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**Ricardo Portillo – Project Manager**

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Ricardo Portillo is a Construction Professional with over twenty-one years of experience as a Construction Owner and Client Representative and Project Manager, directing, managing, planning, and supporting large and complex engineering projects, locally and internationally. Dedicated to and actively involved in corporate vision and operations. Has successfully managed risk, project economics and execution to meet client expectations.

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**Key Experience Related to the Position**

**Key Point 1:** Ricardo as a project manager, has managed large scale construction of hydropower plants both locally and internationally, from 20 MW to 500 MW. He has worked for engineering companies (AECOM, that have provided serviced to Hydro-Quebec and OPG in Ontario (Reginal Power and Andritz) and other international partners. Values ranging from 25 to 250 million dollars. O&M procedures are part of construction as you need them to get the plant working, he has been involved on many star-ups and commissioning of plants.

**Key Point 2:** Ricardo has experience with greenfield projects, local and international, he has worked on projects for OPG and Hydro-Quebec, involved in all aspect of the plant operations. He did a refurbishment of four sluices gates for OPG with Andritz, in the Pine portage generating facility. Also, led a control dam refurbishment/enlargement for Hydro-Quebec to enlarge the capacity of the retention pond.

**Key Point 3:** Ricardo has led multiple teams in project ranging from windmill parcs to hydroelectric dams, high rise buildings (commercial and institutional). He implemented a QA/QC, EH&S plan in a project in Ontario where he was asked to step in as a GC (Regional power), where he had to build a

team and finalize the project, without stopping the construction activities.

Ricardo has led the construction of a hydropower plant with more than 1.5 million men-hours without an LTA (loss time accident).

**Key Point 4:** Ricardo has developed and implemented multiple protocol documentation for tracking cost, project performance, able to set up a cost analysis based on performance, have participated in multiple tenders and bids, doing estimates of works for GC's and Engineering firms, have developed and managed large schedules with P6 and MS Project, Extensive knowledge of engineering construction methods. Monthly reports and financial forecasting are a regular task in my position and have managed projects up to 1 billion dollars in value. Risk analysis and assessment is the base of any project and needs to be implemented from the beginning, I have extensive experience with risk analysis procedures and methods in all aspect of the project.

**Key Point 5:** Ricardo has led numerous teams in a variety of projects were scheduling needs to be performed and perfectly coordinated, when building a windmill parc delivery of pieces for each turbine needs to have in a particular way for cost effectiveness and coordination of erection activities. Furthermore, these types of contracts have

large LDs associated with them, and therefore coordination is paramount.

### **Professional Background**

- PTAG- Construction Consultant, Markham, ON, Nov 2013 – Present
- Andritz Hydro AFI. (Montreal, Quebec), Pine Portage Project (OPG), Nipigon, Ontario, Project Manager, Oct -Dec 2017
- AECOM (Montreal, Quebec), Jane River Culvert Project (Cliffs Natural Resources), Labrador, Construction Manager, Jul 2013- Nov 2013

### **Professional Certifications & Qualifications**

- Quebec Order of Engineers - 131668
- Professional Engineers of Ontario - 100206478

### **Fields of Competence**

Construction, Heat, Power, Generating, Plant Operations, Field Services, Plant, Facility, Refurbishment, Upgrades, Maintenance, Brownfield, Greenfield, Contractors, Work Scope, Schedule

### **Education**

B.Eng.; Civil Engineering; Concordia University; Montreal, Canada, 2000

### **Languages:**

English, French, Spanish

### **Home Location:**

Mississauga, ON

## Relevant Professional Experience

### **PROFESSIONAL OVERVIEW:**

Has successfully managed risk, project economics and execution to meet client expectations. Able to create, develop and maintain relationships with decision makers and key clients; and to influence teams through innovative approaches and methodologies. Able to balance technical capabilities with work-force management and collaborative skills. Earned a reputation as a thoughtful leader with the ability to train and lead efficient, goal-focused teams.

### **CORE COMPETENCIES**

- Project Execution and Management, Private and Commercial
- Scheduling, organizational & Time management (Primavera P6, MS Project) Estimation, Cost analysis and Budgeting
- Quality Assurance, Quality Control Plans (QA/QC),
- IESO, Hydro-Quebec, OPG, MTQ CEHQ, MNR, ASTM, CSA, FEMA dams, MTO
- Conflict and Critical issues resolution
- W2W contracts (Water-to-Wire Contracts for hydroelectric dams)
- PPP-EPC-EPCM-FIDIC-CDA Lump-Sum, Cost-Plus, Turn-Key type contracts
- Team Leadership and Mentoring
- Hydroelectric Dams construction (Hydro-Quebec, OPG, International)
- Wind farms Construction (logistics, contract, construction, management)
- ICI (Montreal, Trinidad & Tobago)
- Heavy Civil works (Mining, Tailings, Tunnels, dikes, basins.)
- Design, Specifications, drawings
- Problem Solving, Technical and Analytical Skills
- Proficient in MS office SUITE, XL, WORD, OUTLOOK.
- Change of Scope management
- Contract Management, Claims
- Bridges, tunnels, Airports.
- Infrastructure
- Environmental Plans (First Nations Partnership)
- Health and Safety Plans (H&S), CSSNET, OSHA
- Document control management (time sheets, production sheets)
- Contract changes and modifications, Take over's

