23rd Annual
National Trade Show & Education Forum
Canadian Healthcare Engineering Society

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Organizing Committee

Chair
Richard Court, Director, Engineering & Development, Hamilton Health Sciences, Hamilton ON

Program
Joel Carr-Braint, Director, Plant Engineering & Maintenance, Kingston General Hospital, Kingston ON
Roy Langille, Director of Facilities Management, Seneca College, Toronto ON

Trade Show/Sponsorship
Bill Corrigan, Consultant, Public Sector Program, Tremco-Weatherproofing Technologies Canada
Tim Maxwell, Acute Care Account Manager, AATel Communications
Bob Isbister, President, Ventcare Inc.
Bill Roth, Environmental Geoscientist, Jacques Whitford Environment Limited, Oakville ON
Steve Fulford, National Service Director, Hazardous Materials and Indoor Air Quality, Jacques Whitford Environment Limited, Oakville ON

Social
Donna La Force, Project Leader - McMaster/Chedoke Redevelopment, Hamilton Health Sciences, Hamilton ON
Kathy Havill, Project Leader – Hamilton General Redevelopment, Hamilton Health Sciences, Hamilton ON
Ed Davies, Retired, Waterdown ON

Golf
J.J. Knott, Director, Plant Operations, Norfolk General Hospital, Simcoe ON
Andy Smith, Director, Environmental Services, West Haldimand General Hospital, Hagarsville ON
Bill Roth, Environmental Geoscientist, Jacques Whitford Environment Limited, Oakville ON

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

CHES Business Meetings

SUNDAY SEPTEMBER 21, 2003
08:00-10:30  CHES 2002-03 Board of Directors  Executive Boardroom, Sheraton Hamilton Hotel
16:00-17:00  CHES Communications Committee  Room 206, Hamilton Convention Centre

TUESDAY SEPTEMBER 23, 2003
09:00-09:30  CHES Annual General Meeting  Albion BC, Hamilton Convention Centre
09:30-10:00  CHES ON Annual General Meeting  Albion A, Hamilton Convention Centre
14:00-15:00  CHES 2003-04 Board of Directors  Room 206, Hamilton Convention Centre
Thank You to Our Sponsors

The Canadian Healthcare Engineering Society and the 2003 Organizing Committee gratefully acknowledge the generous contributions and financial support of the following companies:

PLATINUM

Cummins

TTI

Peninsula Engineering Inc.

GOLD

TREMCO

rea.

Resource Environmental Associates

SILVER

Chem-Aqua

Parkin Architects Limited

Reliable Controls Corporation

Stantec Consulting Ltd.

BRONZE

Abatement Technologies Ltd.

Austco (Canada) Ltd.

Group Eight Engineering Limited

HealthPRO Procurement Services Inc.

Martin-Stewart Contracting

P.E. Consulting Limited

VitalAire Healthcare
Companion Program

MONDAY SEPTEMBER 22, 2003
10:00-16:00
Dundas Valley School of Art & Royal Botanical Gardens

A “hands-on” experience in drawing/painting will give program participants a great chance to try out new techniques and will be geared to both those who are already dabbling in the arts, as well as newcomers to the medium.

Lunch will be at the Royal Botanical Gardens “Garden Café” followed by a guided tour of Canada’s largest botanical garden located in the heart of Hamilton. You will arrive back at the hotel in plenty of time to relax and prepare for an evening of intrigue and suspense at the Banquet.

Board the bus at 09:00 outside the Convention Centre at the Summers Lane entrance.

TUESDAY SEPTEMBER 23, 2003
10:30-14:00
Dundurn Castle Tour

One of Hamilton’s most-recognized landmarks, Dundurn Castle is a National Historic site that illustrates the life and times of Sir Allan Napier MacNab (1798 – 1862). The castle has been restored to the year 1855 when MacNab was at the height of his career as a lawyer, landowner, railway magnate and Premier of the United Canadas (1845-56). Over forty rooms, above and below stairs, have been furnished to compare the life of a prominent Victorian family with that of their servants. Costumed staff will guide you through the home, illustrating daily life from the 1850s.

The tour will be followed by a leisurely lunch at the Coach House Restaurant, and then a return to join the delegates at the Convention Centre for the Closing Ceremonies.

Board the bus at 10:00 outside the Convention Centre at the Summers Lane entrance.

Companion Registration Fee
Fee: $95 per person (includes Welcoming Reception, 2 breakfasts, 2 day tours, banquet)

General Information

REGISTRATION DESK HOURS (Wentworth Concourse, Hamilton Convention Centre):
Sunday September 21, 2003 10:00 – 18:00
Monday September 22, 2003 07:30 – 16:00
Tuesday September 23, 2003 07:30 – 12:00

Registration bags & gift sponsored by Tremco-Weatherproofing Technologies Canada
GOLD 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 / Golf

The Great CHES Golf Game

Sunday September 21, 2003 – Tee-off time start at 11:00

Lots of prizes! Lots of fun! Amateurs are just as welcome as regular golfers! This will be a “Best Ball” tournament and we will also hold a Putting Contest. Teams will consist of both delegates and exhibitors. The tournament will take place at Chedoke Beddoe, a scenic course nestled under the Niagara Escarpment. Tee-off times begin at 11:00

Prizes sponsored by HealthPRO Procurement Services Inc. BRONZE SPONSOR

Welcoming Reception

Sunday September 21, 2003 – 18:00-21:00
Webster Lounge, Hamilton Convention Centre

Sponsored by SimplexGrinnell PLATINUM SPONSOR

All delegates are cordially invited to attend the Welcoming Reception. Enjoy drinks, a light dinner, and some entertainment while you meet old friends and greet your fellow delegates.

Gala Banquet & Murder Mystery

Monday September 22, 2003 – 18:00-21:00
Canadian Warplane Heritage Museum, 9280 Airport Road, Mount Hope ON

Sponsored by Cummins Ontario Inc. / TTI PLATINUM SPONSOR

Peninsula Engineering Inc. PLATINUM SPONSOR

Canadian Warplane Heritage Museum is a living museum featuring the aircraft used by Canadians or Canada’s Military from the beginning of World War II up to the present. Climb into the cockpit of a real WWII trainer, a Fleet Fort, or a real jet fighter, the CF-100 ... test your flight skills with the flight combat simulators ... sit in a C-119 Flying Boxcar simulator. The pre-dinner reception will be followed by a delicious catered banquet. But wait! ... a shot rings out! Diners are in for an evening of murder, mystery and mayhem! It’s a web of deception and intrigue! Who did what to whom? You will have to examine the clues closely and be prepared for anything!

