Service Offerings



Architectural

- Surface facilities
 - · Offices
 - · Warehouses
 - · Shops/garages
 - · Compressor houses
 - · Security buildings
 - · Core logging buildings
 - Refuge stations
- Roof replacements
- Office/building renovations
- Facade replacements
- Ontario building code reviews

Civil

- Site plans
- Road network design, including haul roads
- Site traffic planning
- Condition assessments
- Pumping stations
- Site process water and storage tanks
- Stormwater management
- · Grading, backfill, culverts and ditching
- Buried infrastructure and underground services
- Tailings infrastructure

Electrical/Instrumentation

- · Process controls
- Power system analysis
 - · Short circuit studies
 - Protective device evaluations and coordination studies
 - · Arc flash studies
- Power distribution
- Switchrooms
- Grounding
- Fire alarm systems
- · Energy management
- Communications systems
- Substations
- · Overhead utility lines
- Backup power (UPS, generators)
- Lighting

- Cabinet design
- Functional descriptions
- PLC/DCS programming
- Underground systems
 - · Leaky feeder
 - · Central blasting
 - Telephone
 - · Video
 - Fibre
 - · Shaft cables

Mechanical

- Slurry pumping
- Process piping
- Heating and power plants
- Cogeneration and renewable energy
- Tanks and vessels
- · Cooling towers, boilers, etc.
- Belt and screw conveyors
- Chutes and bins
- Equipment specifications
- Building HVAC systems
- Dust collection
- Plumbing and fire protection

Mining

- · Maintenance engineering
- Hoisting plants, including headframes
- Shaft maintenance modifications
- Underground and surface material handling
- Systems (crushing, conveying, and screening)
- Loading pockets
- Mine wastewater treatment
- Ore pass modifications
- Ventilation
- Dewatering
- Mine longitudinals

Project Management

- Project conceptualization
- Business case development
- Multidisciplinary detailed design

- FEL studies and engineering reports
- Post-issued for construction (PIFC) services
 - · Tender assistance
 - · Shop drawing review
 - · Construction support
 - Commissioning plans, checklists, and field support
 - · General conformance reviews
 - · As-constructed drawings
- Estimating
- Scope, time, and cost management
- Quality assurance
- Nontraditional project delivery

Structural

- · Condition assessments
- Equipment access platforms
- Bridge design
- · Cranes and lifting devices
- Conveyor galleries
- Building structural modifications
- Equipment support structures
- Concrete vessels, retaining walls, etc.
- Foundation design
- Demolition plans
- Concrete dam

Water/Wastewater Treatment

- Background studies and investigations
- Condition assessments
- Optimization studies
- Environmental assessments and master plans
- Hydraulic stress testing and modeling (water and sewer)
- Capital and operating costs
- Conceptual and detailed design for upgrades and greenfield facilities
- Potable and process water supply and treatment systems





Service Offerings

Talk to us today

Bill Bélanger, P.Eng., ing.

Laura Grover, P.Eng.

Ray Lalonde, P.Eng.







