



Year of completion	Start Date	Project Title and Location	Client	Services provided	Total project cost (in million CA \$
Ongoing	2003	Romaine-2 Hydroelectric Development, Québec, Canada	Hydro-Québec	Engineering, including review of studies, development of concepts, analysis of options, preliminary and detailed design, estimating of direct construction costs, as well as preparation of a master construction schedule.	2,500
Ongoing	2004	Eastmain-1-A Power Station and Rupert Diversion, Québec, Canada	James Bay Energy Corporation (SEBJ)	Detailed design of powerhouse and diversion works (dams, spillways, dykes, tunnels, canals), including preliminary design, detailed engineering, preparation of tender documents and work supervision.	4,000
2012	2007	Shipshaw Optimization Project, Québec, Canada	Rio Tinto Alcan	EPCM services for the detailed engineering, procurement and cost estimation of the project, including environmental study and public hearings, followed by construction management in a second phase.	156
2009	2008	Pando and Monte Lirio Hydropower Projects, Panama	Electron Investment S.A.	Specifications for field investigations, basic design, construction planning and cost estimating, preparation of feasibility study report.	200
2009	2008	Memve'ele Hydroelectric Project, Cameroon	Globeleq/Sud Énergie	Document review, supervision of field investigations, layout drawings, tender documents and design report, assistance in the negotiation of sales contracts.	400
2009	2003	Rehabilitation of the Beauharnois Power Station - Block 2, Québec, Canada	Hydro-Québec	Preparation of drawings, specifications, materials lists, engineering reports, and follow-up of rehabilitation works.	500
2008	2006	Inga 3 Hydroelectric Power Station, Democratic Republic of Congo	Société Nationale d'Électricité (SNEL)	Feasibility study, including field investigations, hydrological studies, preliminary design of chosen alternative, simulations of headrace canal, cost estimation, construction schedule, economic and financial studies.	4,000
2008	2006	El Tablón Multi-purpose Dam, Honduras	Comisión Ejecutiva del Valle de Sula (CEVS)	Review and update of Feasibility Study, tender design and documents for the El Tablón Dam Project, IPP bid documents for the El Tablón Power Plant Project.	120
2008	2002	Bakun Hydroelectric Development, Malaysia	Malaysia-China Hydro Joint Venture	Study of tender documents, review of design documents and project organization, risk study, and provision of personnel for construction supervision.	725



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2008	2002	Cameron Highlands and Batang Padang Life Extension Project, Malaysia	Tenaga Nasional Berhad	Studies, tender documents, bid evaluation, review of contractor designs and assistance during manufacturing, construction supervision, including supervision of site testing and commissioning.	200
2007	2003	Péribonka River Hydroelectric Development, Québec, Canada	Hydro-Québec	Project brief, detailed engineering, drawings and specifications for tender purposes, follow-up of works on site for spillway, dam and dykes, and diversion tunnel.	1,200
2007	2002	Eastmain-1 Hydroelectric Development, Québec, Canada	James Bay Energy Corporation (SEBJ)	Preparation of project brief and synthesis of investigations, 3D modelling, drawings, specifications and tender documents. Follow-up of tender process, and technical support on site. Preparation of as-built drawings.	2,000
2007	2005	Chilla Hydro Upgrading Project, India	Uttaranchal Jal Vidyut Nigam	Feasibility study, project report and procurement specifications.	120
2007	2001	Rehabilitation of the Outardes-3 Power Station and 315 kV Substation, Québec, Canada	Hydro-Québec	Technical and economic studies, scheduling, tender documents, bid evaluation, quantity take-offs, estimation, verification of shop drawings, technical assistance during manufacturing and construction, as-built drawings.	75
2006	2002	Mercier Power Station, Québec, Canada	Hydro-Québec	Engineering services, including project definition, preparation of drawings and specifications, technical follow-up of construction, and preparation of as-built drawings.	140
2004	2004	Boguchanskaya Technical Audit, Russia	RAO UES of Russia	Assessment of the current state of the project, its cost of completion, the construction schedule, the possibilities for optimizing the project, and the power market for the energy generated by the project.	2,200
2004	1999	Chamera Hydroelectric Project (Stage II), India	National Hydroelectric Power Corporation	Turnkey services, including design, supply and delivery (by sea freight) of the electromechanical equipment.	600
2003	2000	Granite Canal Hydroelectric Development, Newfoundland, Canada	Newfoundland & Labrador Hydro	Complete engineering, procurement and construction management services provided in joint venture.	135

