

PROFESSIONAL AFFILIATIONS

Association of Professional
Engineers and Geoscientists of
Alberta (APEGA)
Engineers & Geoscientists BC
Engineers Yukon
Canada Green Building Council
The Authority for Total Cost
Management (AACE International)
(expired)
Project Management Institute
(PMI) (expired)

EDUCATION

B.Sc., Mechanical Engineering,
University of Alberta (2005)
MBA, Finance, Sauder School of
Business, University of British
Columbia (2014)
LEED AP BD+C (pending)

CERTIFICATIONS

P.Eng. (Alberta, BC, Yukon)
CFA Level 1 Completed
ABSA In-Service Boiler and
Pressure Vessel (IBPV) Inspector
National Board IS Boiler Inspector

AWARDS & HONOURS

Excellence in Construction (PCL)
Robert Stollery Leadership Award
(PCL)

BOARD POSITIONS

Advisor to the Board, Certified
Document Management
Association of Canada (former)

PUBLICATIONS

"Executing Industrial Module
Projects Under Extreme Market
Conditions", PCL Constructors,
Excellence in Construction
Roundtable

Bradley Fossen is the Managing Director for Aurora Professional Group Inc. and practices in Alberta, British Columbia, and the Yukon. Brad is a Professional Engineer with 15-years of construction experience and has consulted to the energy, private equity, construction services, research, and legal services industries since 2010. Over his professional career, Brad has led teams through design, procurement, project execution, quality assurance, and contract change management on both capital and maintenance projects and specializes in applying technological and commercial analysis to project workflows.

At any one time, Brad is engaged in multiple projects, either representing Owners or assisting Owners with design and project execution. Currently, Brad is the Project Manager for the Salt Spring Island Fire District, helping the District in conceptual planning for a new Emergency Services Centre, pre-referendum.

Within British Columbia, Brad is responsible for onsite wastewater (septic) system designs for residential and large flow (municipal) projects. Also, in the Gulf Islands, the APG Team offers potable rainwater designs and site development advisory and management.

During his time with FTI Consulting, Brad provided early forensics work on the construction claim litigation of Saipem v. CNRL. And while acting as the Major Projects Counsel for Kinetic Capital Company, Brad provided ongoing project delivery advisory to the company while they progressed through design and early project works.

Before 2010 and with PCL, Brad was responsible for building construction budgets and schedules, managing subcontractors, and working for workforce (union) strategies at the corporate level. He was also responsible for completing project post-mortems and construction claim analyses and reports.

Current Projects and Open Proposals

Feasibility Study, Decentralized Wastewater Systems 92021-2021): | Brad is advising the Sunshine Coast Regional District with class 'D' estimates and work plans to replace three community wastewater systems.

Firehall Project, Proposal, \$8M (2021-2022): | Brad represents the Owner and acts as the Project Manager.

Soundview Technology Center (2016 to 2021) | Brad represents the Owner and acts as Major Project Counsel for Kinetic Capital Company, a private equity group based in Vancouver.

Potable Rainwater Systems (Ongoing) | Through APG, Brad provides potable rainwater system audits, designs, and construction oversight.

Onsite Wastewater (Septic) Systems (Ongoing) | Through APG, Brad provides onsite wastewater system audits, designs, and construction oversight.

Experience / Selected Projects

Keyera Energy | Through APG, Brad provided specialty services to Keyera's \$600m gas and liquids project. Brad delivered multiple functions, originally running technical inspections and assuming oversight of the inspection team, later coordinating vendors and contractors at the project site, providing technical reviews, managing the closure program, providing final construction and pre-commissioning QA signoffs, and turnover to CSU/Ops liaising.

Consumers Coalition of Alberta | Through FTI Consulting, Brad provided capital project program efficiency analyses and expert evidentiary reports to support intervenor testimony during general tariff public proceedings centred on power and transmission companies.

Saipem v. CNRL | Through FTI Consulting, Brad provided early forensics work on the construction claim litigation between these two companies.

Kinetica Ventures | Through BE Group, Brad provided this government-academic partnership with tools and infrastructure to further their technology scouting and industry outreach program.

Kinetic Capital Company | Through BE Group, Brad provided this private equity company with acquisition targets within the desalination and water treatment industries. Brad guided the company through the technology evaluation and valuation steps and participated in site visits and negotiations.

Confidential – Water Pipeline | Through BE Group, Brad provided research, analyses, and final report authoring for an international development firm supporting their final investment decision on a multi-billion-dollar water pipeline.

Laricina Energy | Through BE Group, Brad provided asset integrity and management services to Laricina in support of their corporate development and capital projects efforts. Brad began by developing their supplier quality surveillance program and was responsible for overseeing and coordinating their inspector pool (18+ inspectors). This engagement transitioned into an integrity engineering role when he authored their integrity management system and further developed their asset integrity and project delivery infrastructure.

Various | Through BE Group, Brad visited and audited various contractors and manufacturers as part of owner pre-qualifications, offering project delivery and quality assessments.

PCL | Brad started out his career with PCL. He started with general project coordinator/ project engineer responsibilities, setting up document and material management programs and coordinating technical queries. His role quickly evolved. At the time of leaving PCL, he was responsible for building construction budgets and schedules, managing subcontractors, and working at the corporate level for workforce (union) strategies. He was also responsible for completing project post-mortems and construction claim analyses and reports.

City of Edmonton Gold Bar Wastewater Treatment Plant (Co-op) | This co-op role included auditing all as-built information for the facility, coordinating pilot projects and vendors on-site, and analyzing plant data for efficiencies.

Education, Associations, & Designations

Sauder School of Business at UBC	MBA, Finance (2014)
National Board of Boiler and Pressure Vessel Inspectors	In-Service Inspector (2012)
Alberta Boilers Safety Association	In-Service Boiler and Pressure Vessel Inspector (2012)
University of Alberta	Mechanical Engineering (Co-op), Business Mgmt. (2005)

Technical Competencies / Specializations

Business	Salesforce, JDE EnterpriseOne, SAP, MS Office, MS Access, Sharepoint, BlueCeilo
Analysis	Matlab, Crystal Ball (Monte Carlo Simulation & Risk Analysis), @Risk
Financial Tools	Bloomberg Terminals (BES Certified), Datastream, & Capital IQ
Project Management	Aconex, Procore, MS Project, OmniPlan, Primavera, Wrike, Mavenlink, Smartsheet, Fieldwire, Bluebeam, Slack, Teams
Design	Intermediate skills in mechanical design oversight, Freedom, fundamental skills with AutoCAD, Revit, Visio, Intergraph SmartPlant
Codes	ASME BPVC, ASME B31.1 & B31.3, CSA Z662, CSA Z767, ISO 9001, API 510, 570, 571, 572, 573, 650, 653, NBC, CEC, BCBC