customers, while providing the highest levels of service and quality.

218 Thomson Technology
Thomson Technology designs, manufactures and services power generation switchgear for prime power, standby, distributed generation and cogeneration applications. Other products include automatic and bypass isolation transfer switches, engine generator controllers, loadbanks, battery chargers and remote monitoring and control software. We also provide full field commissioning and customer training packages.

527 Trane
Trane is a leading provider of indoor comfort systems for healthcare facilities. Trane's reliable, energy efficient HVAC systems and controls, and parts and service will enhance your building environment for improved patient. Trane has the industry knowledge to provide the solutions to meet your critical and micro-environment needs.

214 Tremco-Weatherproofing Technologies Canada
Tremco's Roofing Division provides a complete line of roofing systems and maintenance products. Cold applied BUR and MB, single ply, fluid applied - our roofing solutions are customized for sensitive healthcare environments. Weatherproofing Technologies Canada (WTC) is a service division of Tremco Canada. WTC's approach to service delivery is to offer an experienced team of technical professionals who have hands-on experience and in-depth training in roof diagnostic and investigative procedures; information technology; preventive maintenance; specification development and project management.

201 Tyco Electronics
The management of Healthcare Risks are served in part by Tyco's Communications Interconnect Solutions, addressing Patient Information Security and Infrastructure Optimization. Tyco Electronics is the worlds largest communications interconnect systems manufacturer, innovatively specializing with Healthcare and other information intensive industries. Please visit Tyco's booth to further explore Risk Management and its correlation with Communications Systems.

507 VFA, Inc.
VFA, Inc. is the leading provider of end-to-end solutions for facilities capital planning and asset management. VFA's solution combines assessment services, software, and consulting services to enable clients to manage every stage of the capital asset lifecycle—from requirements gathering and long-term planning to capital budget creation and spend management.

400 Victaulic Company of Canada Ltd.
Since 1925, Victaulic grooved-end mechanical joining systems have delivered piping solutions offering advantages not matched by welding, threading or flanging. Victaulic products - rigid and flexible couplings, valves, fittings, gaskets, and tools - are utilized in many of the world's most demanding projects for their ease of installation, maintenance, and design benefits.

421 VitalAire Canada Inc.
VitalAire Canada Inc. offers Canadian healthcare facilities full scope medical gas services, including the supply of medical gases and the design, supply, installation, and maintenance of medical pipeline systems. As a proud supporter of CHES we invite you to visit our booth at CHES National 2007 to see the latest in medical piping innovation.

323 Weishaupt Corporation
Weishaupt is a manufacturer of high quality, high efficiency, gas, oil and dual fuel burners for the heating boiler industry. Weishaupt burners provide lower fuel consumption, lower emissions and reduced maintenance costs. Weishaupt burners are suitable for most new and retro-fit applications where forced draft burners are required.
Managing Risks in Healthcare

Sunday September 9, 2007

0851-1430  THE GREAT CHES GOLF GAME
             Location:  Kananaskis Country Golf Club
             Sponsored by Impact Construction GOLD SPONSOR

Meet in Lobby of Calgary Marriott Hotel at 0745 to board buses to go to Golf Club.

1300-1630  FIELD TRIP
             Sponsored by Forbo Flooring GOLD SPONSOR

Group 1 (1300-1430)
Meet in the Lobby of the Calgary Marriott Hotel at 1245 to board bus.

Group 2 (1500-1630)
Meet in the Lobby of the Calgary Marriott Hotel at 1445 to board bus.

The Alberta Children's Hospital is one of the most unique buildings in Calgary and is the first free-standing pediatric facility to be built in Canada in more than 20 years.

The new Alberta Children's Hospital was designed by the people who will use the building the most – patients, families, physicians and staff of the hospital. In 2002, architects created renderings of how the hospital could look; a multi-storey brick building. These drawings were brought to the hospital's Teen Advisory Group (TAG) and changed beyond recognition into a colourful, kid-friendly building closely resembling toy building blocks. This is how the building looks today as it sits on a hilltop overlooking downtown Calgary, the Bow River and the Rocky Mountains.

The vision for the new Alberta Children's Hospital was to create a building that would reduce stress and promote healing. The interior of the hospital has been designed to enable the delivery of family centred care. Children are not just little adults - unique and specialized health care teams are required to provide care to this patient population. The hospital includes supports for families such as sleeping facilities for parents in each patient room, a babysitting service for siblings of patients, a sacred space for spiritual activities, a pet visitation room and the Healing Gardens that surround the new hospital, giving parents and their children areas to heal, to have fun and to spend private time.

The Alberta Children's Hospital is used by patients from birth to age 18 from southern Alberta, southeastern British Columbia and southwestern Saskatchewan.

SUNDAY SOCIAL EVENTS

1300-1600  Calgary Walking Tour
Meet in Lobby of Calgary Marriott Hotel at 1250.

