



INNOVATIVE PIPELINE PROJECTS LTD.

ENGINEERING, PROCUREMENT AND CONSTRUCTION MANAGEMENT FOR PIPELINES



IPP provides full EPCM services for oil and gas pipeline projects: conceptual studies, cost estimates, route selection, regulatory support, detailed design, specifications, procurement, permitting support, construction contracts, and construction management



PROFILE OF INNOVATIVE PIPELINE PROJECTS LTD.

Innovative Pipeline Projects Ltd. (IPP) is a private and locally-owned engineering firm specializing in long distance pipeline projects for the oil and gas industry in Western Canada. IPP offers full engineering, procurement and construction management (EPCM) services with a focus on careful planning and orderly execution of complex, multi-discipline pipeline projects. The IPP team brings extensive experience in all stages of both federal and provincial regulatory approval processes, and has proven capabilities in delivering all EPCM services for pipeline projects, including:

- conceptual studies and estimates
- detailed route selection
- detailed design
- cost and schedule controls
- materials procurement
- tendering
- contract administration
- construction management

LOCAL EXPERTISE

IPP provides excellent local knowledge value, together with extensive past routing experience for pipeline projects in Western Canada. The three founding principals of IPP are very familiar with the wide range of conditions and settings to be found in the region. Their expertise encompasses the most challenging conditions: mountain terrain routing and logistics, muskeg designs for hot oil lines installed in frozen conditions, planning through congested urban utility corridors, specifications through irrigated lands, and attention to detail through private farmland.



EXCELLENCE IN EXECUTION

For larger projects, IPP commits key people fully to the work from start to completion. This is most important for large projects with distinct phases. Our experience has shown that to assure quality, maintain schedule and minimize costs a project demands a fully-dedicated staff of key personnel with no priority conflicts.

Having a dedicated team achieves continuity in decision making while avoiding potential information losses, duplication of effort and learning curve inefficiencies. It also promotes top performance from key individuals who take ownership of budgets, schedule and contracts, and thus work harder to defend these key commitments and deliver on them through to project completion.

IPP also works closely with project owners and contractors to meet all environmental commitments and support the safe execution of projects.

KEY PERSONNEL

IPP's three founding principals all have lengthy histories with Integrated Pipeline Projects, a prominent regional specialty pipeline engineering firm based in Calgary, which was subsequently acquired by a larger firm. They draw on this 20 year heritage of providing quality, innovation, and responsive client service.

TONY GRIFFIN, P.ENG.

Tony has over 35 years of experience as project manager and other key senior positions on a broad range of new pipelines in Western Canada. He has primarily worked on long distance projects, accumulating to several thousand kilometres, the majority of which were actually constructed. Tony is experienced in large project organization and management, and in directing engineering work for liquid and gas pipelines ranging from 8" to 48" in diameter. Key strengths are in overall project planning, understanding of detailed design issues, and attention to detail in contracts both for commercial tightness and for corporate due diligence in areas such as environmental commitments. Tony has dealt extensively with federal and provincial government approval agencies, and has been an expert witness during project approval proceedings.

ROB FLETCHER, P.ENG.

Rob has worked in the pipeline industry for over 27 years as a design engineer and project manager for liquid and gas facilities and pipelines ranging from in diameter from 4" to 48". He is experienced in managing engineering teams, in the detailed design of large diameter pipeline projects in challenging mountain terrain and in providing responsive engineering support during construction. His past responsibilities have also included scope definition, budgeting, contract preparation, writing regulatory submissions, specification development, and project management.

DAVE JULIAN

Dave has been involved in the pipeline industry within North America and internationally for approximately 40 years and has extensive experience in engineering, construction and management aspects of pipelines and facilities. His responsibilities have included surveying, route locating work, project management, technical assistance with engineering studies, cost estimating for pipelines and related facilities, construction contract documents preparation, bid preparation for inspection services, and overall organization and management of construction and field inspection activities.

OWNERSHIP

IPP is wholly-owned by the above three working principals and Upside Engineering Ltd. Upside is a mid-sized engineering firm with expertise in design and construction support for midstream facilities and pump stations. IPP has teamed up with Upside to provide pipeline engineering services to the North American energy industry. IPP operates out of the Upside offices in Calgary, drawing on its established office services and project support systems such as project controls on costs and schedule, quality control, document control, and secure retention of project data. Please also visit the Upside website at www.upsideeng.com





EXPERIENCE

IPPL's three founding principals have held key roles in the delivery of many long distance pipeline projects in Western Canada, some examples of which are listed below:



Corridor Pipeline Expansion: 463 km of NPS 42 pipeline for complete EPCM services, including detailed engineering design, procurement, construction contract documentation, construction inspection, construction management, and engineering support during construction. The project included winter and summer construction through a range of muskeg swamp, rolling bushland, and developed farmland.

Trans Mountain Anchor Loop: 160 km of NPS 30 and 36 pipeline through the Rocky Mountains of Alberta and British Columbia, crossing through Jasper National Park and Mount Robson Provincial Park. The engineering scope of services included routing studies, field routing, regulatory support and community discussions support, expert witness before the National Energy Board, detailed design, construction contract document preparation, and engineering support during construction. The pipeline was designed for installation beside and under Highway 16, and beside the CP Rail mainline to minimize impact to the National and Provincial Parks.



Nipisi Pipeline: 100 km of NPS 24, 90 km of NPS 20, and 145 km of NPS 8 diluent and warm temperature blend oil pipelines located in northwest Alberta. The engineering scope of work included routing studies, detailed design, construction contract documentation, and engineering support during construction.

Boreal Pipeline: 400 km of NPS 12 high vapour pressure and warm temperature natural gas liquids pipeline between Fort McMurray and Edmonton, Alberta. The engineering scope of services included routing, detailed engineering, preparation of construction contract documents, and engineering support during construction.

CONTACT US

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