Transportation: Buses will leave the Sheraton Hamilton Hotel. Boarding begins at 17:30. The bus will return guests to the hotel beginning at 22:00.

Fee: Included with registration fee for Full Delegates
     Guests: $65 per person. Includes transportation.
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| 14        | **Adanac Air Tube Systems Ltd.**  
Pneumatic Tube Conveyor Systems designed for hospitals have made gigantic leaps forward. With the advance of computerized controls these systems became a reliable and high-speed communication system no modern and efficient hospital should be without. They carry virtually any item max. 15 lbs. That fits into the 5” x 18” measure carriers. |
| 33        | **Advanced Technologies Group, Inc.**  
Advanced Technologies Group, Inc. is the nation’s leading Facility Management Information consulting firm. Its array of consulting services include Architectural Layouts, Space Management, Regulatory Compliance, Facility Condition Assessment, Engineering Systems Management and Maintenance Management. |
| 4         | **Alwind Industries Ltd.**  
Manufacturers and installers of high performance institutional windows and heavy duty entrances. |
| 15        | **ASCO Power Technologies Canada**  
ASCO Power Technologies Canada is a major Canadian manufacturer of Automatic Transfer Switches. Based in Brantford, Ontario, ASCO Power Technologies Canada has coast to coast district sales offices. Over the past 70 years, ASCO has pioneered every major product innovation in power transfer technology. Changes in the electrical utility marketplace are creating opportunities for Health Care Engineers to re-evaluate their emergency power systems. ASCO has many products and expertise that can help with this process. |
| 52        | **Austco (Canada) Ltd.**  
Austco is at the leading edge of communication technology in the health care market. Our systems are easy for staff and residents to use, unobtrusive, robust and aesthetically pleasing, featuring state-of-the-art paging and wireless telephone technology. Austco is dedicated to providing you with total emergency call system solutions, - nurse call, dementia care, patient wandering, pagers, phones and data. For a product demonstration or for information on a reseller in your area call us at 416-932-2080. |
| 23        | **Best Access Systems**  
For almost 80 years BEST has built a reputation as a premiere provider of high quality mechanical access hardware featuring the interchangeable core and masterkey system. In 2002 a new era in access control began when Best Access Systems was acquired by The Stanley Works Corporation. This new era will enable Best to serve customers in unparalleled ways by providing innovative programs through four key initiatives: System Design, Product Solutions, Sales Consultation & Installation and Service. |
| 41        | **Busch Vacuum Technics Inc.**  
Busch Medical & Laboratory Vacuum and Air Compressor Systems. |
| 83-84     | **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. |
| 63        | **Chem-Aqua**  
Chem-Aqua, an International Water Treatment Company will exhibit their products, descriptions of their services and capabilities including pre-treatment equipment, controllers, and feed pumps for industrial boilers and cooling towers. As well, products and equipment related to Waste Water Management. |
| 13        | **Chubb Security Systems**  
With 23 sales and service branches across Canada, Chubb Security Systems provides comprehensive electronic security solutions through an integrated systems approach. Our in-depth understanding of the Health Sciences sector is based on many years of experience in Canada and around the world. Each Chubb solution is customized to fully address your specific requirements related to access control, intrusion detection and alarms, digital video surveillance, plus sector-specific applications including wandering patient and infant abduction solutions. |
22 Class 1 Inc.
Class 1 designs, manufactures and markets world-class medical gas and architectural products. Medical Vacuum · Medical Air · Headwalls · Consoles · Columns · Manifolds · Outlets · Alarms

35 Comairco
Compressors, vacuum, blowers, dryers, filters, oil-free air, hose, spray equipment.

78 Cummins Ontario Inc.
Distribution and service for all Cummins, Cummins Onan, Cummins Power Generation projects, including diesel and natural gas engines, generators from 5 to 2000 kw, transfer switches, switchgear, communications for remote control and monitoring of power plants, cogeneration plants, peaking plants including a balance of plant equipment. Full service including warranty, service agreements, availability guarantees, performance guarantees, BOO, BOOT.

28 Delta Faucet Canada
Delta Faucet Canada, a division of Masco Corporation, is the largest domestic manufacturer of faucets for residential and commercial applications. Delta Faucet Canada delivers well crafted, "Beautifully Engineered" faucets and related accessories under the Delta, Delta Select, Waltec and Delta Commercial brand names. Dedicated to complete customer satisfaction, Delta Faucet Canada invests heavily in customer service. For more information go to www.deltafaucet.com

65 DMS Medical Gas Systems
Inspection, testing and certification of medical gas piping systems to CSA Z305.1 1992. Consultation and system evaluation CSA, NFPA compliance. Accredited by Standards Council of Canada as a qualified testing agency for nonflammable medical gas piping systems to CSA Z305.1.

79 Dri-Steem Humidifier Company
Dri-Steem Humidifier Company offers a complete line of humidifiers, dispersion systems, and microprocessors that can perform virtually any function needed for accurate, non-interruptible relative humidity control. As the industry leader, Dri-Steem has developed many custom features designed to satisfy our customers’ unique specifications.

24 Dukane Communication Systems
Dukane is a manufacturer of state of the art nurse call systems. These systems enhance safety and security for both staff and patients. Dukane can interface to many inhouse systems, including wireless telephones, pocket pagers as well as the ADT systems. Please visit us in our booth or go to our website www.dukane.com/csd

73 ECO-Block, Inc.
ECO-Block manufactures and sells insulating concrete forms (ICFs). These forms, which are modular blocks made of Expanded Polystyrene (EPS) are used to build concrete walls, floors, ceilings for residential, commercial, and institutional buildings.

29 Edwards
Edwards Lifesciences is a global leader in products and technologies to treat advanced cardiovascular disease and the number-one heart valve company in the world. We focus on four main cardiovascular disease states: heart valve disease, coronary artery disease, peripheral vascular disease and congestive heart failure. We leverage our design, development and marketing expertise through our main product categories: Cardiac Surgery, Critical Care, Vascular and Perfusion.

2 EMI / Retro Aire
The RetroAire Alternative: Replacement PTAC / PTHP Chassis, VPAC/VPHP New Construction Units and Water Source Consoles. EMI produces RetroAire “Thru-The-Wall” PTAC’s and PTHP’s air conditioners for replacement, renovation and new construction applications. Ideal for Hotels, Motels, Health Care, Commercial, Residential, and Institutional facilities, RetroAire offers quiet, efficient and economical alternatives for all your air conditioning project requirements.