### **AREAS OF TECHNICAL EXPERTISE**

- Engineering: Detail design, proposal engineering, specifications, and drawings, Budgets, and Cost estimation. Structural Reviews and inspections for Steel and Concrete structures, in-depth knowledge of ACI, ASTM, BNQ, CSA, FEMA Dams, MTQ norms and standards.
- Installation and Construction Experience:
  - Power Generation: Wind, hydroelectric dams, Substations, & Switchgear, Transmission lines (HV-LV).
  - Infrastructure: roads, bridges, schools, sports facilities, libraries
  - Heavy Civil/Mining: tunnels, major excavations), tailings ponds, dikes, basins.

- o ICI: Residential/commercial High rise, university buildings, shopping malls.
- o Residential: Houses, buildings, apartments.
- o Water/Waste: water treatment – sewers, trenching, drainage, solid waste treatment & disposal.
- o Specialized: Theatres, cinemas and events facilities, laboratories (scientific laboratories including animal research facilities), White/clean rooms, R&D projects, Structural upgrades, Fiber optics networks.

Expertise in: MEGA Project management, Structural concrete and steel constructions, Contract Scope change, Cost and Scheduling Management, First Nations Partnerships. EPC, EPCM, PPP.

**NOTABLE ACCOMPLISHMENTS**

- AECOM (RSW) – Successfully managed the installation of a TREK turbine on the St-Lawrence River in Montreal, the turbine is still connected to the HQ energy grid. A first of its kind (kinetic energy generated by runoff the river flood.)
- GENIVAR T&T – Successfully demolished a 5-story building in downtown Port-of-Spain, Trinidad and Tobago, the building was demolished without disturbing the central adjacent shopping malls and business in Capital’s downtown area)
- EDF EN Canada – Successfully managed the installation of 150 wind turbines in norther Quebec with a total budget of \$1 billion USD, under extreme weather conditions, including logistics for equipment coming from Europe. Project was delivered on budget and on time, connected to the HQ Grid, allowing the client to start generating revenue as per schedule.
- Regional Power – Spearheaded the take-over of a nonperforming GC contract, renegotiated with subs, set up a team of 52 and successfully completed construction of 2 hydro dams, with over 10 000 m3 of concrete poured in the winter at temperatures below -40C. Had over 1,000,000 man-hours with no time loss due to accidents. Established a QA/QC program and a Document Control Process to strengthen project management process.
- Gespro-BFC-Divco - Hired as a site engineer and promoted to Project Manager for 5 level underground parking (65M), within a short time framework, during first position out of university.

**PROFESSIONAL EXPERIENCE**

**PTAG Inc, Markham, ON** **2013 – Present**  
**Construction Manager and Superintendent**

**Current Project: Atura Power Generating Station** **August 2021 – Present**  
**Construction Coordinator**

Responsibilities:

- Supporting the project management team to coordinate between operations, engineering, and project contractors to develop and execute project work scopes, execution plans, schedules, resource requirements, safe work permit applications, commissioning plans, pre-start safety reviews, documentation, drawing modifications, close-out of punch list items, and training as needed and where appropriate.

- Reviewing contractor submittals, for acceptance in accordance with site, project and contract requirements. Also responsible for safety and inspection/quality plan submittals, job safety analyses, and work plans.
- Reviewing and providing timely reports for any logistical issues or variance to the work schedules to the project manager, determine solutions to be implemented to ensure schedule adherence
- Routinely support the project manager in ensuring that site project team and site vendors are adhering to work schedules and performing work to meet deadlines
- Developing project work plans and a work schedule to complete the project work
- Prepare daily planning and status reports for coordination with plant workers and other Contractors onsite.
- Confirm all contractual deliverables are received, reviewed and accepted to verify claims for payment milestones.
- Assess the validity of contractor-requested Project Change Directives.
- Ensure all official project logs are maintained, and the items are promptly addressed by the Engineer or Contractor (including NCRs, RFIs, Punch Lists, work-to-go items, etc.).

