



PROJECT MANAGEMENT CONFERENCE

November 27-29, 2007

Explorer Hotel, Yellowknife, NT

A SUPER CONFERENCE NORTH OF 60°



Latest Trends

Bidding, Tendering and Contracting; Liability of Consultants, Contractors and Owners; Construction Securities/Bonding; Construction Liens in the NWT; Alternate Dispute Resolutions; Construction Strategies; Risk Management; Management of Hazardous Materials in Construction and Liability; Dynamic Project Management (adjusting to 21st century); Preconstruction (preparing for affordable design, construction and operation); Commissioning (from construction to a working facility); Building Design for Climate Warming in Permafrost; Design Sustainable Building Envelopes; Building Envelope Restoration; Geothermal Heating and Cooling Process; People Skills for Project Managers; Integration of Life Cycle Costing in the Design of Green Buildings; Life Cycle Costing Models as a Logistics Management Decision; Protecting Workers at the Construction Site, etc.

Who Should Attend

This conference is ideally suited for contract administrators, architects, engineers, contractors, construction managers, project managers in private and government agencies, community representatives (technical staff), contract authorities, legal advisors, northern manufacturers, and other personnel seeking a better understanding of some of the most popular tools used in effective project management today.

Conference Sponsors and Contributors

Public Works and Services; Community and Government Services, Government of Nunavut; Municipal and Community Affairs; Transportation; Justice; Education, Culture and Employment; Health and Social Services; Financial Management Board Secretariat; NWT Housing Corporation; Environment & Natural Resources; Industry, Tourism & Investment; Aurora College/Advance Corporate Training and Development Ltd. (Vancouver); First Air; NWT Construction Association; Consulting Engineers of the NWT; A D Williams Engineering Inc.; Earth Tech (Canada) Inc.; Ferguson Simek Clark Engineers & Architects; PSAV Architects; Revay and Associates Ltd.; EBA Engineering Consultants Ltd.; NWT Association of Architects; Petroleum Products Division (GNWT); Borden Ladner Gervais LLP (Vancouver); QeD Inc.; Dillon Consulting Ltd.; Association of Professional Engineers, Geologists and Geophysicists of the NWT and Nunavut; RTL-Robinson Enterprises Ltd.; PCL Constructors Northern Inc.; NWT Power Corporation; VFA Canada Inc.; PHH ARC Environmental Ltd.; EarthSource Geothermal (Edmonton); I. Holubec Consulting Inc.; University of Alberta; Peterson, Stang & Malakoe; University of Calgary; Borden Ladner Gervais LLP; Concordia University; NAC Constructors Ltd.; Engineers Canada; Department of Supply and Services (NB); Workers' Compensation Board (NWT & Nunavut); Artisan Press Ltd.; City of Yellowknife; and Hovat Construction (1985) Ltd.

PROGRAM

Helping Northerners Prepare for Tomorrow



Moderators

Joe Auge, Principal, JT Consultants
 Garth Malakoe, Principal, Peterson Stang & Malakoe Law Firm

8:30 *Registration*

8:50 *Welcome*
 Paul Guy, Director, Asset Management Division
 Mike Aumond, Deputy Minister (PW&S)

8:55 *PW&S Minister's Opening Address*

9:15 **Construction Liens in the NWT: What are they? Issues for Communities and the Private Sector**
 Garth Malakoe – Peterson, Stang & Malakoe, Yellowknife

10:00 *Coffee Break*

10:15 **Liability of Consultants, Contractors and Owners: Recent Trends, Various Approaches to Consider**
 Chris O'Connor – Borden Ladner Gervais LLP, Vancouver

11:15 **Construction Strategies: Construction Management, Controlling Costs and other Options/Pros & Cons**
 Steve Revay – Revay and Associates Ltd., Calgary

12:00 *Lunch Break*

1:00 **The Formation of Construction Contracts: Tender, RFP's and Owner's Obligations**
 David Percy – University of Alberta, Edmonton

2:00 **Alternate Dispute Resolution: Options for Use in the NWT – Negotiation, Dispute Review Board, Mediation and Arbitration**
 Robert Eden – NAC Constructors Ltd., Calgary

3:00 *Coffee Break*

3:10 **Construction Securities/Bonding: Options for the NWT, Variations for Construction Management**
 Chris O'Connor – Borden Ladner Gervais LLP, Vancouver

4:10 **Risk Management: Delay Claims/Change Orders, Problems and Solutions**
 Steve Revay – Revay and Associates Ltd., Calgary

5:10 *Closing – Paul Guy*
 Meet & Greet at the NWTCA Trade Fair

6:15 *Sponsors Banquet*



Garth Malakoe is a partner with Peterson, Stang & Malakoe, a law firm that started in Yellowknife in 1944. Garth practices in a number of areas of law including issues involving construction contracts, engineer and architect discipline and construction litigation. He has been practising in the North since 1988. He has been involved in the Project Management Conferences since 1999.