1800-1930  OPENING RECEPTION & OFFICIAL OPENING OF TRADE SHOW
             Location:  Exhibition Hall C/D, Calgary Telus Convention Centre
### Managing Risks in Healthcare

**Monday September 10, 2007**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>0730-0830</td>
<td><strong>BREAKFAST</strong></td>
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<td>GOLD SPONSOR</td>
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<td>0830-0915</td>
<td>Opening Ceremonies</td>
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<td><em>Dan Rozak</em>, Chair, CHES 2007 Organizing Committee</td>
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<td>CHES Awards Ceremonies</td>
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<td><em>Steve Rees</em>, President, Canadian Healthcare Engineering Society</td>
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<td>Presentation of 2007 Hans Burgers Award for Outstanding Contribution to Healthcare Engineering</td>
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<td>Presentation of 2007 Award for Excellence in Healthcare Facilities Management</td>
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<td>0915-1000</td>
<td><strong>Keynote Address</strong></td>
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<td>Speaker: <em>Jebb Fink</em>, Calgary personality/comedian</td>
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<td>Moderator: <em>Steve Rees</em>, Director, Facility Services, Capital Health Edmonton, Royal Alexandra Hospital, Edmonton AB</td>
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<td>Jebb was born in Los Angeles, California. In 1988 he became an American living in Canada. This was the genesis of the show he subsequently created for CBC Television, the Gemini award winning hit &quot;An American in Canada&quot;. He has appeared on CBC television's Comics! As well as Comedy Now! for the Comedy Network. Jebb has also been seen as the host of CBC/Just for Laughs &quot;All Access Pass&quot;, he has been involved with the Just For Laughs festival for the last 5 years as performer and writer plus host and performer for the Winnipeg Comedy Festival's &quot;Sleeping with the Elephant&quot; on CBC, &quot;The Prairie Crop Show&quot; and &quot;Modern Romance Show&quot;.</td>
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<td>1000-1030</td>
<td><strong>TRADE SHOW &amp; REFRESHMENT BREAK</strong></td>
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<td>Break sponsored by Thomson Technology SILVER SPONSOR</td>
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<td>1000-1700</td>
<td><strong>TRADE SHOW OPEN</strong></td>
<td>Macleod D</td>
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<td>1030-1130</td>
<td><strong>An Overview of Alberta's Oil Sands with a Focus on Risk Management</strong></td>
<td>Macleod D</td>
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<td>Speaker: <em>Sid Dykstra</em>, P.Eng., MBA, President &amp; CEO, OPTI Canada Inc., Calgary AB</td>
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<td>Alberta’s oil sands contain one of the world’s largest basins of oil reserves, second only to Saudi Arabia based on recent estimates. Building the multi-billion dollar mega projects required to extract and upgrade this valuable resource presents significant challenges. This presentation will focus on how OPTI is approaching risk mitigation in developing Phase 1 of its Long Lake Project. It will also include a brief overview of OPTI’s innovative approach to upgrading, a discussion of the history of oil sands development and the importance of this industry to Canada’s economy.</td>
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Managing Risks in Healthcare

Monday September 10, 2007

1130-1230  CONCURRENT TRACKS (Tracks 2A & 2B)

Track 2A:  A Corporate Approach to Facility Management
Speaker:  Steve Drinkrow, Director, Engineering Services, Medi-Clinic Ltd., Stellenbosch, South Africa
Moderator:  Gordon Burrill, President, Teegor Consulting Inc., Fredericton NB
Session sponsored by Western Electrical  BRONZE SPONSOR

This paper will show the structures and systems that can assist the engineering division in attaining a level of service that is respected and relied upon. Many institutions fail in their attempt to create a maintenance system. The most predominant reason being the lack of a comprehensive asset register. You cannot maintain something if you do not know that it exists, what it is and where it can be found. In the 21st century, more than ever before, the optimal utilisation of the company’s assets has become one of the business drivers and the contribution provided by the engineering services team cannot be ignored.

Medi-Clinic is a private hospital group with more than 50 hospitals in South Africa and Namibia. There are more than 7,000 beds and the hospitals range in size from 19 bed rural hospital to a 377 multi-disciplinary complex. The engineering function has expanded over the years and there are a number of systems that contribute to the overall value added by the technical department within a hospital. A comprehensive computerised maintenance system, On Key is used to capture data and assist decision making. We benchmark all the hospitals against one another and world norms.

Track 2B:  Greener, Safer Healthcare
Speakers:  Ray Pradinuk, MAIBC LEED AP, Senior Associate Leader, Stantec Architecture, Vancouver BC
Paul E. Marmion, P.Eng., LEED AP, Senior Managing Principal, Healthcare Research & Innovation, Building Engineering, Stantec, Vancouver BC
Henry P. Doornberg, P.Eng., Principal, Beaubien Glover Maskell Engineering South Inc., Calgary AB

A consortium of healthcare providers, design professionals and infection control experts has been collaborating on research to accelerate the use of sustainable strategies in healthcare facilities. Starting with a joint effort to evaluate natural and displacement ventilation for two projects, the research effort has broadened into a three phase approach with a growing group of healthcare facilities. The first phase, evaluated the fundamentals of environmental comfort, ventilation effectiveness, and infection control using displacement and natural ventilation. The second phase applies the fundamentals to a wider range of healthcare spaces and climates. The third phase will apply the findings of the first two phases into a holistic, sustainable, integrated design approach to healthcare. Participants in the research include Partners Healthcare, Kaiser Permanente, Andrew Streifel, E H Price, Stantec, and Mazzetti & Associates. Presenters will be Ray Pradinuk and Paul Marmion of Stantec. The presentation will report on the findings of phase1 and progress on the phase 2 and preview the sustainable healthcare design methodology of phase 3.