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2003	2001	Rehabilitation of Inga 1 and 2 Power Stations, Democratic Republic of Congo	Société Nationale d'Électricité (SNEL)	Technical and financial feasibility study, discussions with lenders regarding project financing, and assistance in negotiations with the various potential off-takers for the project.	620
2003	2002	Study of Nunavik's Hydroelectric Potential - Site PK-17, Nastapoka River, Québec, Canada	James Bay Energy Corporation (SEBJ), Hydro-Québec	Preliminary study and preparation of a report for the Nastapoka River, as well as of another report on cost estimation and scheduling of a development at site PK-17.	1,960
2003	1990	Barbara Multipurpose Project, Tunisia	Ministère tunisien de l'Agriculture	SNC-Lavalin carried out the feasibility studies, preliminary and final design, as well as construction supervision.	170
2003	1999	Beauhamois Powerhouse Rehabilitation (Block 1), Québec, Canada	Hydro-Québec	Concrete inspection for structural analysis and detailed engineering of rehabilitation works.	766
2003	1989	SM-3 Hydroelectric Development, Québec, Canada	Hydro-Québec	Feasibility study, detailed final engineering and construction supervision.	2,100
2002	1990	Xiaolangdi Multipurpose Dam Project, China	Ministry of Water Resources and Yellow River Water and Hydropower Development Corporation	Phase 1: Design review, preparation of tender documents and bid evaluation. Phase 2: Technical assistance in engineering, procurement, project and construction management.	2,200
2002	1993	Chute-à-Caron Rehabilitation Project, Québec, Canada	Alcan Primary Metal Group	Evaluation of structures, preliminary and detailed engineering of emergency works, and construction supervision.	80
2001	1998	Panniar-Pallivasal-Sengulam Hydro Upgrading, India	Kerala State Electricity Board (KSEB)	Engineering, procurement and supply of Canadian generating equipment, technical assistance for engineering of indigenous E & M equipment, and installation supervision.	85
2001	2001	Merowe Multipurpose Hydro Project, Sudan	Ministry of Energy and Mining	Technical review of the project, optimization studies, description of selected project, construction program and capital cost estimate.	2,300



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2000	2000	Dummugudem Hydroelectric Project Phase 1 – Pre-feasibility Study, India	Andhra Pradesh Power Generation Corporation Limited (APGENCO)	Pre-feasibility study, including hydrological and power studies, economic analysis of alternatives, cost/benefit analysis of the project and recommendations to the client.	600
1999	1999	Shuibuya Water Control Project, China	Hubei Qingjiang Hydroelectric Development Co. Ltd.	Review of Feasibility Study Report to summarize it in a suitable way to produce bankable documents.	12,000
1999	1994	Jiangya Water Resources Project, China	Lishui Hydro and Power Corporation (LHPC)	Assistance in the review of specifications for the RCC dam, bidding process, project management, construction supervision, and solving of environmental and resettlement issues.	270
1999	1999	Kouilou Hydroelectric Development - Prefeasibility Study, Congo	Magnesium Alloy Corporation	Prefeasibility study to confirm the technical and economic feasibility of the 360_MW hydroelectric project.	500
1999	1998	Feasibility Update of the Fomi Project, Guinea (Conakry)	Ministère des Ressources naturelles et de l'Énergie de Guinée	Mission to Guinea to carry out site investigations and collect the information required for the update of the feasibility study, and preparation of the study report.	450
1999	1998	Gull Island Hydroelectric Development - Final Feasibility Study, Newfoundland, Canada	Newfoundland & Labrador Hydro	Final feasibility study, including: optimization studies, review of project parameters, estimate of annual operation and maintenance costs, preparation of an optimum project schedule.	1,967
1999	1998	Muskrat Falls Hydroelectric Development - Final Feasibility Study, Newfoundland, Canada	Newfoundland & Labrador Hydro	Final feasibility study, including: optimization studies, review of project parameters, estimation of project annual operating and maintenance costs, preparation of an optimum project schedule.	965
1999	1984	Warsak Rehabilitation Project, Pakistan	Water and Power Development Authority (WAPDA), Canadian International Development Agency (CIDA)	Engineering, procurement, work supervision, as well as preparation and implementation of a training plan to transfer technology to the Owner's staff.	125

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