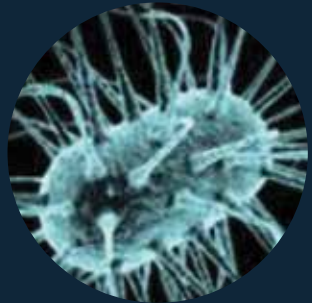


In the most rugged conditions, we have the creative vision and tools to tackle your most demanding environmental roadblocks.

- > Regulatory Compliance
- > Permitting
- > Air Pollution Control
- > Wastewater Treatment
- > Process Troubleshooting
- > Process Pilot Scale Testing
- > Solid Waste
- > Odor Control
- > Hazardous Waste
- > Process Engineering
- > Project Management
- > OSHA Compliance



Legionella Detection and Elimination



OSHA Workplace Safety and Permitting



Wastewater Treatment and Stormwater Planning



Cannabis Odor Control and Permitting

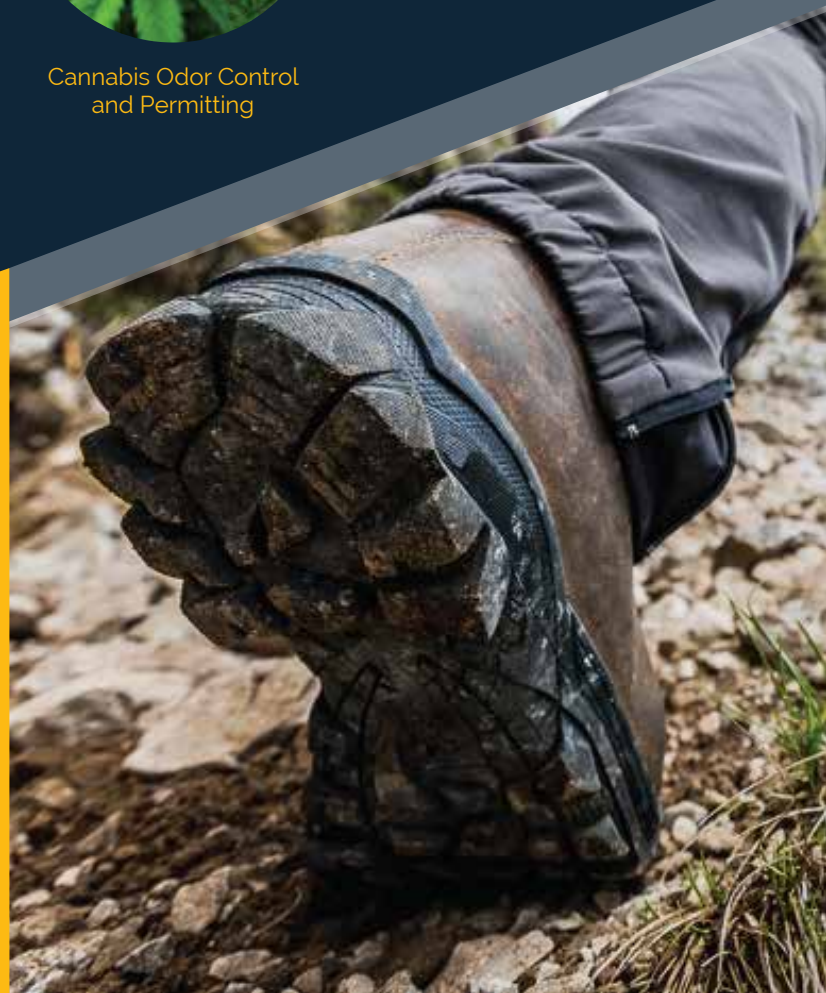
"30+ years experience!"

### Selling property?

Let BioLargo Engineering perform your  
ESA Phase 1 Inspection

Satisfy lending requirements and changes in property ownership with an ESA Phase 1 inspection. We'll identify and address the land and its physical improvements, provide documented evidence of due diligence, and identify need for remedial action.