1230-1330  LUNCH WITH EXHIBITORS
Lunch sponsored by Wiebe Forest Engineering Ltd.  GOLD SPONSOR

1330-1430  CHES National Annual General Meeting
Managing Risks in Healthcare

Monday September 10, 2007

1430-1530 CONCURRENT TRACKS (Tracks 3A & 3B)

Track 3A: Pandemic Influenza: Setting the Stage
Speaker: Cheryl Bourassa, Director, Disaster/Emergency Response Planning, Calgary Health Region, Calgary AB
Moderator: Allan Roles, Engineering & Maintenance, Support Services, Calgary Health Region, Calgary AB

Pandemic Influenza planning should build on existing emergency response and business continuity plans. The very nature of a pandemic will challenge Health Care in all aspects of its response, including those associated with engineering, operations and maintenance. Participants in this session will be provided with an overview of pandemic influenza context, current status and challenges related to pandemic planning. Key issues to be addressed will include:

- understanding the risk and impact of a pandemic
- challenges faced by Government and critical infrastructure
- the use / application of engineering controls in a pandemic
- engineering considerations in non-traditional sites

Track 3B: Taking the Risk Out of Healthcare Construction Projects
Speaker: Leo Gehring, CHFM, SASHE, Vice Chancellor for Campus Operations, University of Arkansas for Medical Sciences, Little Rock AR
Moderator: Gordon D. Burrill, President, Teegor Consulting Inc., Fredericton NB

The session will focus on the strategies and tools necessary to accurately forecast the construction project parameters of scope, budget and schedule setting the project up for success. The session will further provide the management tools necessary to keep the project on scope, budget and schedule during the actual construction phases.

1530-1600 TRADE SHOW & REFRESHMENT BREAK
Break sponsored by Cohos-Evamy SILVER SPONSOR

1600-1700 CONCURRENT TRACKS (Tracks 4A & 4B)

Track 4A: Making Hospitals Less Prone to Transmission of Infection... is it possible?
Speaker: Dr. Thomas Louie, MD, FRCPC, Medical Director, Infection Prevention and Control, Calgary Health Region, Foothills Medical Centre, Calgary AB
Moderator: Dan Rozak, B.Sc., P.Eng., Chair, CHES 2007 Organizing Committee

Modern medical miracles include organ transplantation, new anti-cancer treatments, and new treatments for a variety of chronic illnesses. Patients are surviving longer and the population is aging. Maintaining old hospitals, renovating old hospitals and building new hospitals to make them safer for patients is the new challenge. Patients are prone to a myriad of infections that the hospital environment can facilitate. Aspergillosis, Multidrug resistant super bug bacteria, Legionnaire’s disease, Clostridium difficile diarrhea are hospital scourges. The important role of hospital maintenance, renovation and design to limit these threats is the topic for discussion.

Dr. Tom Louie is Medical Director for the infection control program in the Calgary Health region and is Professor of Medicine at the University of Calgary. He is a graduate of the University of Alberta and completed post graduate training in internal medicine and infectious diseases in Vancouver, Calgary, Los Angeles and Boston in the 1970's. Main interests are hospital infections, C. difficile and MRSA infections.
Traditionally, the task of planning, budgeting and delivering Protective Services in healthcare facilities has fallen almost exclusively on the one, often broad, shoulder of the departmental manager. Given their own experience and skill sets, Protective Services often relies on the services of security equipment manufacturers and contractors for advice on the application of security technology.

Enterprise security, however, now has many stakeholders whose knowledge and needs should be collectively leveraged in the development of overall integrated security programs. Beneficial focused support might be anticipated from groups perhaps including Human Resources, Asset Management, IT infrastructure, Parking, Facilities Operations as well as Care Giving.

The presentation focuses on the planning and design of converged electronic security systems to better assist in the delivery of Protective Services for an individual facility or Regional enterprise.
Managing Risks in Healthcare

Tuesday September 11, 2007

0730-0830  SPECIAL WESTERN PANCAKE BREAKFAST
            Sponsored by Siemens Building Technologies Inc. PLATINUM SPONSOR
            Pedestrian Mall

            The breakfast will take place outside on the north side of the Calgary Marriott
            Hotel on the Stephen Avenue Mall.

0830-0930  CONCURRENT TRACKS (Tracks 5A & 5B)

Track 5A:  NFPA Life Safety Code
            Speaker:  Sean Tracey, P.Eng., ARM, MIFireE., Canadian Regional Manager, NFPA, and
                     Chair, Canadian Centre for Emergency, Ottawa ON
            Moderator:  Gordon D. Burrill, President, Teegor Consulting Inc., Fredericton NB

            NFPA's Life Safety Code is the internationally used document for life safety
            principles. It is a requirement for any JCAHO accredited or federally funded US
            facility. It has valuable information that supplements the information found in the
            National Building Code of Canada as well as providing guidance on rehabilitation
            work. The presentation shall give an overview of these principles of life safety for
            hospitals, ambulatory care, nursing homes as well as assisted living centres.

