



ASTUTE ENVIRONMENTAL & REGULATORY

Phenomenal Clients.
Exceptional Team.
Remarkable Results.



ASTUTE
ENVIRONMENTAL

Cut Through the Green Tape

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TOP: Restored creek.
TOP LEFT: Aerial assessments.
BOTTOM LEFT: Commercial assessments.

OUR STORY



**Consulting
that makes
sense of complex
environmental
legislation and
perplexing
government
requirements.**



Astute Environmental & Regulatory (Astute) is a dynamic and dedicated environmental consulting group.

Incorporated in 2014, Astute provides cost-effective environmental and regulatory consulting for the energy industry, commercial sector, and residential clients.

Our team consists of a diverse group of regulatory and environmental specialists with expertise in groundwater, soils, vegetation, and contamination management. We understand the challenging economic environment and the increasingly complicated marketplace our clients face. We are determined to help them find the optimal environmental solutions. Our goal is to provide consulting that makes sense out of complex environmental legislation and government requirements.

Astute is an innovative company with Workers' Compensation Board (WCB) coverage and liability insurance. Our safety program is developed to Certificate of Recognition (COR) standards and pre-approved by our clients and ComplyWorks.

Our work is based out of Alberta and we are members of professional organizations in Alberta, British Columbia, and Saskatchewan.





TOP: Agricultural and oil and gas investigation.

TOP LEFT: Site remediation and closure.

BOTTOM LEFT: Riparian restoration and reclamation.



We incorporate creativity, practicality and problem solving into all of our projects.



Our mission is simple.

**To serve our clients;
To provide expert and innovative consulting; and
To deliver cost efficient environmental and regulatory solutions.**

Our clients are phenomenal. Client relationships are the foundation of our group. We build our business on our clients' success. Astute prides itself for its ability to listen to our clients' needs, understand their issues, and present viable solutions.

Our team is exceptional. Our team focuses on foundational skills. We incorporate creativity, practicality, and problem solving into all of our projects. Our value lies in relationships and our ability to face challenges and work together to effectively deliver exceptional project results.

Our results are remarkable. We routinely develop and apply the site-specific environmental guideline values that are defensible, more suitable, and less stringent compared to the generic Tier 1 "one-fits-all" approach that is often unnecessarily restrictive. Our subject matter experts skillfully use all tools available in the environmental regulations including Tier 2 guidelines, statistical calculations, subsoil values for salinity and hydrocarbons, as well as guidelines for remote sites. Thinking outside the box is our standard approach...it makes sense!

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TOP: Contamination monitoring and investigation.
TOP LEFT: Pipeline remediation.
BOTTOM LEFT: Terrestrial assessment and protection.

OUR SERVICES



Phase I and II Environmental Site Assessments (ESAs)

Astute's services include completion of Phase I and Phase II ESAs to Canadian Standards Association's (CSA) requirements to determine the potential of legacy liabilities associated with historical use of a property.

Soil and Groundwater Remediation

Our team has over 50 years of combined senior experience in soil and groundwater remediation. Our soil remediation methodologies include in-situ treatment, bioremediation, phytoremediation, and excavation. Groundwater remediation techniques include monitored natural attenuation, mass balance calculations, pump and treat, and recovery and disposal.

Spill Response, Release Reporting, Assessment, and Remediation

Our spill response team aims to effectively remediate releases while ensuring protection of environmental receptors and the public. This includes release reporting, initial response and assessment, impact characterization and delineation, Remediation Action Plan (RAP) development, and "Seven-Day Letter" completion.

Land and Regulatory Applications for Pipelines, Facilities, and Wellsites

Astute provides regulatory support for a variety of applications in the energy industry including Alberta Utilities Commission Applications for power and gas plant exemptions, Environmental Protection and Enhancement Act (EPEA) applications and approvals, Alberta Energy Regulator (AER) Directive 056 Applications for upstream oil and gas activities, and AER Directive 058 applications for waste management licenses and disposal facilities.

Aquatic Assessment and Monitoring and Wetland Evaluations

Astute personnel have completed numerous aquatic projects including aquatic assessments of proposed watercourse crossings for pipeline alignments, preparation of site-specific best management practices, turbidity monitoring for Horizontal Directional Drilling (HDD) and open-cut activities, Code of Practice (COP) preparations, and Wetland Assessments classification and documentation.

Reclamation, Detailed Site Assessment, and Reclamation Certificate Applications

Astute has completed numerous upstream oil and gas projects for wellsites, Oil Sands Exploration (OSE) sites, gravel pits, and pipelines. Reclamation projects include light and heavy reclamation, Detailed Site Assessments (DSA) and reclamation certificate application preparation and approvals.

For a full list of our service offerings please visit our website at:
astuteenvironmental.com





TOP: HDD monitoring and planning.
TOP LEFT: Pipeline and regulatory environmental support.
BOTTOM LEFT: Environmental sampling and compliance.

OUR CLIENTS



We assist our clients in “Cutting Through the Green Tape” to meet their timelines and stakeholder requirements.



Upstream Oil and Gas: Environmental stewardship is a principal component of both future and legacy oil and gas projects. Astute brings creative, specialized and cost effective environmental solutions to help our clients “Cut Through the Green Tape”. Whether responding to a spill, completing regulatory applications for a pipeline, or evaluating and remediating site contamination, Astute strives to provide our clients with the best solution to maximize value and ensure successful project completion.

Commercial: Successful commercial development requires a clear picture of the historical liability and possible environmental impacts that may affect a site. Astute utilizes qualified professionals to assess and determine environmental requirements for commercial site success and applies creative assessment and remedial solutions in achieving closure. We work with regulators to mitigate environmental risk while achieving successful development.

Industrial: Environmental sustainability and air, water, and soil monitoring are at the forefront of ongoing industrial operations. Astute’s technical specialists provide support in these areas through industrial regulatory permitting and licensing, and monitoring to maintain compliance. We provide timely regulatory and permitting approvals to meet all stakeholder requirements and ensure our clients’ success.