

Ruskin Dam and Powerhouse Upgrades



Who are we?

- Global reach... local knowledge
- Successful international project track record
- Operate throughout Canada
- Complete, co-ordinated international service from a single business
- One point of responsibility and contact for all services
- Cost effective performance related fees
- Contractor / subcontractor focus
- High quality managed services
- Quick response to client requirements
- Your worksite is our office
- High impact visualisations and apps
- Training programmes



Deep Panuke, Nova Scotia

Systech International provides responsive, high quality multi-disciplinary managed services to contractors, supporting them in the delivery of complex and challenging projects on time and to budget.

We are the leading global provider of commercial management, project controls, planning and scheduling, claims, expert witness, dispute resolution, legal and visualization services on construction, infrastructure and energy projects.

Our team of professionals provides services over the full lifespan of projects – from bid to handover – from our offices across Americas, Europe, the Middle East and Africa and Asia Pacific.

We understand the requirements and risks of projects and the need for robust and professional cost and schedule control throughout the duration. We also have the expertise to manage and resolve claim or dispute situations should they arise using our commercial and legal consultants who provide a co-ordinated and seamless service, avoiding the abortive work that often arises when using multi-party advisors.



Directors profiles

Craig Silcock, President, Americas



Craig is our Regional Managing Director for the Americas. Initially working out of our London and Singapore offices, he is now based in Atlanta with the responsibility for the continuing consolidation and growth of the company's business in the USA, Canada, South America, Central America and the Caribbean.

He has more than 20 years experience in the construction and engineering sectors working with a broad range of clients offering commercial, contractual and expert advice for a variety of projects including buildings, highways, airports, transit and communications with particular expertise in integrated systems and electrical and mechanical work.

Keith Gillam - Director, Canada



Keith is a well known and highly regarded figure in the Canadian construction industry, and is past chairman of the Toronto Construction Association. In 1991 Keith bought Vanbolts, a medium sized contractor and from then until 2008 he grew the company into one of Canada's largest firms and expanded its operations to include the USA, UAE and Bermuda with a strong portfolio of mixed institutional, industrial, resort and commercial work.

Keith started Canada's original First Nations construction company - employing, training and providing college scholarships for native youth. He also established Canada's first construction degree program at George Brown College and accepted the honorary degree of Bachelor of Applied Technology at the first convocation.

Christopher Mather, Vice President, Claims & Disputes



Chris Mather has over 30 years experience in international construction issues, contract administration, manufacturing consulting, and claims, and disputes management. In addition, Chris has experience as expert witness on a number of construction disputes internationally.


Chris is a member of the American Arbitration Association (AAA), and is represents the Construction Financial Management Association on the AAA's National Dispute Resolution Committee (NCDRC)

Jeff Perry, Vice President/ Expert



Jeff Perry has over 40 years international experience as a senior forensic scheduler and project planner. Jeff had a broad industry experience, including hydroelectric power plants, LNG facilities, natural gas processing facilities, pharmaceutical, steel mills, manufacturing plants, and major infrastructure projects.

Jeff has a professional degree in Construction Science and Building Construction.



Supporting you through the project lifecycle

Stoney Trail, Alberta

Risk Management

We are experienced in the identification, definition, quantification and control of risks and appreciate that risk management is not restricted to the early stages of a project, rather that it is an ongoing process over the lifetime of a project.

We manage risk and, should an event occur, we will assess the consequential cost, programme and procedural impacts.

Contract Management

We understand that it is essential to a project's success for costs to be pro-actively managed and controlled from concept through to completion, so that a "no shock" financial conclusion is delivered. Advice can be given on how to maximise returns on low margin projects.

Pro-active contract and commercial protection are put in place alongside practical controls and changes evaluated for time and cost impacts. Services provided include:

- Procurement strategy
- Bid support
- Estimate and budgets
- Project documentation
- Commercial strategy and procedures
- Contractual advice
- Contract administration
- Correspondence and notices
- Cost control and cost / value reporting
- Variations / change control
- Final account
- Project audit
- Supply chain management
- Dispute avoidance

Planning and Scheduling

Our strong team of planners is backed up by contractual and legal experts familiar with preparing programmes at all stages of a project – from bid, to on-site progress to retrospective forensic for use in disputes.

We do not simply plan a project. We bring new ideas, fresh thinking and solutions to problems whilst looking for opportunities to reduce time periods and de-risk through what-if scenarios. Services include:

- Tender, contract and / or baseline programme
- Resource and cost loading of programmes
- Construction solutions and phasing to reduce project duration
- Programme risk identification and comparison of mitigation methods
- Progress monitoring, reporting and audits
- Interface co-ordination
- Time impacts arising from change
- Recovery and accelerated programmes
- Earned value and other project benchmarking measures

Claims Management

Systech has a global reputation as a leading claims consultant on major projects and clients can be confident that we have the professionalism and expertise to look after their interests. It is our policy to discuss a client's specific claim objectives with them and then to provide recommendations as to how they can be achieved. We will carry out the relevant analysis, prepare documentation and negotiate a settlement.

