

## ***Lean Facilitator, Sustainability Advisor & Geo-Environmental Engineer***

I am a strong believer of proactive environmental and social risk management, facilitating this through the processes of appropriate stakeholder engagement, identification of needs and potential risks and their relevant solutions, and integration of continuous improvement opportunities into planning, design, construction and operational management of development projects.

To facilitate success in these areas of work, I utilize my experiences in geo-environmental engineering, strategic planning and sustainability integration, and endeavour to engage and collaborate with relevant stakeholders and experts, to find appropriate solutions and mitigate environmental challenges any company may have or might anticipate in a future development.

## ***Entrepreneurship – Agent of BIG Change!***

Shift2Lean Inc. (previously start-up Lean Team), Saskatoon, SK  
**Co-Founder, Principal**

'16 Sep to present

*Working to change an industry stuck in processes creating excessive budget overruns, schedule delays and customer dissatisfaction – there are much better ways!*

- Training and facilitation of Lean Project Delivery implementation for construction projects
- Development of training programs and content focused on engagement, collaboration & problem solving, visualization of processes, spotting wastes & planning
- Business administration, including financing and marketing development activities
- Development of business and management processes, team cohesiveness & alignment

Enviro Integration Strategies, Saskatoon, SK  
**Founder, Principal, Sustainability Advisor & Change Agent**

'14 Oct to present

*Working to alter industrial practices to eliminate risks to people, planet and profit – engaging stakeholders & working collaboratively at early project stages will always bring better results!*

- Professional speaker, presenting on big ideas in mining waste management, lifecycle planning, integration of sustainability, collaboration & engagement, and more (see website for extended list [www.envirointegration.com](http://www.envirointegration.com))
- Consulting, training and implementation services in the realms of embedding Lean and sustainability philosophies, environmental assessment requirements, environmental improvement opportunities, and solutions to stakeholder concerns into projects, business strategies, and decision-making processes
- Facilitating collaboration of industry, stakeholders, and innovative solution providers to streamline the improvement of environmental and social performance
- Project management and execution of environmentally-related assessments, gap-analyses, research studies and closure strategies

## ***Corporate & Field Experience***

Cameco Corporation, Saskatoon, SK

'12 Jun to '13 Nov

### **Lead, Environmental Leadership**

- Multi-discipline, cross-functional and organizational level engagement & collaboration activities
- Early phase development of sustainability-related criteria & weighting mechanisms, for project selection and prioritization methodology within major projects portfolio and long-term financing
- Managed implementation of new environmental strategic planning process, including integration with existing business planning cycles and environmental management program requirements
- Development of long term and annual corporate environmental objectives and targets, facilitation of identification of aligned projects with major project portfolio, as well as new projects within operations to contribute to goals
- Integration of sustainability practices and lifecycle assessments to ensure positive triple-bottom-line outcomes of all projects, embedded into project design and management processes
- Team manager, accountable for development of annual plans & schedules, team development, and overall performance in delivering results on:
  - ⇒ Data analysis paired with opportunity, concept & feasibility assessments
  - ⇒ Optimization of tracking and compilation methods for monitoring indicator performance
  - ⇒ Internal and external communications of environmental performance and achievements
  - ⇒ Generating responses to stakeholder inquiries, from students, customers, investors, NGOs, and impact community or regulatory bodies, as necessary

Cameco Corporation, Saskatoon, SK

'08 Dec to '12 May

### **Senior Environmental Specialist, Environmental Leadership**

- Collaborative development of integrated environmental strategic planning process, designed to complement existing ISO 14001 requirements & reporting practices, while supporting the advance of pulling performance beyond compliance levels
- Organization & facilitation of collaborative workshops to solve challenging environmental issues and to change long-established siloed practices related to waste management
- Development and promotion of environmental leadership / sustainability change initiative
- Support of community business development pillar of Corporate Sustainable Responsibility team – internal stakeholder engagement of multiple sites and departments, identification of possible scopes of work for contracting to local community business providers
- Performed opportunity analyses, proposal of conceptual solutions & technology feasibility assessments in regard to minimizing or improving:
  - ⇒ Energy use, Greenhouse Gas emissions & process-related Air Emissions
  - ⇒ Water use and quality of discharges
  - ⇒ Waste & land use (incl. general, radioactive & mining wastes & footprint minimization)
- Technical support for operations and projects, including review & gap analyses for proposed facilities or expansions at all project design stages
- Development of performance reporting protocols and submission forms, compilation and reporting of environmental performance data in alignment with Global Reporting Initiative
- Authored environmental performance sections and supporting stories of new implementations / practices for biennial Sustainable Development Report

