



# A LASTING PARTNERSHIP, FOR RESPONSIBLE MANAGEMENT.



## **A KEY PLAYER IN ALL AREAS OF INDUSTRIAL ECOLOGY**

Limiting the impact of industry on the environment requires sound knowledge of technology and regulation. Tetra Tech possesses an impressive roadmap and will support you with your projects related to waste characterization and reclamation, construction of landfills and containment structures, leachate management, landfill gas recovery, quantification, validation and verification of greenhouse gas (GHG) reports and carbon offset trading.

## **RECOGNIZED EXPERTISE IN A CIRCULAR ECONOMY APPROACH**

Tetra Tech is ranked the #1 firm in Environmental Management and Solid Waste by the Engineering News-Record. As we have done for hundreds of our clients, our experts will provide you with the best guidance to help transform your waste into raw materials or energy and grow your revenue.

## ENVIRONMENTAL AND ECONOMIC OPTIMIZATION

### WASTE MANAGEMENT PLANS

- Production inventories
- Establishment of reduction targets
- Development of solutions
- Technical and economic feasibility assessments
- Plan implementation and monitoring
- Results measurement
- Development of market opportunities for production by-products and other residual materials
- Development and implementation of green purchasing policies
- Development of performance monitoring and continuous improvement programs

### WASTE MANAGEMENT INFRASTRUCTURE PLANNING AND IMPLEMENTATION

- Ecocentres
- Recovery, transfer and composting facilities
- Waste treatment technology assessments
- Environmental and economic solutions for the treatment of cooling water from the petrochemical industry

### EVALUATION AND IMPLEMENTATION OF WASTE COLLECTION, TRANSPORTATION AND TREATMENT SYSTEMS

- Recyclables, organics, sludge, hazardous waste, construction, renovation and demolition (CRD) waste, institutional, commercial and industrial (ICI) waste, ore, slag

### LEACHATE

- Leachate quantity evaluations
- Selection of technologies
- Techno-economic analyses
- Pilot trials
- Full implementation of solutions

### LANDFILL DEVELOPMENT

- Site selection
- Hydrogeological and geotechnical studies
- Landscape integration
- Environmental impact studies
- Certificate of authorization requests
- Rehabilitation of former sites
- Design
  - Landfill cells
  - Leachate collection and treatment systems
  - Landfill gas collection and recovery systems
  - System automation
  - Pumping stations

### LANDFILL MANAGEMENT

- Operations management
- Operations phasing
- Personnel training
- Cost calculation
- Emergency response plans
- Health and safety

### GHG QUANTIFICATION

- Project pre-feasibility studies
- GHG reductions reporting
- GHG emissions reporting

### VALIDATION AND VERIFICATION OF GHG REPORTS

- Validation and verification of GHG reports under the following programs: BC Emissions Offset Regulations, Alberta Offset System, Climate Change Emissions, Management Corporation (CCEMC), ISO 14065, Climate Action Reserve, Voluntary Carbon Standard, Western Climate Initiative (WCI), The Climate Registry, Gold Standard, Clean Development Mechanism



## INNOVATIVE SOLUTIONS

Thoughtful planning of each environmental aspect of your business ensures financial benefits and regulatory compliance.

**Innovative solutions... from coast to coast to coast!**

More than 14,000 associates in more than 330 offices around the world.



1 855 786-0707 | [info@tetrattechcanada.ca](mailto:info@tetrattechcanada.ca) | [tetrattech.com](http://tetrattech.com)