37 Flynn Canada Ltd.
Flynn is Canada’s largest Canadian owned and operated full service roofing and building envelope contractor with branches from coast to coast. We offer the following:
- Emergency roof leak repair and preventative maintenance
- Nationwide 24-hour emergency toll free number with live operator.
- Standardized national reporting system c/w digital pictures and roof CAD drawings.
- Existing roof replacement and new roof systems for all types of structures.
- Architectural metal wall cladding and retrofit systems.
5 **Forbo Linoleum Inc.**
The marmoleum solution by Forbo Linoleum is more than just a product. It is a system approach to consistently reproduce the desired flooring solution in real world conditions.

43 **Freudenberg Nonwovens**
With the current emphasis on indoor air quality and energy conservation, the importance of using filtration that provides high efficiency, long life and low energy consumption has never been more critical. Viledon leads the industry in filter performance, and Freudenberg is the filter supplier of choice where quality and service are a priority. Please visit Freudenberg at booth 43 for more information and to organize a filter survey of your site.

69 **GE Betz**
GE Betz is the world leader in providing custom designed water treatment solutions for boilers, cooling towers, and humidification systems. Partnered with our other General Electric divisions such as GE Medical, GE Osmonics, and GE Capital we provide unequalled coverage of your hospital needs for water pretreatment equipment and services for Ion Exchange, Reverse Osmosis, and Dialysis systems. “Let our Value Generation Planning help you save money and protect your vital systems.”

10 **Getinge Canada Limited**
The world’s most trusted and respected names in infection control, surgical and patient care equipment, come together to form a powerful single source solution to give you more choices and better choices than you ever had before. Getinge/Castle’s Service Organization has over 250 trained professionals to provide preventative maintenance, installation, spare parts packages, and customer support to protect your equipment investment.

48 **Hill-Rom Canada**
Healthcare facility design services, programs, environment, furnishings, and architectural headwall systems.

26-27 **Honeywell Limited**
Automation & Control Solutions provides Products and Services to control heating, cooling, ventilation, humidification, industrial process automation, video surveillance and access control equipment; security/fire alarm and industrial safety systems, home automation systems; advanced software applications for home/building control and industrial optimization; sensors, switches, control systems and instruments for measuring pressure, air flow, temperature, electrical current and more.

80 **HTS Engineering Ltd.**
Heat transfer solutions, fan coils and water source heat pumps.

66 **Hyatt Industries Limited**
Hyatt Industries Limited are the exclusive Canadian agents of the Pruftechnik and ISI line of Predictive and Preventative Maintenance products including:
- Rotalign Pro / smartALIGN / Optalign Plus...Laser Shaft Alignment equipment
- Vibscanner / Vibrex / Signalmaster...Condition Monitoring and Vibration Analysis equipment
- Snapshot / In-Sight... Infrared Thermography Cameras

60 **InfraRed Imaging Solutions Inc.**
InfraRed Imaging Solutions Inc. is a Canadian based company that provides predictive maintenance technologies to healthcare facilities, heavy industrial, and utility market throughout the Americas and the Middle East. With InfraRed Imaging Solutions state of the art equipment and ASNT certified technologists, coupled with years of experience, we are able to provide unbiased reporting that can be tailored to meet our clients’ specific needs by utilizing non-destructive technologies such as infrared thermography, airborne ultrasonics, vibration analysis. We are very proud of our ability to diagnose electrical/mechanical, and refractory problems and offer cost effective solutions.

46 **Interface Flooring Systems**
Interface is the leading supplier of modular flooring systems specially designed to create comfort and warmth for the Health Care Facility. Intersept®, Interface’s patented antimicrobial preservative, is permanently incorporated into the backing systems of all products manufactured by Interface Flooring Systems. Intersept® protects the floorcovering from the growth of bacteria and fungi, and helps prevent odors of microbiological origin. Interface offers high performance products, innovative patterns – everything needed to create and maintain a healing environment.

77 **Johnson Controls**
Johnson Controls develops and executes operating strategies that provide measurable, outcomes-based results for healthcare facilities. Our strategies target non-clinical areas, spanning the range from improving financial and operational performance, to providing bundled support services, to
capitalization of physical plants. We enable our customers to preserve their capital and reduce operating expenses, leaving more resources to serve the community.

36 **Johnsonite**
Johnsonite is a manufacturer of rubber flooring, ADA compliant transitions, evacuation systems, stairwell systems, etc. Our focus is supplying solutions which are sustainable, provide economic benefit and a high level of safety.

53 **Klenzoid Company Limited**
Klenzoid is a rapidly growing water management service organization. Our KlenzTrak service approach sets a new industry standard for reliable, high quality on-site service backed by a corporate commitment to results. We manufacture water conditioning equipment, boiler and cooling water treatment chemicals, and micro-processor based controls. Our turn-key “water in to water out” philosophy provides our clients with the assurance that their water systems are operating at least cost and that capital equipment is protected.

54 **MainBoss**
Since 1995, MainBoss has fulfilled the computerized maintenance management needs of companies throughout the world. MainBoss CMMS is easy to use, powerful, yet affordable-featuring Preventive/Corrective Maintenance, Equipment and Inventory Tracking, Purchase Orders, and Reporting. As an add-on to MainBoss CMMS, the MainBoss @Requests program allows users to e-mail Work Requests from anywhere and to receive automatic acknowledgements and notifications as their request is processed. Together, these functions provide the basis for efficient maintenance management.

18 **Major Air Systems Ltd.**
For over 20 years, Major Air Systems Ltd. has specialized in the maintenance, overhaul, conversion, replacement and upgrade of centrifugal, absorption and reciprocating chillers. Our factory-trained technicians (on Trane, Carrier, York and McQuay chillers) presently service more than 20 chillers in healthcare facilities throughout the Golden Horseshoe, and beyond. As a supplier-neutral, independent Canadian contractor, we can provide you with unbiased compliance strategies for the upcoming phase-out of CFC-refrigerant uses.

38 **Manco Distributors Inc.**
Distributors of Follett ice and water dispensers
Distributors of Manitowoc ice cubers, flakers, bins, and dispensers as well as water filtration systems.

82 **MediaEdge Communications Inc.**
MediaEdge is the publisher of the CHES Quarterly Journal. MediaEdge also provides a full range of design, writing, editing, publication consulting and production services to many leading real estate organizations and industry associations services for the development of comprehensive, print based marketing strategies.

45 **Mintie Technologies Inc.**
Mintie Technologies, Inc. developed the Environmental Containment Unit (ECU) as an effective tool to control airborne contaminants during construction and on-going maintenance. The ECU is compact and portable. Combine the ECU with a Hepa vacuum or negative air machine for a complete IAQ solution.