**Ashbridges Bay WTP**, Toronto, Ontario

2021 - 2021

**Senior Superintendent** – Jasper Construction

- Implemented a concrete program and was able to pour over 2000 m3 of concrete in 1 month.

**Mount Dennis Childcare Centre**, York, Ontario

2020 - 2021

- **Senior Superintendent** – MJ Dixon

Responsible for coordination of site activities and contractors, schedule, cost, H&S, meeting, etc. It is a NetZero energy building the first for the City of Toronto. Includes, geothermal, and photovoltaic power as major power source.

**Mont-Wright Mining Complex**, Fermont, P.Q.

Aug 2019 – Jul 2020

**Project Manager** - L. Fournier Et Fils. (Val-D'or, Quebec)

- Managed a construction team consisting of 70 employees, including engineers, technicians, superintendents, support staff, etc. operating 24/7, to construct a basin and earthworks (dikes & dams) with the capacity to manage/retain over 250 000 US gallons water from mining exploitation.
- Implemented techniques for dewatering the area, developing construction methods, implementing H&S procedures for construction works. Coordinated all construction activities and resources (employees and equipment, materials.)

**WOOD PLC**

Apr 2018 – Aug 2019

**Sr. Resident Engineer, And Sr. Project Manager**

- Provided operational leadership to a team of 30 engineers and technicians responsible for the construction of new monitoring structures and tailing's ponds.
- This included concept and design of dikes, dams, canal, diversion and retention structures, water treatment plants, etc.
- Responsible for all site related construction coordination and execution, Client representative.

**Andritz Hydro Afi.**, Montreal, QC

Oct – Dec 2017

Pine Portage Project (OPG), Nipigon, Ontario,

**Project Manager**

- Led the construction/installation of 2 Sluice gates in the pine Portage Dam facility.
- Project had a 2-month delay, brought activities up-to-speed and schedule, completed the job before the Christmas holidays.

VP Latin America - Groupe Continuum. Mississauga, ON

Mar 2016 – Dec 2018

- Business development and management of my own company with an associate.
- Experts consulting in the sectors of Energy, large Heavy Civil, Infrastructure, Residential and Commercial projects.

**Regional Power** OPG INC., Mississauga, ON

Nov 2013 – Nov 2016

White River Hydroelectric Project, White River, Ontario. Canada

**Project Manager**

- Led the strategic planning, project management and ongoing day to day operations for constructing two hydroelectric dams (18.9 MW) in partnership with the First Nation community.
- Successfully led a multicultural team of 54 engineers, technicians, and key stakeholders including regulatory authorities (IESO), First nations councils, after taking over the GC for non-performance.
- Managed a remote camp of 342 people with 1500 plus workers and visitors from beginning to end of the project.
- Implementation of QA/QC and EH&S plans.
- Prepared monthly reports, scope changes, RFI's, RFC, and Change Orders, mentor employees, maintain good relationship with the First Nations Partners.

**AECOM**, Montreal, QC

Jul 2013 – Nov 2013

Jane River Culvert Project (Cliffs Natural Resources), Labrador

**Construction Manager**

- Implemented/oversaw resolution of a two-month delay of the demolition and construction of 3 bridges designed to accommodate the mine's future generating capacity.
- Implemented new strategies and procedures, delivered project 3 weeks before completion date on contract.
- Returned 1 MM\$ to the client due to lower cost of the management and related procurement work.
- Managed all project and construction aspects of project, prepared daily reports, managed day to day construction activities and resources, QA/QC, scope changes, RFI's, and coordination with subcontractors.

**EDF EN Canada INC.**, MONTREAL, QC

Feb 2012 – Jun 2013

LAC Alfred Wind Farm (300 MW), Amqui, Quebec,

**Project Director**

- Spearheaded the overall direction, general management, and supervision of day-to-day operations of the project, with a supporting team of five consisting of three engineers (i.e., two field engineers, one engineer as support for the director) and two field technicians under various EPCM contracts.
- Created and developed a document control system for the contracts (simultaneously) and the construction schedule, coordinated execution of all work, monitored project costs, including forecasting and all experts and professionals.
- Oversaw implementation/follow up of the Health & Safety Plan and QA/QC Plan.
- Supervised designers (EPC) to ensure that they met the needs of the construction and established budgets.
- Directed change management process, provided support to the management team under my supervision in activities related to supply, planning, contract administration, cost estimating, quality, health and safety, the environment.