Speakers



Francis Hartman is President of QeD Inc., a Canadian company that takes management innovation to market. Author of several books on management and holding a professorship at the University of Calgary, he has assisted clients in Canada, the US, Europe and the Middle East. These clients include governments as well as Fortune 500 companies and SMEs. Francis helps his clients by improving project and program delivery as well as turning corporate strategies into real results.



Janet Dean, Principal, Advance Corporate Training and Development Ltd. (Vancouver), helps clients identify and implement creative, results-oriented solutions to their project challenges. Janet works with organizations and individuals to keep their projects on track and on target through process mapping, strategic planning, effective resource deployment and financial management. Janet has a legacy of individual business and project success stories from around North America and overseas.



David R. Percy, Q.C., is Dean of Law at the University of Alberta. He holds a M.A. degree in Jurisprudence from Oxford University and a L.L.M degree from the University of Virginia. He teaches Contracts, Construction Law, Natural Resources Law and Oil & Gas Law and is the Co-editor of the Boyle & Percy, Contracts: Case and Commentaries, now in its 7th edition, and is used in law schools across Canada. He has published three books on water law and has written extensively on topics in contracts and construction law. He has acted as an arbitrator and as a mediator in construction law disputes and as a consultant on major civil litigation matters.



Robert P. Charette, P.Eng., CVS, PQSF, is an associate adjunct professor at Concordia University in Montreal. He is a member and former secretary of the ASTM E06.81 Sub-Committee that developed building economics standards, and past co-chairman of their Task Group for the UNIFORMAT II Standard Classification of Building Elements, widely used for design estimates and schematic phase specifications. A past member of ASHRAE TC 1.8 on Owning and Operating Costs, he is also qualified as a Certified Value Specialist (CVS) by the Society of American Value Engineers and as a Professional Quantity Surveyor (PQS) by the Canadian Institute of Quantity Surveyors.



Scott Bartsch is a Principal with QeD Inc., an organization offering management consulting and executive education to progressive industry-leading organizations worldwide. Scott has been involved in a wide range of international initiatives within engineering procurement construction, mining, oil & gas, wireless data and internet communications, facility access control, and environmental sciences characterized by explosive growth and rapid organizational change.



Stephen O. Revay has been active for the past 30 years in the analysis of progress, productivity and cost on numerous construction projects. Steve has prepared or evaluated productivity and/or schedule analyses, including quantification, of claims on construction projects throughout the world. He has authored articles for various construction periodicals and conducted numerous seminars on construction disputes to owners and contractors alike. Steve frequently presents at in-house seminars and is a guest lecturer at the University of Calgary.



Lisa Raffin is the Vice President of VFA, Inc. She has over 20 years of experience in design, construction management, planning and facility management practices. Prior to joining VFA, she served as President of Mechanical Technologies Inc., a consulting/contract services firm for building mechanical systems. She also served as senior project manager for an affiliated mechanical contractor, All State Boiler Work Inc., which specialized in the construction of industrial, commercial and business use mechanical systems. Lisa holds a bachelor's degree in Mechanical Engineering from Tufts University.



Igor Holubec is a geotechnical engineer with extensive design and construction experience in permafrost across Canada and Alaska that was developed from work spanning nearly 30 years. He has worked on a large number of diversified projects ranging from roads to building foundations, mine projects, dams and marine structures. In March 2002, he retired from SNC-Lavalin Inc. Presently he provides his arctic expertise to the mining industry, consultants and government agencies as a senior specialist and advisor.



Cara Benoit, ROHT, is the Senior Project Manager for PHH ARC Environmental in Yellowknife. She has worked in the industry for over 14 years in the following disciplines: hazmat, industrial hygiene, indoor air quality, and mould. On behalf of PHH ARC Environmental Cara's experiences have included full project management/coordination and field work of hazardous materials abatement, industrial hygiene surveys and mould remediation across western Canada including Saskatchewan, Alberta, British Columbia and the Northwest Territories. The projects have included work in residential housing, government and public buildings, oil and gas plants, pulp and paper mills and petrochemical facilities.