Track 5B:  The World of Renewable Energies
            Speakers:  Luis Rodrigues, Vice President, Energy Solutions, Honeywell, Toronto ON
                      Ronald Blagus, Director of Marketing, Honeywell Building Solutions, Toronto ON
                      Allan Roles, Engineering & Maintenance, Support Services, Calgary Health
                      Region, Calgary AB

            Healthcare organizations can demonstrate environmental leadership by using
            renewable energy; a clean, environmentally responsible resource that is an
            alternative to traditional supplies. The Honeywell approach to renewable energy
            discussions begins with a global energy market review that is informed by the
            geopolitical influences and the underlying supply and demand fundamentals that
            drive prices for conventional energy resources; including crude oil, natural gas and
            electricity. This sets the stage for an examination of various renewable energy
            technologies, with a focus on biomass resources. A detailed description of the
            operating characteristics of biomass energy systems as well as environmental
            considerations is provided. To complete the picture, a brief analysis of the
            economic performance and appropriate business structures is presented.

0930-1300  TRADE SHOW OPEN
            Exhibition C/D

0930-1000  CHES Alberta Chapter Annual General Meeting
            Macleod D

1000-1030  HEAA Annual General Meeting
            Glen 205

0930-1100  TRADE SHOW & REFRESHMENT BREAK
            Exhibition C/D
            Break sponsored by Trotter & Morton  SILVER SPONSOR
Managing Risks in Healthcare
Tuesday September 11, 2007

1100-1200  CONCURRENT TRACKS (Tracks 6A & 6B)

Track 6A:  Case Study of a Major Hospital Flood
Speakers:  
Steve McTaggart, Manager, Plant Services, Fraser Health Authority, New Westminster BC
Mitch Weimer, Manager, Plant Services, Fraser Health Authority, New Westminster BC
Michael Hickey, Regional Director, Plant, Property and Energy, Northern Health Authority, Prince George Regional Hospital, Prince George BC

Session sponsored by Delta Controls  SILVER SPONSOR

In May 2005, Surrey Memorial Hospital the largest within the Fraser Health Authority in British Columbia experienced an internal disaster. A 6” sprinkler piping main sheared and pumped at high pressure thousands of litres of water into the facility. The resulting impact and damage caused closure of the Emergency department and Diagnostic Imaging for several days while restoration commenced.

This presentation will present the story of the Surrey flood and discuss lessons learned from the incident. The Fraser Health Authority has since developed new and adjusted construction specifications to manage and minimize future risk to their facilities.

Track 6B:  A Heartfelt Introspective (AHI) of Design
Speakers:  
John Karman, Senior Associate, Stantec Consulting, Edmonton AB
Doug Dunn, Senior Manager, Facilities Management, Capital Health Region, University of Alberta/Stollery Children's Hospital, Edmonton AB
Henry P. Doornberg, P.Eng., Principal, Beaubien Glover Maskell Engineering South Inc., Calgary AB

Session sponsored by Delta Controls  SILVER SPONSOR

Facility managers, tired of taking over a facility that does not meet your design guidelines? Consultants, ever designed a project that you thought was the best you ever did, only to be told that “it doesn’t meet our standards”? The topic would be the Mazankowski Alberta Heart Institute. More specifically how a continuous dialogue between the Facilities Management Team and the M/E design team resulted in creating a cost efficient facility, targeting a LEED Silver Certification. The speakers will focus on how a collaborative effort has often resulted in a shift in focus for the FM Team, and shift in design approach for the design team.

The speakers will present a case study including real life examples and suggestions on how to improve your next project.

1200-1300  LUNCH IN TRADE SHOW HALL
Lunch sponsored by Stantec  GOLD SPONSOR

DRAW PRIZES
Trade Show closes at 1300
Managing Risks in Healthcare
Tuesday September 11, 2007

1300-1400 CONCURRENT TRACKS (Tracks 7A & 7B)

Track 7A: Reducing Risks with “Drawing Management”
Speaker: Darrell Mitchell, Principal/CEO, Document Conversion Management Inc., Lindsay ON
Moderator: Grant S. Kidd, Associate, Stantec, Calgary AB

Drawing Management, what are the risks? Bob knows everything and is retiring in two months! ABC Architects just unexpectedly went out of business and they had all your drawings! Currently in the health care industry the demands and risks on facilities are high and resources are limited and therefore efficiency is a must. One of the most valuable assets you are responsible for is drawing information, and having it accessible to those on your staff when they need it. We will review practical steps to have your drawings (assets) in an efficient manageable state and in your total control.

Track 7B: Enabling Your Hospital for the Wireless Revolution
Speaker: James M. Nannini, Director of Network Integration Solutions Sales, Johnson Controls Inc., Milwaukee WI
Moderator: Devin P. Shiskowski, Systems Branch Manager, Johnson Controls LP, Calgary AB

In this presentation we will discuss the growing demand for wireless within a Healthcare facility, the enabling role wireless plays in improving the environment of care, the challenges of providing a ubiquitous wireless infrastructure in today’s building structures, the need for a comprehensive wireless plan and the options of achieving your Healthcare facility’s wireless needs today and into the future.

1400-1500 CONCURRENT TRACKS (Tracks 8A & 8B)

Track 8A: The Important Learnings of Engineering Services in Risk Management: from shop floor to corporate boardroom
Speaker: David Crockett, Integrated Vice President, Planning and Facilities, London Health Sciences Centre/St. Joseph’s Health Care, London ON
Moderator: Allan Roles, Engineering & Maintenance, Support Services, Calgary Health Region, Calgary AB

This topic will provide examples of infrastructure successes and failures - planned and unplanned and their impact on continued availability of care, asset protection and risk. The need to create awareness of building systems risk and strategies to mitigate them is discussed from the perspectives of senior leadership, bridging the knowledge from our engineering departments and creating awareness at the corporate board and public relations level.

