

## Expertise

### ❖ Architectural Design & Analysis

- Tenant Finishing
- Renovation and Historic Preservation
- Interior Layout Design
- Facilities Space Planning
- Custom Residential and Multi-family Design
- Site and Master Planning
- Commercial and Retail Design and Planning

### ❖ Civil & Structural

- Site Grading/Drainage Planning & Design
- Subsurface Utilities Design
- Computer Generated Cut & Fill Quantities
- Quantity Development
- Concrete & Steel Design & Analysis
- Mechanically Stabilized Earth (MSE) Walls

### ❖ Mechanical & Piping

- Pumping & Pipeline Engineering Calculation & Design (Slurry, Liquid & Gas)
- HVAC & Plumbing
- Equipment Specification
- Material Handling System Design
- Plant Layout & P&ID Design
- Plant Start-up and Commissioning

### ❖ Electrical, Instrumentation & Controls

- Power Systems Analysis (Short Circuit, Motor Starter, Protective Device Coordination, Ground Grid Design, Load Flow)
- Power Distribution Design
- Lighting, Grounding & Lightning Protection
- Substation Design
- PLC & DCS Specification, Programming & Startup
- Control Philosophy Development
- Graphic Screen Development
- System Integration
- Plant Start-up and Commissioning

### ❖ Project Controls & Construction Management

- Planning & Scheduling
- Cost Control Reporting & Estimating
- Economic Analysis
- Quality Assurance & Site Inspection

### ❖ CAD & Software

- MicroStation & AutoCAD (2D & 3D Design)
- STAAD & FrameWorks (Structural Design)
- InRoads & EaglePoint (Civil Design)
- ETAP (Electrical Analysis)

## Mission Statement

**We exist** to provide solutions to the challenges of our clients.

**SE** Samuel Engineering, Inc.  
*We Provide Solutions*  
Architects ♦ Engineers

**Architectural Design  
& Planning**

**Engineering**

**Project Controls &  
Scheduling**

**Construction  
Management**

**Contract/Construction  
Administration**

**Very Creative  
Highly Responsive  
Extremely Competent**

**We Do It Once.  
We Do It Right.  
It's Called Pride !**

**Samuel Engineering, Inc.**

Telephone: 303.714.4840

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## Project Types

- Power Generation
- Pumping Stations
- Pipelines
- Water and Wastewater Treatment
- Mining
- Petrochemical
- Institutional / Commercial
- Airport / Aviation
- Office / Warehouse
- Research / Laboratory
- Transportation
- Environmental
- NASA Mission Control
- Oil and Gas
- Governmental



## Who We Are

**Samuel Engineering, Inc.** is a multi-discipline, high-performance architectural and engineering company, which provides Architecture, Civil, Structural, Electrical, Instrumentation, Controls, Process, Chemical, Mechanical and Piping services to the industrial, governmental, commercial and residential sectors.

Services include, but are not limited to: Architectural Design and Construction Documentation, Feasibility Studies, Design Review, Project Controls and Scheduling, Project Management, Estimating and Field Investigation and Project Start-up Documentation.

We have over 24 experienced engineers and designers with a wide range of diverse experience. Our Engineers are registered in many states including Colorado. Key members of the engineering team have worked together for up to 14 years. Individual experience averages 20 years.



## Federal/State & City Projects:

Where our clients are required to meet small business participation goals, etc. **SE** can help with:

DBE and ESB Certified (Disadvantaged Business Enterprise and Emerging Small Business— both State of Colorado and City & County of Denver)

WOSB (Woman Owned Small Business)

SBA 8(a) Certified

SBE Certified (Both State of Colorado and City & County of Denver)

SDB (Small Disadvantaged Business)

## Keys to Our Success

- Creativity with responsibility
- Listening to our clients
- Being structured for excellence
- Profit— *but profit only from that which is honest and benefits our clients*
- Speed
- Acute attention to detail
- Effective use of technology
- Staying true to our core values
- Being structured for excellence



## Samuel Engineering, Inc.

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