Ms. Anne S. Clark is the President and Chief Executive Officer of the Workers' Compensation Board of the Northwest Territories and Nunavut. Ms. Clark is a graduate of the Bachelor of Law program at Dalhousie University. Formerly of Halifax, Ms. Clark is well versed in Workers' Compensation practices. In addition to her legal background, she previously served as the Chief Worker Adviser in Nova Scotia and was instrumental in developing the Workers' Advisers Program dedicated to providing injured workers with the best legal advice, assistance and representation available.



Christopher J. O'Connor, QC, C.ARB., FCI ARB., practices commercial litigation, arbitration and mediation. Chris is a chartered arbitrator (Arbitration and Mediation Institute of Canada), an accredited mediator and arbitrator (British Columbia International Commercial Arbitration Centre), a Fellow of the Chartered Institute of Arbitrators in London, England, and was a founding Director of the College of Canadian Construction Lawyers. Chris has extensive experience as counsel, as mediator, and as arbitrator in international and domestic commercial, construction, joint venture and insurance disputes.



Tang Lee, Professor, from the University of Calgary teaches building science, indoor air quality, sustainable design, mechanical and civil engineering at several universities in Canada and abroad. He is on several committees of Health Canada, National Research Council of Canada, Canadian Standards Association, on the board of CCMC, and help upgrade the training manual for building codes officers. He conducts indoor air quality investigations and qualified as an expert witness in civil and criminal cases. He is currently investigating several building envelope failures and developing practical repairs.



Robert W. Eden, P.Eng., Q.C., has been involved in almost every aspect of construction law, both on the local and international levels, from the preparation, negotiation and analysis of contracts, tenders and claim submissions, to the resolution of disputes through negotiation, litigation, arbitration and mediation. For more than twenty-five years, Robert has taught at the Alberta Construction Association's annual three-day residential seminar in Banff, "Law and the Construction Industry". Robert's legal career has focused on the construction industry, both in private practice and as corporate counsel. He is presently General Counsel for NAC Constructors Ltd., which is a major construction company, with projects throughout Canada.



Susan Anson, MDBA, has served as the General Manager of VFA Canada since 2003. She has 23 years of business enterprise and capital planning experience. Prior to joining VFA, Susan was responsible for overseeing the inventory and assessment of healthcare properties in BC on behalf of the Ministry of Health Services. She was also a member of the New Business Transformational team that provided strategic planning for BC Building Corporation, and has served as Owner's Agent to several institutions undertaking multi-million dollar capital planning requirements.



Hamish Moir, P.Eng. is certified as a Geothermal Designer registered in Canada with IGSHPA. Hamish has been involved in the design and construction of geothermal-based building systems for 8 years, and presently is a partner with Earthsource Geothermal which provides turnkey projects that integrate engineering design, geothermal/solar and conventional building systems in commercial buildings. Hamish has acted as an instructor of HVAC building systems at Algonquin College, Ottawa, and is currently a sessional instructor for BOMI (Building Owners and Managers Institute).



Bob Daigle, P.Eng. is the Director of Construction within the Department of Supply & Services, Province of New Brunswick. He is responsible for the cost, quality, and schedule control of all capital construction projects from tender award to commissioning. His Branch delivers effective contract administration and quality assurance services to client departments and agencies. This involves a variety of projects including educational, health-care, institutional, and tourism-related. Prior to joining Government in 1998, he served as a subcontractor and supplier to the industry for 12 years.



Gord Rajewski is a partner with A.D. Williams Engineering Inc., a major player in both the Canadian and Territorial construction industries. Gord has over 23 years of experience with all facets of building envelopes. He is well respected throughout Western and Northern Canada for his wealth of practical and technical expertise related to building envelopes. Gord will focus on the building envelope restoration being undertaken at the Bellanca Building in Yellowknife.



David Lapp is Manager, Professional Practice with Engineers Canada and is part of the Secretariat to the Canadian Engineering Qualifications Board (CEQB). His area of responsibility involves coordinating work related to the practice of professional engineering in Canada, including professional development, professionalism and ethics, development of model practice guidelines and coordination of projects supporting discipline and enforcement policies and procedures. His responsibilities include industry liaison and the implementation of a national action plan on climate change impact and adaptation, including a project to assess the engineering vulnerability of public infrastructure to climate change.

Moderators

Ed Hoeve, Partner, EBA Engineering Consultants Ltd.
Keith Sanders, Principal, PSAV Architects Ltd.