Track 8B: Managing Risk in Medical Gases
Speakers: Barry Hunt, President, Class 1 Inc., Cambridge ON
George Pankiw, Director, Facilities Planning & Redevelopment, Brant Community Healthcare System, Brantford ON
Gordon D. Burrill, President, Teegor Consulting Inc., Fredericton NB
Moderator: Glen 205

Medical gas systems are an important part of a hospital’s infrastructure. This presentation will cover what can go wrong in medical gas systems using “Bad Gas, No Gas, and Wrong Gas” real life examples to illustrate the importance of understanding medical gases, the Standards that relate to them, causes of incidents and how to prevent them. It will also cover what CHES is doing to help its members manage this risk including updates on the CSA Technical Subcommittee on Medical Gas Systems and the CHES Medical Gas Course.
Managing Risks in Healthcare

Tuesday September 11, 2007

1500-1530  REFRESHMENT BREAK
            Refreshment Break sponsored by Caon Services Inc.  SILVER SPONSOR
            Foyer

1530-1630  CLOSING ADDRESS
            A Humorous History of the Foothills Medical Centre
            Speaker: Marcel Hebert, Director of Planning and Development, Calgary Health Region, Foothills Medical Centre, Calgary AB
            Moderator: Dan Rozak, Chair, CHES 2007 Organizing Committee
            Macleod D

1630      CLOSING
            Macleod D

Save the Date!

CHES National Trade Show & Education Forum
BUILDING BETTER HEALTHCARE
TORONTO • ONTARIO
September 14-16, 2008 • Metro Toronto Convention Centre
Managing Risks in Healthcare

Speakers

Ronald S. Blagus
Ronald is the Director of Marketing for Honeywell Building Solutions. He is responsible for leading the Energy Services marketing effort in the United States, Canada and Latin America. His emphasis is on both the public and private sector energy services offerings, and renewable energy solutions and engineered solution development. Ron graduated from the University of Toledo with a BBA, and has 26 years of industry experience.

Cheryl Bourassa
- Director, Disaster / Emergency Response Planning for the Calgary Health Region (since August 1997)
- The Region employs 25,000 staff, serves 1.3 million persons (34% of the Provinces population), is comprised >100 facilities and is supported by more than 600 contracted services.
- Received Bachelor Degree in Nursing University of Calgary
- Numerous certifications in all areas of disaster / emergency management and business continuity planning
- Extensive experience in Emergency Department Nursing / Management / Education
- Twenty five years of involvement in the design and development of disaster response plans in health care
- Active member of Municipal Planning and Mutual Aid Committees for the past 15 years

Achievements
- Instrumental in the design and development of a fully integrated Regional Disaster / Emergency Response Program for the Calgary Health Region.
- Lead / facilitated Regional planning initiatives for the World Petroleum Congress and the G8 Summit
- Coordinated and / or participated in Regional response / recovery efforts associated with various emergency situations (e.g. community evacuations, multiple casualty incidents, floods, fires, infectious disease outbreaks, etc.)

Dave Crockett
David Crockett is the Integrated Vice President, Facilities Management and Restructuring at London Health Sciences Centre and St. Joseph’s Health Care. The hospital programs serve the full spectrum of primary to quaternary care for a regional catchment of 1.5M people and are the major teaching centers for the University of Western Ontario and Fanshawe College. London Hospitals operate 1070 acute care beds, 470 regional mental care health beds and 930 LTC, Veterans, CCC beds on 7 sites.

Mr. Crockett began his hospital career in 1974 in Pharmacy Services in both community and teaching hospitals. Senior administration positions have included medical operations portfolios leading utilization management, diagnostic, laboratory and therapeutic services.

The past 10 years have been spent planning hospital role changes, fostering sustainable partnerships and implementing restructuring directives. Current accountabilities include planning for all facilities development, infrastructure maintenance and engineering for 6 million square feet of facilities resources for SJHC and LHSC on 7 campuses. Other interests include energy management and environmental stewardship with provincial and national recognition. Mr Crockett set a personal goal in 1975 to plant 50 trees per year. He is a former director on the London Chamber of Commerce and currently a Governor of Fanshawe College, Thames Talbot Land Trust and ReForest London. He is a member of CHES, CSHP and CCHSE.

Steve Drinkrow
Steve Drinkrow is the current President of the International Federation of Hospital Engineering (IFHE) serving the 2006/2008 term. He has been involved with the South African Federation of Hospital Engineering (SAFHE) since 1992. And was part of the organising committee that held the 13th and the 19th IFHE Congress’ in 1994 and 2006 in Cape Town. At the 19th Congress in May 2006, Steve Drinkrow became IFHE President, an organisation he has served in various capacities since 1994. He is a Director of Medi-Clinic Limited, responsible for the facilities engineering management of the groups’ assets. The group currently owns and operates over 50 hospitals in South Africa, Namibia and the United Arab Emirates. He has been in facilities engineering management for over 28 years, 21 of which have been in hospital engineering.

Doug Dunn
Doug S. Dunn is the Senior Manager of Facilities Operations and Energy Management at the University of Alberta [UAH]/Stollery Children’s Hospital in Edmonton, Alberta.