**AECOM, MONTREAL, QC**

Jan 2010 – Feb 2012

Various Projects (Montreal, India, Pakistan, Peru)

**Construction Project Manager**

- Lead and provided operational leadership to a team of engineers and coordinated the execution of projects such as the TREK Turbine installation ((Kinetic Energy Recovery Turbine); Montréal (Québec,) Canada.
- Overall construction activities and management for the Barrage Mille Iles, Laval (Québec), Canada; CEHQ.
- Guided the preparation of Service Offers and Tender Evaluations, including development of preliminary construction schedules, budgets, and procurement schedules.
- Assembled proposed project teams and evaluated documents received for the following notable projects:
  - Nyamjang Chhu Hydroelectric project (2010); India, Bhilwara Energy Ltd. (700 M\$)
  - Likhu Hydroelectric project (2010); India, Bhilwara Energy Ltd. (500 M\$)
  - Mattagami Lake Dam (2011) Ontario, Canada (42 M\$)

**Équation Groupe Conseil, Laval, QC**

Nov 2008 - 2009

Various Projects

**Project Manager/Site Engineer**

- Supervised the preparation of Tender Documents for infrastructure, structural and electrical works for the city of Laval.
- Oversaw and coordinated ongoing construction works (day to day operations).
- Verified shop drawings, followed-up on budgets, evaluated tenders, client relations, coordinated professionals, followed-up on procurement, H&S and QA/QC plans.

**GENIVAR T&T LTD, Trinidad &Tobago, West Indies**

Jan 2006 – Oct 2008

Various Projects

**Project Manager**

- Managed various construction projects and technical teams for different projects for the T&T government, ranging from 10 to 220 MM\$, prepared tender documents, followed-up



construction work (day to day operations), transfer of technology, schedules, and budget, submittals, procurement, and scope changes, simultaneously overseeing multiple site teams.

- Projects included: Restoration of the "RED HOUSE" (2006 - 2008) Port of Spain; Chancery Lane Complex (2006 - 2008); San Fernando, The Salvatori building demolition (2006 - 2007); Port of Spain, Centers for performing arts NAPA SOUTH (2007 - 2008); San Fernando.

**GENIVAR GPM LTD**, Montreal, QC

2004 - 2006

Various Projects

**Project Manager**

- Led various multicultural construction teams, prepared, reviewed, and evaluated tender documents.
- Coordinated and managed construction work (day to day operations), schedules, and budget, submittals, procurement, and scope changes.
- Projects included: Relocation of the Faculty of Sciences of the UQAM (2004 - 2006); Montréal, Québec, Construction of a new building for the Faculty of Sciences of the Concordia University Loyola Campus (2004 - 2006); Montréal, Québec, Buildings "Hall, ER and GM" relocation work for Concordia University (2004 - 2006); Montréal, Québec, Engineering and Visual Arts Complex Construction for the Concordia University (2004 - 2006); Montréal, Québec,

Les Propriétés Belcourt, Montreal, QC

2004 - 2004

Les Villas Du Parc (150 Apartments Complex)

**Site Engineer**

- Led the project management and estimation of quantities of materials (concrete, steel, masonry, metal works, excavation) and coordinated day to day operations, verifying adherence to contract specifications.

**GESPRO-BFC-DIVCO**, Montreal, QC

2000 - 2004

Aggrandissement Du Palais Des Congres De Montreal

**Project Manager & Superintendent**

- Provided project management and coordination of daily work, preparation of the tender documents, tender analysis and follow-up, rental of equipment coordination and verification to specifications, standards and code governing the construction industry.

**Faculty of Engineering**, Concordia University, Montreal, QC

1999 - 2001

**Teacher's Assistant (Ta)**

- Tutored (prepare classes including the correction of homework) Matrix analysis; Design of Steel Structures I & II; Concrete Design I & II.

**Ville Mont-Royal**, Montreal, QC

1997 - 1999

**Technical Assistant to The City Engineer**

- Collected data for repairs of streets and sidewalks, surveyed and designed streets and sidewalks and obtained permits, City work supervision, Aqueduct repairs, and maintenance.

**EDUCATION AND QUALIFICATIONS**



- Working at Heights Certified ON
- Cours Sante et sécurité générale sur les chantiers de construction – ASP
- Lock Out Tag Out procedures (LOTO) – Cadenassage – Notions de Base – SPI
- FIRST AID – Secouriste (valid up to 24 April 22)
- Work at heights CAN/CSA Z259, ANSI/ASSE Z359 (Valid through 7 May 2021)
- Closed Spaces – Espaces clos CSA-Z 1006-10 (Valid through 8 May 2021)

**IT & COMPUTER SKILLS**

- Microsoft Office (XL, WORD, TEAMS, SHAREPOINT, OUTLOOK.)
- Primavera P6
- MS Project
- TPL, Maestro,
- AutoCAD
- SAP
- PowerPoint
- SCADA
- PCA Frame