Claims are often complex and we are able to use our visualisations expertise to demonstrate the main issues pictorially to aid communication to key decision makers.

Supporting you through the project lifecycle



White River Hydro Dam, Ontario

Services provided for claims for the recovery of additional costs include:

- Analysis of contractual terms and conditions
- Analysis of tender pricing, rates and productivity levels
- Inspection of records and contractual notices
- Analysis of actual time spent, costs incurred and actual productivity achieved
- Identification of contractual route for the recovery of costs and loss of profit
- Preparation of a cause and effect detailed analysis

Services provided for extension of time claims include:

- Identification of planned programme and critical path
- Ascertaining the adequacy of the planned programme and correcting as necessary
- Analysis of the revised / updated programmes and reasons for changes
- Inspection of records and delay notices
- Offset liquidated damages
- Preparation of forensic delay analysis using accepted techniques

Legal

Legal services are offered through Systech Solicitors, allowing us to provide a unique combination of legal and projects services under one brand and offer an innovative and cost effective approach to legal services which has been welcomed by clients.

Our solicitors, who are regulated by the SRA in London, operate across different jurisdictions from both civil and common law systems and a number of our team sit as part-time judges, arbitrators or adjudicators and on dispute review boards.

We provide contentious and non-contentious advice to our clients over the full lifespan of a project – from initial involvement in the structuring and drafting of contracts to formal dispute resolution and advocacy. Our solicitors are also available for short and

medium term secondments, becoming part of your team and working under your instruction.

Dispute Resolution

Our solicitors and counsel combine with our claims consultants, forensic planners and experts to offer a complete international dispute resolution service from a single business. Our consultants work together under a single point of responsibility to provide a fully co-ordinated and seamless service from the outset of a dispute to its conclusion. Our cost effective performance fee based service also benefits from full legal professional privilege.

Expert Witness

Systech has a worldwide panel of experts, who can advise on a range of contractual, quantum and time related issues. Our experts are familiar with providing testimony through written reports or at trial where their evidence is presented in court and subject to cross examination.

Visualizations

Systech provides ground breaking visualizations to ensure that key project messages are communicated to the decision maker. This is a powerful tool which can differentiate you from your competitors or convince your opposition party on the strength of your case.

Training

We offer an extensive range of training services which are delivered by professionals with hands-on project experience. Our training has proven to be of huge benefit to our clients, combining practical and academic elements to enhance greater understanding. We work with our clients to ensure that the content of each event is relevant to its business and its objectives and we encourage the use of workshops which utilise real project examples that are known to the participants.

Representative experience



Windsor Essex Parkway, Ontario

Project:

The Windsor-Essex Parkway is a major highway infrastructure project to improve the movement of goods and people through Canada's busiest gateway with Detroit, USA. The CAD\$1.4Bn PPP project was awarded to a Canadian/Spanish Joint Venture with a 4 year construction period and 35 year concession. It included 11km of 6 lane-extension and 7.5km of a 4 lane service road. It was constructed in busy service corridors requiring extensive traffic management and phasing.

Systech Role:

The DB Constructor retained Systech to assist during the key procurement phase of the project, which was delayed and falling behind schedule. Systech worked with the DB Constructor to assist in drafting of the major procurement packages, negotiating the terms and conditions and placing the contracts with local subcontractors. This included the major packages such as earthworks and concrete packages, amongst others.

Deep Panuke, Nova Scotia

Project:

Deep Panuke is a Gas Production and Processing Platform located offshore in Nova Scotia, which produces 300MM scf per day of gas. The owner awarded the EPCIC project to a European EPC shipbuilder. The project suffered extensive delays which resulted in large portions of the scope being executed in an inefficient manner, onshore in Canada and eventually, offshore following hook up.

Systech Role:

The EPC Contractor retained Systech to assist with Contract/Commercial Management during the latter 12 months of the project to address issues affecting the critical final acceptance and close out of the project and all outstanding legacy Changes. Despite the project already being in litigation, Systech focused the parties' attention on their remaining obligations and in achieving the earliest compliant acceptance. Due to improved relationships forged by this approach, the project was successfully signed off and placed on-hire, and the parties were eventually able to settle the litigation out of court.