55-56 **Miura Boiler Co. Ltd.**
The MIURA STEAM BOILER is a once through, forced flow, low water content, water tube boiler design, featuring high efficiency, proven fuel savings, steam or hot water in five minutes, 99+% dry saturated steam, compact design and low operating costs. Controls are microprocessor based for easy operation, and connect to our Online Maintenance system. Multiple installations to 4500bhp plus. www.miuraboiler.com.

61 **Natural Resources Canada / CBIP**
Natural Resources Canada’s Commercial Building Incentive Program (CBIP) offers an incentive to encourage building owners to incorporate energy-efficient technologies and practices in designs for new commercial and institutional buildings.

Le Programme d’encouragement pour les bâtiments commerciaux (PEBC) de Ressources naturelles Canada offre un incitatif financier afin d’encourager les propriétaires de nouveaux bâtiments commerciaux et institutionnels à incorporer des techniques et des pratiques offrant une plus grande efficacité énergétique.
7 NFPA  
Codes and standards of interest to the members of CHES. NFPA is the world leader in developing fire and life and life safety codes and standards. NFPA also produces handbooks and delivers on-line training of healthcare professionals.

30 Niagara Plumbing Supply  
We are the benchmark Company in the Plumbing, HVAC, Waterworks, Greenhouse Industries, Marine, and Industrial Supplies. We are dedicated to cost effectively provide products and services, that consistently exceed our customers’ expectations in order to provide the opportunity for profitable growth of all our Business Units while ensuring the well being of our employees.

25 Ontor Limited  
Ontor’s HVAC Division provides a broad selection of Heating, Air Conditioning, Refrigeration and Plumbing products and component parts to manufacturers and wholesalers. We provide product application services at the OEM engineering level and assist in distributing and merchandising at the wholesale and trade levels. Ontor Limited has supplied the industry with an extensive range of quality products supported by fast, dependable, courteous service.

74-75 Otis Canada Inc.  
Otis Canada Inc. is a supplier of elevator installation, modernization and maintenance. Our exhibit will include information on Otis maintenance management system, corroded cylinders, remote elevator monitoring and elevator upgrades.

47 Pinder’s Security Products  
Doors, hardware and security products wholesale supply. * Electronic door access control; * Video systems; * Key system management and design; * Contract door and hardware; * Locksmith services. Pinder’s is a fully integrated security company.

44 PlanFX Systems (Canada) Inc.  
PlanFX is a drafting service company, specializing in the creation of accurate CAD floor plans of existing buildings. Architects, Engineers, Designers and Property Owners/Managers use our services and drawings for space planning, renovations, retrofits, calculating square footage and Emergency Procedure planning. We will be launching our new user-friendly Palm Pilot software this year, which will provide a welcome tool to building owners and managers wanting to create, maintain and update their own CAD floor plans.

34 Powerteam Inc.  
As an experienced generator service company, we are committed to providing round the clock repair support and maintenance solutions for commercial and industrial generator customers. At Powerteam, we believe in satisfying customers through reliable service and quality products the first time, every time. From planned maintenance packages to 24-hour emergency calls, Powerteam field technicians have the skills and tools to get the job done right.

76 Precise Parklink  
Precise Parklink delivers fully integrated parking solutions that accommodate your unique needs and any future changes. Increased efficiency, lower operational costs and customer satisfaction proven to be the parking model of choice for the healthcare sector – establishing a Standard model for Healthcare. The units are solar powered, eliminating the need for underground cables, greatly reducing installation costs. User friendly, most users already familiar with concept. Improve traffic flow by eliminating gates. High customer satisfaction (never lock client in the garage due to equipment malfunctions). Revenue increase without increasing rates; Cost effective implementation. We offer numerous cost saving elements to deliver profitable and efficient parking systems that add revenue to the bottom line.

8 Preston Phipps  
Steam technologies to reduce energy and produce healthy environments. Products include chemical-free humidification; instantaneous bacteria-free domestic hot water systems; environmentally friendly make-up air. Steameye F.M. steamtrap monitoring reduces energy losses while protecting the environment.

17 Primex Wireless  
Ideal for new construction or replacement, the GPS Wireless Clock System from Primex Wireless is easy to install and maintenance-free. No hardwiring or adjustment for Daylight Saving Time means you’ll save money on labour. The system is guaranteed to synchronize all the clocks in your facility. The optional Computer Time Sync will even synchronize your network servers and PC’s to the clocks on the walls. Battery-operated and electric models available in analog and digital styles.  
Primex Wireless. The right time. All the time.
<table>
<thead>
<tr>
<th></th>
<th>Company Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Quatic Industries Inc.</td>
<td>Quatic Chemicals – water treatment and equipment for heating and air conditioning systems, process heating and cooling, and waste water applications. The choice of products is diverse.</td>
</tr>
<tr>
<td>42</td>
<td>R.E. Morrison Equipment Inc.</td>
<td>Becker medical vacuum systems, NFPA approved, CSA approved. Fully automatic PLC controls. WAGD approved oil free systems. Tank mounted or modular expandable systems. Leading supplier to USA system packages. In Canada systems packaged by Class One and others. Canadian master distributor is R.E. Morrison Equipment.</td>
</tr>
<tr>
<td>3</td>
<td>Rauland-Borg (Canada) Inc.</td>
<td>Rauland-Borg is an industry leader in hospital and healthcare facilities communications. We provide integrated solutions for today’s managed Healthcare facility. The combination of our Responder nurse call line, with a variety of other products, such as EXI patient wandering, security, pocket page and the latest in wireless telephone technology offers facilities a complete integrative communications solution.</td>
</tr>
<tr>
<td>71</td>
<td>Reliable Controls Corporation</td>
<td>We manufacture simple, flexible and economical BACnet® compliant products for the building automation industry (BAS). These products, also known as direct digital control (DDC) systems and building management systems (BMS), are used to monitor and control the heating ventilation and air-conditioning (HVAC) equipment and lighting in everyday commercial, institutional and agricultural buildings. Reliable Controls® Corporation brings our products and service closer to you. Our web site is an excellent resource for learning about our corporation, products and sales channels.</td>
</tr>
<tr>
<td>81</td>
<td>Resource Environmental Associates Ltd.</td>
<td>Occupational And Environmental Health And Safety Consulting; Asbestos And Mould Abatement; Indoor Air Quality; Encasement Of Hazardous Materials; Infection Control For Health Care Construction And Maintenance Projects; Health And Safety Training; Ergonomics; Safety Engineering; SARS Employee Respiratory Protection Programs And Services.</td>
</tr>
<tr>
<td>11</td>
<td>Sarnafil Ltd.</td>
<td>Sarnafil is an international manufacturer of thermoplastic membranes for roofing and waterproofing. The Sarnafil energy-smart white roof meets the Environmental Protection Agency’s energy star and has been installed on various “LEED” (Leadership in Energy and Environmental Design) buildings in North America.</td>
</tr>
<tr>
<td>64</td>
<td>Seawood Solutions &amp; Services, Inc.</td>
<td>Seawood Solutions and Services Inc. offers a wide variety of solutions and services geared towards the operations, maintenance and construction of facilities. Our primary focuses include: Mechanical and Electrical Building Commissioning, Web-based Facilities Management Solutions and Project Management.</td>
</tr>
<tr>
<td>72</td>
<td>Seneca College of Applied Arts &amp; Technology</td>
<td>Building Environmental Systems (BES) is a comprehensive energy efficiency training program available across Canada through correspondence or classroom studies that benefits building operators and managers, technical sales representatives, energy auditors and building contractors – anyone responsible for effective building operation or expanding their skills portfolio. The BES Program is recognized by Natural Resources Canada’s Office of Energy Efficiency, as the preferred comprehensive training resource for those entering an energy savings project.</td>
</tr>
<tr>
<td>19-20</td>
<td>Siemens Building Technologies, Ltd.</td>
<td>Siemens Building Technologies Ltd. including: Building Automation; Security; Fire Safety; and Siemens Canada.</td>
</tr>
<tr>
<td>57-58</td>
<td>SimplexGrinnell</td>
<td>Life safety systems including Nurse call, Patient wander, Infant protection; Fire security; Sprinkler; Portable extinguishers; and Emergency lighting.</td>
</tr>
<tr>
<td>50</td>
<td>Solucore Inc.</td>
<td>Elevator consulting services.</td>
</tr>
<tr>
<td>51</td>
<td>Soprema Inc.</td>
<td>Soprema is a manufacturer of roofing/waterproofing products for buildings. We will be showing samples of these products as well as a mock-up of our green roof system.</td>
</tr>
</tbody>
</table>
70 Stantec Consulting Ltd.
Stantec is a knowledge company. We provide knowledge-based solutions to infrastructure and facilities projects through value-added professional services and technologies in planning, engineering, architecture, interior design, landscape architecture, surveying and geomatics, and project economics.