His portfolio includes all aspects of facility operations as well as extensive involvement in the multi million dollar capital projects that are currently on going at the UAH/Stollery Children’s hospital campus. He and his team is responsible for 3.6 million square feet of facility buildings and has implemented energy initiatives that have saved over 1.8 million dollars annually. The annual utility budget for the facilities is in excess of 11.0 million dollars.
Managing Risks in Healthcare

Speakers

The facility has received numerous awards and recognition in energy management (locally, nationally and internationally) including a formal presentation in Ottawa from the Federal Minister of Natural Resources Canada. Doug is involved at a national level [committee chair] with NRCan and CCHSE regarding Canadian Hospital sector energy efficiency. Doug is a member of ASHRAE, BOMA and is a LEED™ Accredited Professional. He also sits on the CSA standards committee related to Healthcare standards.

The WMC facility is unique in that it houses the University of Alberta Hospital, the Stollery Children's Hospital, the Provincial Laboratory of Public Health for Northern Alberta, and will soon be home to the Mazankowski Alberta Heart Institute.

Doug and his team are responsible for the current and future environment and play a key role in the ongoing design of the building and building systems. This portfolio includes:

- HVAC and Indoor Air Quality;
- Instrumentation;
- Facilities Operations Centre;
- Energy Management;
- Heliport Management;
- Refrigeration;
- Telecommunications;
- Building Standards and Capital Projects Design in the context of LEED

Sid Dykstra, P.Eng., MBA
Mr. Dykstra has been the President and Chief Executive Officer of OPTI since June 2001. From June 2000 to March 2001, Mr. Dykstra was the President of Hunt Oil Company of Canada Inc. Mr. Dykstra, a cofounder of Newport Petroleum Corporation, was the President and Chief Operating Officer of Newport from 1997 to 2000, the Executive Vice President of Newport from 1994 to 1997 and the Vice President, Engineering of Newport from 1992 to 1994. From 1980 to 1992, Mr. Dykstra held various positions with Suncor, was the Manager of Exploitation for Pancontinental Oil Ltd. and was an independent consultant with Maranta Resources Ltd.

Mr. Dykstra is currently a director of Cinch Energy Corp., and a past Governor of the Canadian Association of Petroleum Producers. Mr. Dykstra is a professional engineer in Alberta. He holds a B.Sc. in chemical engineering from the University of Alberta and a M.B.A. from Queen's University.

Leo M. Gehring, CHFM, FASHE
Leo Gehring has invested over 35 years in managing the environment of care. He is now the Executive Director of Campus Operations at the University of Arkansas for Medical Sciences. Leo is a member of the executive management team serving on the Chancellors Cabinet. He leads the Campus Operations missions including Construction and Contract Management, Plant Operations, Parking Operations, Campus Police, UAMS Bookstore, Clinical Engineering, Occupational Health and Safety, Campus Housekeeping, Cafeteria and Nutrition Services, Mail Services and Telecommunications.

Prior to joining the University of Arkansas for Medical Sciences he formed Gehring Healthcare Enterprises, Gehring Healthcare Enterprises provided management system development; compliance assessment and environment of care management consulting to healthcare delivery organizations and to healthcare support industries. Clients included healthcare equipment manufacturing, healthcare delivery organizations and management service companies. He authored a monthly JCAHO survey strategies column for Facility Care magazine.

Prior to Gehring Healthcare Enterprises, Leo was the Director of Facilities Management for the University of Chicago Hospitals. There he directed the Facilities Management services including Plant Operations, Clinical Engineering, Renovation and Construction, Parking, Security, Safety, Space Planning and Transportation. The University of Chicago Hospitals is a 625 bed Academic Medical Center comprising 3.5 million square feet.

Leo has served on the faculty of many healthcare-engineering conferences for the American Society of Healthcare Engineering (ASHE), Association of Physical Plant Administrators of Universities and Colleges (APPA), local healthcare engineering societies and private industry. He has served on healthcare engineering steering committees at both the national and state levels. He was elected president of the Arkansas Association for Hospital Engineering in 1992 and in 2001 he was elected to serve as the Region 7 Director for ASHE in 2000 for a two-year term. He also serves on the Editorial Advisory Board, Facility Care magazine, IHS Publishing Group. He was elected President-Elect of the American Society for Healthcare Engineering in 2005 and is serving as President of the Society in 2007. He became a Certified Healthcare Facility Manager in 2001 and became a Senior Member of ASHE in 2003

Marcel Hebert
Having been involved in the capital development of health care projects for over 30 years, Marcel has worked on all aspects involved in the delivery of projects. His past position with the government, contractors, designers and Regional Health Authorities
Managing Risks in Healthcare

Speakers

Barry Hunt
Barry Hunt is the founder and President of Class 1 Inc., a leading Canadian manufacturer of medical air and medical vacuum systems, headwalls, and other medical gas equipment. Barry received his Honour’s degree in Biological and Biomedical Sciences from the University of Guelph and studied Post-Degree Sciences at the University of Waterloo. Barry worked for 10 years in the labs at Grand River Hospital, and 7 years in Anaesthesia, Respiratory, and Medical Gas sales, and product and market development with Medigas and Praxair. Barry has been instrumental in the design, development and implementation of many new mechanical, electrical and architectural products for Health Care Facilities. For 19 years Barry has assisted Hospital staff, Mechanical and Electrical Engineering Consultants and Architects in the design of large and small hospitals, clinics and labs. Barry is a member of CSA’s Technical Subcommittee on Medical Gases as well as an associate member of CSA’s Technical Steering Committee on Anaesthesia and Respiratory Care. Barry has contributed to the development and revision of many CSA Standards, since joining CSA in 1995, including the new Medical Gas Piping Standard published last year. Barry conducts many training seminars for consultants and professional organizations including the American Society of Plumbing Engineers. He has long been a member of CHES and is often a guest speaker at both national and regional conferences. He is currently Chair of the 2008 CHES National Conference.