8:30 *Premier's Address – Challenges and future opportunities*

8:50 **Designing Sustainable Building Envelope: Principles of Building Envelope Design and its Ability to Resist Heat Loss and Air Leakage, Thermal Bridging Problems & Condensation Problems, and Strategies for Mitigation.**

Professor Tang Lee – University of Calgary

10:00 *Coffee Break*

10:10 **Preconstruction: Preparing for Affordable Design, Construction and Operation**

Dr. Francis Hartman – QeD Inc., Calgary

11:05 **Dynamic Project Management: Adjusting to the 21st Century**

Scott Bartch – QeD Inc., Calgary

12:00 *Lunch Break*

1:10 **Commissioning: From a Construction Site to a Working Facility**

Dr. Francis Hartman and Scott Bartch – QeD Inc., Calgary

2:00 **Virtual Reality Documentation of Construction Site Status: How to Monitor Project Construction Progress and Quality**

Bob Daigle – Government of New Brunswick

3:00 *Coffee Break*

3:15 **Geothermal Heating and Cooling; What is it and How is it Contributing to the North's Drive Toward Sustainability in Cold Climates**

Hamish Moir – EarthSource Geothermal, Edmonton

4:15 **Engineering Assessment of the Vulnerability of Canada's Infrastructure to Climate Change: Project Status Report**

David Lapp – Engineers Canada

4:50 *Closing – Paul Guy*

Meet & Greet at the NWTCA Trade Fair



NAPEGG Annual General Meeting

Wednesday, November 28, 2007
At 5:00 p.m. At The Explorer Hotel
Reception To Follow
www.napegg.nt.ca

Moderators

Gary Strong, Partner, Dillon Consulting Ltd.
Jerry Jaud, Principal, Ferguson Simek Clark

8:30 Life Cycle Costing (LCC) for the Design of Green Buildings Based on ASTM and ISO Economic Standards: Notion of Life Cycle Costing, Calculating Life Cycle Costs, Integrating LCC in the Design Process

Robert Charette – Concordia University, Montreal

9:50 Coffee Break

10:00 People Skills for Project Managers - Relationship Management for Project Management Success. Managing a successful project involves more than schedules, templates, and paperwork - it requires the application of strong interpersonal management skills to work effectively with people in a variety of roles. This session will provide tips in areas relating to conflict management, setting priorities, and the problem-solving process.

Janet Dean – Advance Corporate Training and Development Ltd., Vancouver

11:00 Utilizing Life Cycle Costing Models as a Logistics Management Decision Tool
Susan Anson and Lisa Raffin – VFA Canada Inc., Vancouver

12:00 Lunch Break

1:00 Effect of Climate Change on Permafrost - How to Design for the Future along the Mackenzie Valley. Climate change is now accepted as reality; designers have a responsibility to consider adaptation in the new projects they undertake. What design concepts should be considered for foundations, roads, water reservoirs and landfills?

Igor Holubec – I. Holubec Consulting Inc., Toronto

2:00 Building Envelope Restoration: Bellanca Building in Yellowknife – A Case Study. A northern building envelope restoration project, from initial investigation, to design strategy and finally, construction.

Gord Rajewski – A.D. Williams Engineering Inc., Edmonton

3:00 Coffee Break

3:10 Vermiculite (Asbestos Containing Material): Origin, Hazards, Use in Construction and Liability (risk assessment, abatement levels, etc.)

Cara Benoit – PHH ARC Environmental, Yellowknife

4:10 Workers' Compensation Act and Responsibilities for Workers Protection on the Job - WCB

Anne Clark and Sylvester Wong – WCB, Yellowknife

4:50 Closing – Paul Guy



NWTCA Northern Construction Trade Fair

In conjunction with the Project Management Conference, the NWT Construction Association will be hosting a Northern Construction Trade Fair. This is an ideal opportunity for delegates to create future business contacts and relationships with contractors and suppliers who work North of 60°.

Throughout the three-day exhibition, industry participants will be available to discuss their unique construction and maintenance products and services. Be sure to visit all of the booths and personally meet the people you will be doing future business with!

For more information, Contact:

Joanna Tiemessen, Event Coordinator
Kellett Communications
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T: (867) 669-9344
www.nwtca.ca

Exhibition Opportunities

For Architectural/Engineering Consultants: Maximize your company's visibility in front of key decision makers in your target market! For more information, contact Richard Cracknell at (867) 920-6461.

Banquet Information

Tuesday, November 27, 2007 at the Explorer Hotel

Sponsored by: Industry, Tourism and Investment, and the NWT Construction Association

Guest Speaker: Minister of Industry, Tourism and Investment

Registration Form

www.pws.gov.nt.ca/asset/conference.htm



PMCC PROJECT MANAGEMENT CONFERENCE

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