67 Stratica – (Arteca International)
Stratica Eco-Polymeric flooring is chlorine and plasticizer free, it emits the lowest possible levels of VOCs, and does not require polish, wax or cleaning with caustic chemicals. Tiles are available in a wide range of natural effects and plain colors. Stratica Eco-Polymeric flooring is for specifiers who are environmentally responsible and need to control costs. Stratica is used extensively in healthcare installations around the world.

59 Takagi Canada Inc.
Takagi is a tankless water heater manufacturer. Our units heat water only as is needed reducing all standby storage loss. They are very compact and can fit in very tight mechanical rooms and can reduce your redundancy costs. Our units can be used as small 15,000 BTU point-of-use solutions or can be combined in a boiler room to provide you with a fully modulating 4.7 million BTU hot water heating solution. Come see the future at booth #59.

12 Tanknology Canada Inc./Fuel Pure Canada
Fuel system compliance services including precision leak testing, fuel cleaning and compliance information management.

16 Thermogenics Inc.
Thermogenics product line includes:
- Coiled Tube boilers from 75 HP to 600 HP Steam, Hot Water, and Thermal Fluid
- Auxiliary equipment including Deaerators, Condensate Systems, and Blowdown Tanks
- Flue Gas Economizers.

1 Thomson Technology Inc.
Thomson Technology Inc. is leading manufacturer of electrical products and systems for use in the Power Generation Industry. Most of our products are employed in conjunction with engine or turbine driven generators in automatic standby, prime power and distributed generation applications. These products include paralleling switchgear for single or multiple generator systems, microprocessor based engine/generator controllers, automatic transfer switches, bypass/Isolation switches, and other various components. Thomson Technology’s design engineering department provides in-house system design for all of our products.

6 Toromont CAT – Power Systems
Toromont Power Systems is a solutions provider, offering a variety of products and services to meet your needs. These include generator sets, UPS, automatic transfer switches, switchgear, rental power, preventative maintenance and 24 hour field service.

68 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.

49 Tyco Thermal Controls
Pyrotenax is part of TycoThermal Controls with head office in Trenton, Ontario. A Canadian manufacturer of 2 hr. fire rated cables (ULC / UL Listed) utilized as a wiring method for “Life Safety Electrical Circuits in Highrise Buildings” i.e. emergency power feeders for fire pumps, fire fighters elevator, smoke management systems and fire alarm / voice communication circuits.

32 Ventcare Inc.
Ventcare Inc. is the leader in Robotic Ventilation Inspection and Cleaning Technology. In addition, we provide a variety of programs to maintain and improve Indoor Air Quality. These programs include ventilation system monitoring – Early Warning System (EWS), air quality testing, microbial growth analysis, particulate analysis and AEGIS Microbe Shield technology (PMRA – approved, long-lasting microbial control system). Robotic Technology provides specialized ventilation cleaning
procedures – methods that save money while ensuring quality particulate removal.

31 Victaulic Company of Canada Ltd.
Victaulic Company of Canada joined the Victaulic family of companies in 1931. Victaulic Company of Canada provides complete mechanical pipe joining systems for grooved and plain end piping systems. Piping materials such as steel, ductile iron, HDPE, PVC, stainless steel, copper and aluminum are quickly and easily joined using Victaulic products.

39-40 VitalAire Healthcare
VitalAire Healthcare is Canada’s only national full service medical gas systems provider. Working from 8 offices across the country, our dedicated MGS specialists are available and accessible to serve you. And we install what we sell! Our contracting affiliates specialize in full scope installations, ensuring compliance with the latest Building Codes and Standards. Dedicated to bringing innovative, cost effective technologies to Canadian Healthcare, we're the One Call Solution for all your medical gas needs.