**Contact us today!**



# ENGINEERING CAPABILITIES

## MECHANICAL ENGINEERING

Above/underground storage tanks (AST/UST) design and analysis  
Chemical feed and sampling systems  
Compressed air systems design  
Decontamination/decommissioning  
HVAC systems design and analysis  
Plumbing and mechanical systems design and analysis  
Refueling stations  
Utility piping design  
Water and wastewater treatment design and analysis  
Fire protection systems design and analysis

## ENVIRONMENTAL, HEALTH & SAFETY

Air Dispersion Modeling  
Air Emissions Inventory (AEI) Development and Assessments  
Air Pollution Control Design Evaluations  
Air Toxics Risk Assessment  
Annual Compliance Reporting  
Compliance Auditing (Air, Stormwater, wastewater, ISO, PSM, QA)  
Contaminated soil remedial actions  
Environmental site assessments (ESA)  
Groundwater extraction and treatment systems  
Hazardous waste remediation  
Human Health Risk Assessment  
Indoor Air Quality Testing  
ISO 14001 Auditing and Compliance  
Meteorological Monitoring  
Noise control  
Permitting  
Personnel Safety & Operations Training  
Pollution prevention and waste minimization  
Preparation of Closure Plans/Contingency Plans  
Process Safety Management (PSM)  
Professional Engineer (PE) – State Specific  
Project Management Professional (PMP)  
SARA Reporting (Form R)  
Soil vapor extraction (SVE) & remediation  
Source Emissions Testing (Stack Testing)  
Stormwater Pollution Prevention Plan (SPCC)  
Subpart BB, CC Monitoring Plan

## ARCHITECTURAL DESIGN

Feasibility studies and master planning  
Government  
Hospitality  
Medical  
Nuclear  
Residential  
Site planning  
Sustainable/green design

## ELECTRICAL ENGINEERING

Boiler controls and management  
Construction oversight  
Control logic diagrams  
Control system design (both classical relaying and PLC controls)  
Coordination studies  
Custom control panel design (with local fabrication)  
Decommissioning  
Emergency and standby power systems  
Photovoltaic system design  
Power generation  
Safety inter locks for machine control systems

## PROCESS ENGINEERING

Air Pollution Control System Design  
Chemical Injection/Delivery Systems  
Chemical process engineering for hazardous, nuclear and mixed waste  
Closure plans  
Combustion system modeling  
Computational fluid dynamic modeling  
Control systems  
Cost estimates (capital, operating costs)  
Design basis process design and conceptualization  
Energy management control systems  
Environmental compliance and testing  
Facility Layout, planning, permitting and design  
HAZOP Facilitator/process safety analyses  
Incineration/RTO/Fume/Catalytic  
Industrial WWTP Design  
Mass and energy balances  
Municipal WWTP Design  
O&M manuals, SOPs and operator training programs  
PFDs / P&IDs  
Pilot plant testing  
Plant commissioning and start-up  
Plant design  
Pneumatic Conveying Systems  
Process controls development and implementation  
Process Design (FEED)  
Process development and R&D  
Process feed systems  
Procurement support  
Project engineering, including subcontractor management  
Project management  
Remedial investigations, remedial designs, feasibility studies  
Risk assessment  
Scrubbers/Strippers  
Solids Conveying Systems  
Specifications and data sheets for instrumentation and equipment  
Technology evaluation  
Total project cost estimating  
Value engineering  
Waste treatment systems evaluation and design

## CIVIL ENGINEERING

Procurement support-scopes of work, bid tabs and bid reviews  
Storm-water controls  
Utilities  
Civil Engineering  
Procurement support-scopes of work, bid tabs and bid reviews  
Storm-water controls  
Utilities

## LABORATORY/PILOT SYSTEMS

Bench Scale Treatability Studies, General  
Gas Chromatography  
General Wet Chemistry  
Laboratory Analytical Methods  
Pilot Scale Testing  
Statistical Analysis  
Technology Application Demonstration  
Wastewater Chemistry  
Wastewater Treatability Studies



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