John Karman, C.Tech., PMP., LEED® AP
As a project manager, John is responsible for maintaining budgets and schedules, allocating resources and liaising with clients to ensure that project deliverables are submitted in a timely fashion. For John these tasks do not exist separately from the physical design and construction effort, but form an integral part thereof. John has an extensive history (26 years +) on the design and construction of health care facilities, and his experience as a representative of contractors, consultants and owners, enables him to take an active part in the design and construction process and evaluate its impact on project deliverables. John is an active member of CHES, CSC, and PMI.

Thomas Louie, MD, FRCPC
Dr. Thomas Louie, MD, FRCPC currently is medical director, infection prevention and control program for the Calgary Health Region, an integrated acute, long term care and community care health system serving 1.3 million population, and is a professor in the Departments of Medicine and Microbiology-I Infectious Diseases, University of Calgary. He is a graduate of the University of Alberta (1969), interned at the Vancouver General Hospital and completed internal medicine training in Calgary and UCLA, follow by infectious diseases training with Drs. Sherwood Gorbach and William Hewitt at UCLA. Additional training was completed at Tufts University / New England Medical Center before assuming a lecturer position at TUSM in 1976. He returned to Canada in 1978 to join the University of Manitoba infectious diseases group, and subsequently to relocated to Calgary. The main focus has been the provision of clinical infectious disease care, infection control and clinical trials. Re-organization of health care has created a multi-hospital and population-based approach to clinical studies. This model has allowed for a broad hospital and community surveillance system that has proved advantageous in drug development, particularly in treatments for C. difficile associated diarrhea. Author Block Thomas J. Louie, MD, FRCPC.; University of Calgary, Calgary, Alberta

Paul Marmion, PEng, LEED AP
Paul E. Marmion PEng, LEED accredited professional, Sustainable Design leader and Senior Managing Principal at Stantec Consulting Ltd.

Paul has been actively engaged in the field of heating, ventilating and air conditioning and sustainable design since 1964. He assumed responsibility as Managing Principal responsible for Stantec’s Building Engineering group in the Vancouver Office, Paul has been responsible for the HVAC system design of numerous hospitals and research buildings, using low energy and environmentally sensitive “state of the art” mechanical design solutions. Recent projects in health care include the ongoing Providence Healthcare Legacy Project in Vancouver, Vancouver General Hospital Completion Projects, and the Children’s and Women’s Ambulatory Care facility Paul is a past Director of CaGBC (Canadian Green Building Council)

Steve McTaggart
Steve McTaggart has over 22 years experience in healthcare facilities engineering, construction, and maintenance. Currently employed by the Fraser Health Authority in British Columbia. The FHA covers an area that stretches from Burnaby to White Rock to Boston Bar; Fraser Health serves 1.5 million people and employs approximately 22,000 people. Steve manages the Plant Services portfolio for two of the twelve FHA acute care sites. He had worked for a number of years at the Surrey Memorial Hospital.
where he managed the Plant Operations department. (Case study). Steve has a keen interest in construction management and has been actively involved in healthcare facilities design, construction and commissioning for a large variety of projects up to 100 million in value.

Steve has been a member of CHES and actively involved with the BC Chapter for over a decade now. He is presently the Chairperson of the CHES BC Executive and a member of various provincial and national committees. Steve holds a Power Engineer Class II certification and Power and Process diploma from the British Columbia Institute of Technology.

Darrell Mitchell
Darrell Mitchell has worked in the industrial, facility management sector for over 27 years, including the directing of engineering departments for 17 years, organizing and managing thousands of hard copy drawing assets, reducing cost and improving efficiency. In more recent years as information is now transforming into primarily a digital format, Mr. Mitchell seen the opportunity to utilize and combine his experience of hard copy management and his teams knowledge of current and advanced technology’s into a service that brings true value to his clients and thus DCM Inc. was established. The testament of the value his team brings to clients is the growing number of references from facility’s that have put these systems to work for them in managing their drawing assists. Mr. Mitchell and his team take these responsibilities of trust and accountability seriously which contributes to the ongoing successes of their clients and that DCM is appreciating.

James M. Nannini
Jim Nannini - He brings 20 years of technology services and software Leadership Experience in the areas of marketing and general management with demonstrable success in the area of emerging market businesses. Jim is the Director of Johnson Controls Network Integration Solutions Team, which is focused on providing its customers with robust wired & wireless infrastructure and integration solutions that proactively address the convergences of IT with Building Automation. His Team has deployed wireless infrastructures solutions to over 70 Healthcare facilities in the United States. He has a B.S. in Operations Management in the Service Sector from DePaul University and is a graduate of Northwestern University—Kellogg Graduate School of Business Executive Development Program. He also serves as a Business Advisor for two high-tech service companies and a software start-up.