21 Willis Supply Dupont Corian
Baby bath, scrub station, wave system, and furniture.

62 Wireless RNA Technology Inc.
Wireless RNA Technology, drawing on 17 years of telecom experience, provides high quality, aesthetically pleasing, cost-effective, nurse call systems and integrated wired and wireless communications systems for retirement and long-term care facilities, including secure accommodation environments. We work closely with our clients to custom design solutions to meet their particular circumstances, paying particular attention to efficiency, cost effectiveness and simplicity of use.
Education Forum  
Monday September 22, 2003

08:00-09:00  BREAKFAST  
- Breakfast sponsored by Parkin Architects Limited  
   SILVER SPONSOR  

     Wentworth ABC

09:00-09:15  Opening Ceremonies  
Speaker: Murray Martin, President & CEO, Hamilton Health Sciences  
Moderator: Richard Court, Chair, CHES 2003 Organizing Committee  

09:15-09:45  KEYNOTE ADDRESS  
Speaker: Steve Smith (aka Red Green)  
Red Green and his hilarious antics with the gang at the Possum Lodge are well known to all Canadians. Red will expound on the values of duct tape and other handy hints that will all help to keep your stick on the ice.  
Moderator: Richard Court, Chair, CHES 2003 Organizing Committee  

10:00-11:00  TRACK 1 & TRACK 2  
Track 1: Medical Gas Systems & Safety  
Speaker 1: Peter Emch, President P.E. Consulting Limited  
This presentation will be focused on Medical Gas System safety based on recommendations from a recent inquest as well as new and updated CSA Standards. Emphasis will be on what will be required by Health Care Facility staff as well as Consulting Engineers in the design of new and maintenance of existing medical gas piping systems.  

The Latest in Medical Vacuum  
Speaker 2: Barry Hunt, President, Class 1 Inc.  
New technologies, new standards, and new thinking are changing the design of Medical Vacuum systems. This session will give an overview of the current state of the art in Medical Vacuum. The latest technology, performance and CSA Standards will be presented as well as a roadmap to the future. Topics to include new pump technologies, electronic controls. Variable frequency drives (VFD’s), multiplex design and receiverless systems. Anyone interested in energy-savings, improved performance, or lower maintenance will want to attend.  
Moderator: J.J. Knott, CHES 2003 Organizing Committee  

Track 2: Direct Contact Water Heating  
Luc Mandeville, Vice President, Business Development, Sofame Technologies Inc.  
We will describe how the new direct contact heat transfer principle has helped dozens of Canadian hospitals to reduce their flue gases emissions and save money by reducing their fossil fuel consumption and their operating costs (maintenance, surveillance) and how it can do the same for all institutions.  
Moderator: Bob Isbister, CHES 2003 Organizing Committee  

11:00-13:00  LUNCH IN TRADE SHOW HALL  
- Lunch sponsored by Stantec Consulting Ltd.  
   SILVER SPONSOR  

     Wentworth ABC
**Education Forum**  
**Monday September 22, 2003**

### 13:00-14:00  TRACK 3 & TRACK 4

**Track 3:**  
**New Confined Space Regulations**  
**Speaker:** *John Murphy*, President, Resource Environmental Associates Ltd.  
The Ontario Ministry of Labour has proposed to consolidate confined space entry requirements of the industrial, construction, and health care regulations into a new confined space regulation that would apply to all workplaces. Learn about this new regulation, and the implications for hospital physical plant, engineering, and health and safety departments.

**Moderator:** *Joel Carr-Braint*, CHES 2003 Organizing Committee

**Track 4:**  
**Sustainable Design**  
**Speaker:** *Peter Halsall*, President, Halsall Associates Ltd.  
Sustainable design refers to creating buildings that do not waste resources during construction or during use, that provide desirable, productive places for the planned and eventual users. This requires a change from a mind-set that judges success by minimizing first cost. This presentation describes the reasons for change, and gives examples of what changes can make dramatic improvements in buildings like hospitals. Both proven and innovative technologies and strategies will be addressed. The intent is to increase your understanding of the concepts and opportunities in the health care environment. This in turn should help you contribute to planning, designing and operating more effective facilities.

**Moderator:** *Bill Corrigan*, CHES 2003 Organizing Committee

-Albion BC-

### 14:00-15:00  TRACK 5 & TRACK 6

**Track 5:**  
**Infection Control During Construction of Renovation of Health Care Facilities**  
**Speaker:** *Gordon Burrill*, Regional Director of Engineering Services, River Valley Health, Fredericton NB  
Infection control during construction, renovation and maintenance work in health care facilities is now one of the hottest topics for health care facilities managers across North America. This session will provide a primer to special requirements necessary to protect patients, staff and visitors from undue harm while attending our health care facilities. CSA recently released their CAN/CSA Z317.13-02 standard in response to information brought forward by Health Canada on this topic. This standard will impact on virtually all aspects of facilities management within health care buildings of any type. Attendees will receive a brief background into the topic and some ideas to take away to help implement a strong infection control program as it relates to construction, renovation and day-to-day maintenance in the health care sector. They will also have an opportunity to see some of the specific requirements of this new standard and to study examples of how to turn this standard from words on a page, into actions on the work site.

**Moderator:** *Kathy Havill*, CHES 2003 Organizing Committee

This session sponsored by **P.E. Consulting Limited**  
**BRONZE SPONSOR**
Education Forum  
Monday September 22, 2003

**Track 6:** Energy Stewardship Program  
**Speaker:** Phil Renaud, Director of Engineering Services & Mark Read, Team Leader, Energy Stewardship Program, London Health Sciences Centre  
This presentation will explain how our holistic approach to energy resource use emerged from a history of individual energy management activities occurring at each of our three Hospital campuses during a time of great change and challenge. Breaking the program down into its sub-components, we will discuss key elements such as the partnership with our ESCO to implement three Energy Performance Contracts now providing substantial annual reductions in utility costs and Green House Gas emissions. We will review the type of innovative and creative technology that can provide great savings for a facility such as our co-generation project to produce our own electricity. We will speak to the active part of the program and explain how education and awareness can be provided in a manner that encourages individual participation – the key to sustainability. Finally we will demonstrate how this healthcare facility is reaching into the community and beyond, as a centre of excellence, to help everyone strive for the individual and global rewards of energy efficient behaviour.

**Moderator:** Ed Davies, CHES 2003 Organizing Committee

❖ This session sponsored by VitalAire Healthcare  
BRONZE SPONSOR

15:00-15:45 TRADE SHOW & REFRESHMENT BREAK  
Wentworth ABC

15:45-16:15 TRACK 7

**Track 7:** Technical Standards And Safety Authority  
**Speaker:** Frank Bailey, Team Leader, Fuels Safety Program, Technical Standards & Safety Association  
This presentation will supply a brief outline of the activities of TSSA with emphasis on the Fuels Safety Program, Technical Standards and Safety Act and Ontario Regulations.