Representative experience



South-East Stoney Trail, Alberta

Project:

Stoney Trail Parkway is a new ring road around Calgary, AB. The South-East section links the Trans-Canada Highway with Deerfoot Trail and is the largest highway project in Alberta's history. The CAD\$800m PPP contract was awarded to a Canadian/Spanish JV and had a highly demanding 3 year construction period and a 30 year concessionaire period. It consists of 25km of 6 lane divided freeway, 27 bridge structures, 9 interchanges and 2 rail flyovers.

Systech Role:

Systech were retained to assist in the evaluation and the preparation of contractual claims related to time and cost impacts arising from scope changes and delay events. Systech embedded a Senior Contracts Consultant into the DB Constructor's team to advise management on its entitlements under the DCOM contract. We offered tangible advantages over our competitors as Systech have over 20 years experience in PPP contracting in the UK.

Northland Power Solar Farms, Ontario

Project:

The Northland Power Solar Farms program is a series of 13 solar project sites which will collectively produce 130MW into the Ontario grid. The Belleville/Huntsville phase comprised of 5 sites to be constructed concurrently. The EPC contract was awarded to a specialist subsidiary of one of Canada's largest EPC Contractors.

Systech Role:

Systech were retained by the EPC Contractor to perform a peer review of a delay analysis. The review by Systech identified several areas the EPC Contractor could improve its position, using a more thorough method of analysis. Consequently, Systech were engaged to complete the delay assessment exercise and to assess any concurrent delays connected to the major installer subcontractor. To do so Systech deployed a forensic scheduling and cost damages claims team. We were then retained to assess claims/liens that had been raised by the installer subcontractor and to assess the level of the EPC Contractor's own culpability for delay. Systech assessment involved a detailed analysis of the installer's productivity.



Representative experience



CHUM Hospital, Quebec

Project:

The CHUM, or Centre Hospitalier de l'Université de Montréal, is the result of a merger of three hospitals in the heart of the city of Montreal, in Canada. The future 268,000 square meter world-class teaching hospital and research facility will hold 772 private rooms, 26 inpatient units and 39 operating rooms as well as a new power plant, and will rely on cutting-edge technology and equipment to deliver its services. The project, a CAD\$1.9BN public-private partnership, Canada's largest PPP, is being constructed by a JV consortium comprising a UK and a Spanish contractor.

Systech Role:

Systech have been retained by the JV consortium to provide assistance with preparation of forensic schedules to ascertain entitlement to Extensions of Time, and to assist with claims arising from design of the works. Specifically, Systech were able to provide consultants with French language skills, as necessitated by the locale and contract documents.

Autoroute A30, Quebec

Project:

Nouvelle Autoroute 30 is a new ring road in Montreal comprising of a dual two-lane carriageway 42km in length, and was let to a Spanish/Canadian JV contractor, under a CAD\$1.6bn PPP contract. The project included 23 bridges, 7 of which were river bridges including the St Lawrence River crossing, 1.86km long, and the Beauharnois Canal Bridge, 2.55km long. Over 900 pre-cast concrete NEBT beams were needed for the bridges and over 1.7 million square metres of asphalt was laid.

Systech Role:

Systech were appointed by the DB Constructor to assist in the preparation and evaluation of claims in connection with design defects. Systech worked on site with the construction team in the preparation of claims as well as preparing the arguments against counter-claims. The claims were settled following a Mediation process.



Representative experience



White River Hydro Dam, Ontario

Project:

The White River project includes two small hydro plants, which are located six miles apart, and is located approximately 50km South of the Town of White River in Northern Ontario. The project is being jointly developed by Manulife Financial subsidiary Regional Power and Pic Mobert First Nation. The project is a 19MW hydro project, and is being constructed by a major Spanish contractor for the sum of US\$102M.

Systech Role:

Systech has been retained to provide commercial and claim support in preparation of potential dispute resolution. Commission requires Systech be based at site on client's camp in Northern Ontario.

Western & Eastern Transmission Line Projects, Alberta

Project:

In the last 20 years, with the development of Canada's oil sands, Alberta has welcomed more than one million new residents, and the demand for electricity has doubled, yet the backbone of the transmission system has remained largely the same. The WATL and EATL projects are being constructed to reinforce the reliability issues for consumers in Southern and Central Alberta. Each project consists of a new 500kV line running North/South between Edmonton and Calgary, Alberta, and with converter stations at each end to convert electricity from DC to AC. Systech's client, is constructing the four converter stations, with a combined contract value of approximately CAD\$720M.

Systech Role:

Systech has been engaged to provide a team of consultants to provide contractual and commercial support to their operations teams. Systech's consultants are based on the four remote sites in Alberta.



SECTORS

Construction

Building, civil engineering, mechanical and electrical

Transportation

Rail, air, highways

Energy

Power, oil and gas

Mining, metals and minerals

Defence

Telecommunications and IT

Shipping and marine

Industrial and process

Facilities management

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