Cameco Corporation, Saskatoon, SK

'06 Jul to '08 Dec

**Geo-Environmental Engineer, Safety, Health & Environment – Hydrology & Civil**

- Review, assess and report on overall environmental and geotechnical performance of Tailings Management Facilities
- Project justification, scoping, planning, and management of extended scopes of work (multiple separate tasks involving various consultants at overlapping and subsequent stages), including review & reporting of progress on decommissioning project studies
  - ⇒ Hydrogeological modeling, Geochemical Source analyses, and Ecological Risk Assessments
  - ⇒ Reclamation & Alternative Cover / Closure Designs
  - ⇒ Field Investigations, Data Analyses & Surface / Sub-surface Characterization
  - ⇒ Budgeting & Implementation
- Management of future Tailings Management Facility Options analyses, including co-development of site selection criteria & ranking methodology, the site selection process, pre-feasibility field investigations & risk identifications for each site
- Support Operations in issues of a geotechnical or environmental nature
- Regulatory Report Writing, Meetings & Presentations

Synchrude Canada Ltd., Fort McMurray, AB

'02 May to '06 May

**Geotechnical Engineer, Extraction Tailings – Material Handling & Storage Team**

- Tailings Dyke Design – monitoring construction, stability, and seepage collection systems
- Analyzed instrumentation readings, field inspections, construction quality assurance
- Coordination & analysis of soft tailings deposit testing & trafficking program
- Soft deposit geotechnical characterization, drill plan development & field execution management, analyses & report generation of results
- Site support hydrogeologist – monitoring, mitigation, reporting
- Report writing, meetings & presentations

Kemess Mine Ltd., Smithers, BC

'00 Sep to '02 Feb

**Geotechnical Engineer (EIT), Mining**

- Construction planning & budgeting
- Preparation of contracts & contract management
- Management of dam construction and borrow investigation, development & reclamation
- Performance & As-Built Report writing for regulatory submissions
- Training, organization and oversight of field technologists, including office documentation and drafting responsibilities, and career development of staff
- Progress meetings & presentations to management

AGRA Earth & Environmental, Burnaby, BC

'99 May to '00 Aug

**Geotechnical Engineer (EIT)**

- Ground investigations (drilling, testpitting), data analyses & report generation
- Tailings Disposal Options studies
- Tailings impoundment water balance analyses
- QA/QC Expanded base and pipe pile installations
- QA/QC, field staff training and oversight, annual reporting for earth-fill tailings embankment construction

## ***Professional Training & Education***

Ongoing review of papers, articles, webinars and blogs on leadership, sustainability, integration and continuous improvement methodology, strategic planning and innovative technologies

Last Planner System, Value Stream Mapping, Target Value Design	2017
Lean Project Delivery 101	2016
Business and Project Management Advanced Frameworks – NexLev	2015
Crucial Accountability - Shared Visions	2013
Growing Business Acumen - Cameco	2013
Root Cause Analysis - Conger & Elsea	2012
Due Diligence & Supervisor Training - Cameco	2012
Influencer & Natural Step - Shared Visions	2010
Project Leadership - Project Management Institute	2007
Collaborative Communication & Problem Solving / Power Speak	2007
Project Management - Cameco, aligned with PMBOK standards	2007
Conflict Management	2004
Project Management Professional Certification – Project Management Institute	2016
Leadership Essentials Program - Cameco	2011/2012
Master of Applied Sciences, Mine Waste Management, University of British Columbia	2001
Bachelor of Applied Sciences, Geological Engineering, University of British Columbia	1998
Certificates of Industrial Drafting & AutoCAD, Kwantlen College	1993

## ***Memberships & Volunteer Activities***

Project Management Professional – Project Management Institute, International & North SK  
Professional Engineer – Association of Professional Engineers & Geoscientists Saskatchewan  
Member & Volunteer – Tailings & Closure Management – Canada Mining Innovation Council,  
Environmental Stewardship Committee (since 2013)  
Communications Chair – Canadian Institute of Mining, Metallurgy & Petroleum, Environment &  
Social Responsibility Society (since 2014)  
Board Director – Women in Mining / Women in Nuclear Saskatchewan (since 2015)  
Member – International Women in Mining (since 2017)  
Member – Women in Infrastructure (since 2018)  
Member – SaskInteractive (since 2018)  
Member – Women’s Entrepreneurs of Saskatchewan (2014-2016)  
Director, Indoor Planning – Nutana Community Association, Saskatoon (2014-2016)  
Director at Large – Preston Early Learning Center (2010-2013)