**Moderator:** Roy Langille, CHES 2003 Organizing Committee

❖ This session sponsored by Austco (Canada) Ltd.  
BRONZE SPONSOR

17:30 Board buses for GALA BANQUET AND MURDER MYSTERY  
Canadian Warplane Heritage Museum

❖ Sponsored by Cummins Ontario Inc./TTI and Peninsula Engineering Inc.  
PLATINUM SPONSORS
Education Forum
Tuesday September 23, 2003

07:30-08:30  BREAKFAST  Wentworth ABC
   ❖ Breakfast sponsored by Chem-Aqua SILVER SPONSOR

08:30-09:00  SPECIAL KEYNOTE ADDRESS  Albion BC
   Strategies through the partnership of Medicine and Engineering
   to Control Infections within the Healthcare Setting
   Speaker:  Dr. Fiona Smaill, Professor, McMaster University, and Co-Director,
   Special Immunology Services, Hamilton Health Sciences
   This session will give an overview of emerging infectious diseases, the
   challenges of control and the importance of communication between
   engineering and infectious diseases.
   Moderator:  Donna LaForce, CHES 2003 Organizing Committee
   ❖ This session sponsored by Reliable Controls Corporation SILVER SPONSOR

09:00-09:30  CHES National Annual General Meeting  Albion BC
09:30-10:00  CHES Ontario Chapter Annual General Meeting  Albion A
10:00-10:30  TRADE SHOW & REFRESHMENT BREAK  Wentworth ABC
10:30-12:30  TRACK 8 & TRACK 9  Albion BC
   Track 8:  NFPA Standards in Health Care: Introduction (Certificate Course)
   Speaker:  Sean Tracey, Canadian Regional Manager, NFPA
   This session will give a very brief overview of NFPA Codes and Standards
   specific to the Health Care industry. These Codes and Standards are
   essential elements of Health Care certification programs internationally.
   These documents can provide a framework of "best practices" to
   address fire and life safety concerns in Canadian facilities. The
   presentation will give a brief overview of the standards development
   process, how they can be applied through all stages of operations
   including construction, renovation, operation, and emergency planning.
   A certificate will be presented confirming attendance.
   Moderator:  Tim Maxwell, CHES 2003 Organizing Committee
   ❖ This session is sponsored by SimplexGrinnell PLATINUM SPONSOR


**Track 9: Managing Asbestos and Mould in Healthcare**

**Speaker 1:** *Bruce Stewart*, Principal, Pinchin Environmental Ltd.

Hospital engineering staff will protect the occupants of their buildings and minimize corporate and personal liability by properly managing asbestos and mould in their facilities. This session will identify the special hazards of mould growth in a health care facility and present due diligence recommendations for responding to water damage or mould/microbial growth. It will also give an update of requirements for management of asbestos materials, both in day-to-day operations and during renovations.

**Load Shedding with Building Automation System**

**Speaker 2:** *Ken Robinson*, National Energy Services & Solutions Manager, Siemens Building Technologies, Ltd.

Ken is a graduate of the Saskatchewan Technical Institute with a diploma in robotics and industrial automation. Ken has been employed in the energy management industry since 1985 in a variety of technical, sales and management positions. He has bee instrumental in the implementation of numerous performance contracts and alternative financing strategies for a variety of public sector clients, including the University of Calgary, the Alberta provincial government, the federal government, and the City of Calgary. Ken has authored numerous articles for a variety of industry publications, and is a frequent speaker and panel member in performance contracting seminars.

**Moderator:** *Andy Smith*, CHES 2003 Organizing Committee

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**Closing Ceremonies**

**Tuesday September 23, 2003**

**12:30**

**TRADE SHOW & LUNCH**

*Draw Prizes, Closing Remarks*

A last visit with the exhibitors as we say good-bye to colleagues for another year. You have to be there in order to win one of the exhibitor draw prizes!

**Moderator:** *Richard Court*, Chair, CHES 2003 Organizing Committee

**14:00-15:00**

**Optional Tour of New Hamilton Health Sciences Co-generation Power Plant**
Speakers

**Frank Bailey**
Mr. Frank Bailey joined the TSSA in 1998 as a senior inspector with the fuels safety program from the natural gas industry. Previous experience was in the electrical and natural gas distribution industries and law enforcement. At present, Mr. Bailey is a team leader for the fuels safety inspectors in the Niagara to Windsor area.

**Gordon Burrill**
Mr. Burrill graduated from the University of New Brunswick with a Bachelor of Science in Engineering degree in 1986. He worked in the private consulting world for 12 years working on many different design teams on several types of projects throughout Atlantic Canada, Quebec and the North Eastern United States. These projects included all sectors of industry from light commercial buildings, to large office buildings, to power plants and pulp and paper mills. In his capacity as a design consultant, he was involved with the design teams on several major hospital projects in the province New Brunswick.

In 1998, he moved to his current position at River Valley Health. This Health Authority services Western and Central New Brunswick and has 19 health care and support facilities throughout that part of the Province. Currently, Mr. Burrill is the Regional Director of the Engineering Services Division for River Valley Health. In his capacity with River Valley Health, Mr. Burrill is responsible for all design, construction and maintenance of their facilities and equipment. This division oversees more than a million square feet of medical facilities ranging from Community Health Centers to Long Term Care Facilities to the Dr. Everett Chalmers Regional Hospital in Fredericton, NB.

Since September of 2001, Mr. Burrill has acted as a member of the Canadian Standards Association’s (CSA) Technical Committee for Health Care Facility Engineering and Physical Plant. This group oversees the production of CSA’s standards related to healthcare buildings. He has also acted on CSA’s Technical Sub-committee on Infection Control During Construction or Renovation of Health Care Facilities. This new standard is expected to impact on hospitals and other health care facilities in the way they conduct both construction and maintenance activities.

Mr. Burrill is a registered Professional Engineer, member of the Canadian Society for Civil Engineering and the National Fire Protection Association’s Health Care Section. He is currently the National Vice-President of the Canadian Healthcare Engineering Society where he works with healthcare engineers and facility managers from across the country. He will be taking up office of President for this Society in September of 2003. This group focuses on providing networking and training opportunities for its members as well as advocacy with the Canadian Hospital Association and numerous standards organization. Mr. Burrill is also an active member of the American Society for Healthcare Engineers where he sits as a member of their Education Committee as well as their Planning, Design & Construction Management Committees.

**Peter Emch**
I have spent 16 years in marketing and sales with a major Canadian manufacturer of medical and industrial gases and equipment, followed by 5 years as General Manager of an Ontario company specializing in design, installation and preventive maintenance of medical gas pipeline systems.