George Pankiw, PEng, CHFM
George graduated from Royal Military College of Canada with a Civil Engineering degree. He spent twenty years in the Canadian Forces as a Military Engineer. George was also the Facilities Manager at the Metro Toronto Zoo, one of the world’s largest zoos.

George began his healthcare experience as the Director of Facilities with the Perth & Smiths Falls District Hospital in Perth, Ontario. He then moved on to become the Corporate Manager Engineering Services with Grey Bruce Health Services in Owen Sound, Ontario. Presently, George is the Director Facilities Planning & Redevelopment for the Brant Community Healthcare System, Brantford, Ontario.

He is registered Professional Engineer, and holds the Certified Healthcare Facility Manager designation from the AHA, the only Canadian to do so. He has been actively involved in both CHES and ASHE for the past 6 years including:

- Education Chairperson –CHES
- Chair - CHES Medical Gas Course Revision Sub-Committee
- CSA Technical Sub-Committee on Medical Gases Systems
- ASHE - Gas Distribution workgroup NFPA 99 Revision Committee

Ray Pradniuk, MAIBC, LEED AP
Ray has been responsible for the design of a variety of projects, several of which have won design awards. These include: an honorable mention for the Centrennial Square / CRD Office Building Competition in Victoria; the 2001 Award of Excellence for Built Projects from Modern Healthcare; and the AIA for Surrey Memorial Children’s Health Centre.

As a creative thinker, Ray utilizes research and innovation in striving to give clients the best possible solutions. While working with clients and design teams on complex building types, his focus has been on the functional and social implications of spatial arrangement and its impact on wayfinding, staff communications, operational efficiencies and cost savings. Ray is the Sustainable Design Practice Leader for Stantec Architecture, Vancouver and presented a research paper on “Greening the Acute Care Inpatient Unit” at the 2003 United States Green Building Conference in Pittsburgh.

Luis Rodrigues
Luis Rodrigues is the Vice President of Honeywell’s Energy Solutions business unit.

Luis’ portfolio includes accountability for sales and operations of Honeywell’s Energy Solutions business. Honeywell provides energy management and facility renewal solutions that are designed to reduce energy
Managing Risks in Healthcare

Speakers

consumption and cost, facilitate asset renewal and address environmental concerns.

Markets served include: Municipal, Provincial and Federal Governments, Healthcare, Commercial, Education, Utilities, and Industrial.

Luis joined Honeywell in 1980 and during his career has primarily focused on the building solutions business. In 1999, Luis was awarded Honeywell’s Lund Award for leadership excellence, and in 2004 was awarded the Chairman’s Award for his dedication to the business and clients.

Geoff Sams, PEng.
Geoff is a Senior Associate with Stantec Consulting and Practice Leader for their specialist Engineered Security & Safety Solutions (ES&3) Team. He is a professional engineer, member of ASIS International and a founding member of the International Crime Prevention Through Environmental Design (CPTED) Association.

For more than 30 years Geoff has been planning and designing integrated security systems and operational programs for clients across North America and in several countries overseas and operating in many different business sectors.

In the health care field, for example, he has been assisting the Capital Health Region in Edmonton with the development of Regional standard and with the preparation of integrated security system designs for all categories of their facilities Region-wide. He has also assisted with the selection and definition of physical security standards for many categories of mental health facilities across both British Columbia and Alberta.

Many of Mr. Sams’ current projects involve the design for clients of enterprise-wide security system solutions utilizing current converged security technologies – the subject of his presentation.

Sean A. Tracey, PEng, MIFireE
After successfully completing a twenty-year career in the Canadian Forces, in 2000, Sean Tracey became the first Regional Manager in Canada for the National Fire Protection Association.

Sean has extensive experience in the fields of facility engineering, general safety, and risk management and is a regular contributor to fire, health care engineering, and construction journals. He is a past Director of the Canadian Council of Fire Marshals and Fire Commissioners. In November of 2005 he was appointed as the Chair of the Canadian Centre for Emergency Preparedness ( www.ccep.ca ). CCEP annually hosts the World Conference on Disaster Management in Toronto.

Sean is a graduate of the Royal Military College of Kingston with a Civil Engineering Degree. He is certified as an Associate in Risk Management and is a certified Professional Engineer in the province of Ontario.

Mitch Weimer
Mitch Weimer has worked in Healthcare Engineering for over 15 years for both of British Columbia’s largest Health Authorities. His roles have been Engineer, Chief Engineer, Manager Physical Plant Services with the Vancouver Coastal Health Authority. More recently he’s spent the last 7 years as Manager, Plant Services and Construction for the Fraser Health Authority at Royal Columbian Hospital in New Westminster, one of Greater Vancouver’s two designated Trauma facilities serving the communities in the Fraser Valley from Burnaby to Hope.

He has been a CHES Member since 1992 and presently serves as Vice Chair on the BC CHES Executive. Mitch holds a Bachelor’s degree from UBC and a Master’s degree from Royal Roads University as well as being a Power Engineer. In his role as construction manager he has been involved in many varied projects from a just completed state of the art ICU project, to a regional Medical school facility affiliated with UBC, as well as an elevated Helipad which serves the trauma facility at Royal Columbian Hospital.