From 1986 to 2002 was President and Technical Manager of Emch Medical Pipeline Testing Ltd. a Standards Council of Canada accredited Testing Agency for medical gas pipeline systems. In 2003 started P.E. Consulting Ltd. As such we consult with Engineers and Hospitals directly in the design, installation and preventive maintenance of medical gas pipeline systems.

From 1982 to 2002 was a voting member of the CSA Technical Committee for the Standard on Nonflammable Medical Gas Systems and related Standards.

**Peter Halsall**
Peter has a Master’s Degree in Civil Engineering from the University of Toronto. He worked in structural design and in biomedical engineering prior to joining Halsall in 1983. Peter acts as principal on a wide variety of structural design, cladding engineering, building restoration and audit projects. He also provides advice to project teams on cost-effective durability for buildings, and acts as an expert advisor for dispute resolution. Peter has led teams dealing with projects ranging from a few thousand dollars to several hundred million dollars, including the $250M infield
project at Pearson International Airport, and the Daniel Libeskind/B+H Architects addition to the Royal Ontario Museum.

Peter is the champion for Halsall’s sustainable design activities, which range from facilitating the Sustainable design on over $1B worth of construction to being founders for the U.S. Green Building Council Greater Toronto Chapter, to adding a major photovoltaic installation to a building at Queen’s University.

Barry Hunt
Barry Hunt is the founder and president of Class 1 Inc., a leading Canadian manufacturer and distributor of medical gas equipment. Barry received his Honours degree in Biological and Biomedical Sciences from the University of Guelph and studied Post-degree Sciences at the University of Waterloo. He has worked for the Ontario Ministry of Agriculture and Food, Grand River Hospital, Medigas and Praxair.

Barry’s vast experience includes the design, development, and implementation of mechanical, electrical and architectural products for Health Care facilities. Barry has been an active CSA member since 1995 contributing to nine CSA standards related to medical gas safety in Health Care facilities.

Luc Mandeville
A professional engineer and member of the “Ordre des ingénieurs du Québec” for 30 years, Luc Mandeville founded Sofame in 1984 with his colleague Michel Dallaire. He has played a decisive role in the elaboration of all Sofame technologies. He is also a member of the board of directors of the “Natural Gas Technologies Centre”.

John Murphy
John Murphy is President of Resource Environmental Associates, a firm with offices in Toronto, Hamilton, Ottawa and Vancouver, providing consulting, engineering, and training services in environmental health and safety. His firm provides a variety of services for health care clients, including asbestos management, mould remediation, confined space assessment, indoor air quality, construction nosocomial infection prevention, health and safety training, and more recently, SARS respirator fit testing services. He received his Bachelor of Science, Master of Health Science, and Master of Business Administration from the University of Toronto, and he is a Registered Occupational Hygienist and Certified Industrial Hygienist.

Phil Renaud
A former ServiceMaster of Canada employee Phil has been involved in Health Care in Ontario for the last 19 years, holding Engineering and Environmental Services leadership positions at Doctors Hospital in Toronto, St. Joseph’s Hospital in London, St. John’s Rehabilitation Hospital in North York, and Ross Memorial Hospital in Lindsay. He has also worked in the education sector as Director of Facilities for the Middlesex and Elgin County Boards of Education, and as Manager of Facilities Integration for the Thames Valley District School Board. During his tenure with ServiceMaster he received numerous awards for managerial excellence and program implementation. In his current role as an employee of London Health Sciences Centre he has the privilege to provide leadership for the Engineering Services, Energy Services, and Customer Support Centres for the organization.

Ken Robinson
Ken is a graduate of the Saskatchewan Technical Institute with a diploma in robotics and industrial automation. Ken has been employed in the energy management industry since 1985 in a variety of technical, sales and management positions. He has been instrumental in the implementation of numerous performance contracts and alternative financing strategies for a variety of public sector clients, including the University of Calgary, the Alberta provincial government, the federal government, and the City of Calgary. Ken has authored numerous articles for a variety of industry publications, and is a frequent speaker and panel member in performance contracting seminars.

Fiona Smaill
Dr Fiona Smaill is Professor of Pathology and Molecular Medicine at McMaster University, Hamilton and Director of Microbiology for the Hamilton Regional Laboratory Medicine Program. She is Chief of Infectious Diseases at McMaster University Medical Centre and Director of the Special Immunology Services (HIV) clinic at Hamilton Health Sciences. Dr Smaill did her medical training at the University of Otago in New Zealand and in 1984 came to McMaster University in Hamilton to complete her fellowship training in Infectious Diseases and Medical Microbiology and her Masters of Epidemiology. Her research interests include prevention of hospital-acquired infections, management of patients with HIV and infections in pregnancy.
Bruce Stewart
Bruce Stewart, B.Sc., D.O.H.S., CIH, ROH, is a Senior Vice President at the Mississauga head office of Pinchin Environmental, a national environmental health and safety consulting firm. Mr. Stewart holds a B.Sc. (Honours Applied Chemistry), from the University of Waterloo (1978), and a diploma in Occupational Health and Safety from McMaster University (1981). He is certified by the American Board of Industrial Hygiene, and registered by the Canadian Registration Board of Occupational Hygienists. He has been an occupational hygiene consultant since 1978, and has been at Pinchin Environmental since 1983. At Pinchin he specializes in the assessment and control of health hazards in general use buildings, particularly indoor air quality, mould contamination, asbestos and lead. Mr. Stewart has broad experience as a trainer and facilitator for a range of health and safety issues, and is a frequent speaker at professional and trade events.

Sean Tracey
After successfully completing a twenty-year career in the Canadian Forces, Sean Tracey retired at the rank of Lieutenant Colonel in 2000 to represent the National Fire Protection Association as its first Regional Manager in Canada. Sean is a graduate of the Royal Military College of Kingston with a Bachelor of Engineering Degree (Civil). He is enrolled as a Masters Student in Carleton University’s Fire Safety Engineering program and is a certified as an Associate in Risk Management by the Insurance Institute of America. He is a certified Professional Engineer in the province of Ontario.

A Military Engineer by trade he has completed twenty years in the field of facilities engineering holding numerous positions throughout Canada and in support of UN operations including Canadian Forces Fire Marshal. Sean is a past Director of the Canadian Council of Fire Marshals and Fire Commissioners, a past member of the Underwriters’ Laboratories of Canada’s Fire Council, and past National Secretary of the Military Engineers’ Association of Canada. Sean has extensive experience in the fields of facility engineering, general safety, and risk management. He is a regular contributor to numerous fire and construction safety journals. He currently serves on the Boards of the Canadian Centre for Emergency Preparedness.
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