



CAPABILITY STATEMENT

WOMAN-OWNED SMALL BUSINESS · WOSB / EDWOSB · CMMC LEVEL 2

Core Competencies

We work collaboratively with our clients to provide them excellence in a wide range of engineering services — utilizing chemical, mechanical, structural, and electrical engineers and technicians who are experts in their respective fields. We support our clients to solve a wide range of critical engineering problems.

GENERAL

- ◆ Front-End / Conceptual & Feasibility Studies
- ◆ Process & Facility Design (Multi-Disciplinary)
- ◆ Project Management
- ◆ Construction & Fabrication Support
- ◆ Engineering & Technical Staff Augmentation

CHEMICAL / PROCESS

- ◆ Process Information Development & Documentation
- ◆ Process & Instrumentation Diagram (P&ID) Development
- ◆ Debottlenecking & Optimization
- ◆ Process Simulation & Design Basis Development
- ◆ Operating Procedure Development
- ◆ Alarm Management & Rationalization

MECHANICAL / PROCESS

- ◆ Drafting & 3D Modeling
- ◆ Custom Equipment / Machine Design
- ◆ ASME BPVC Vessel Design & Analysis
- ◆ Materials Selection / Corrosion Engineering
- ◆ Piping, Equipment, & Instrument Specification
- ◆ Relief Device Sizing
- ◆ Piping Design, Layout, & Stress Analysis
- ◆ FAT / SAT Support
- ◆ Process Commissioning Test Plan Development

SAFETY / HAZARD ANALYSIS

- ◆ Hazard & Risk Analysis (PHA / QRA / PRA)
- ◆ LOPA & SIL Determination
- ◆ Explosive Site Safety Plan (ESSP) Development
- ◆ Integrated Safety Analysis (ISA)

MECHANICAL / FACILITY

- ◆ Utility Design
- ◆ Building Ventilation & HVAC Design
- ◆ Fire Protection System Design & Evaluation

STRUCTURAL

- ◆ Structural & Seismic Assessment
- ◆ Foundation Design
- ◆ Equipment Support & Anchorage Design
- ◆ Pipe Rack / Pipe Support Design
- ◆ Containment Structure Design
- ◆ Access Platform, Stairway, & Ladder Specification
- ◆ Industrial Building Design
- ◆ Blast-Resistant Structure Design
- ◆ Protective Construction

ELECTRICAL

- ◆ Control System & Power Design / System Integration
- ◆ Electrical Power System Studies
- ◆ Arc Flash Studies & Mitigation
- ◆ Electrical Area / Hazardous Location Classification
- ◆ Grounding, Bonding & Lightning Protection
- ◆ Fire Protection & Security Systems
- ◆ Safety Instrumented System (SIS) Design & Implementation
- ◆ Control Panel Design & Layout
- ◆ PLC & DCS Configuration

REALITY CAPTURE

- ◆ 3D Laser Scanning
- ◆ Digital Twin
- ◆ Industrial Asset Management

TRAINING

- ◆ Interactive AR/VR Training
- ◆ Training Content Development

ABOUT US

Integral Engineering Group is a woman-owned small business (WOSB) owned and managed by engineers, offering best-in-class, multi-disciplinary engineering design services to our customers.

INDUSTRIES SERVED

- ◆ Commercial Chemical
- ◆ Petrochemical
- ◆ Nuclear
- ◆ Energetics
- ◆ Manufacturing
- ◆ Specialty Chemical
- ◆ Refining
- ◆ Defense
- ◆ Energy

NAICS CODES

- 541330** Engineering Services
- 541340** Drafting Services
- 541690** Other Technical Services
- 236210** Industrial Building Construction
- 332993** Ammunition Manufacturing

VENDOR CODES & DESIGNATIONS

- | | |
|---------------------|----------------------|
| UEI | DUNS |
| FDY2YZ7NCKE3 | 116938967 |
| CAGE CODE | FACILITY CODE |
| 883M9 | 16606 |
| JCP | ITAR |
| 0088025 | M47336 |

CUSTOMERS

- ◆ BWX Technologies, Inc.
- ◆ Tennessee Valley Authority (TVA)
- ◆ BAE Systems Ordnance Systems
- ◆ National Nuclear Security Administration (NNSA)
- ◆ Arnold Engineering Development Complex
- ◆ NSWC Indian Head
- ◆ ExxonMobil Corporation
- ◆ Johnson Controls Federal Systems
- ◆ Y-12 National Security Complex
- ◆ Air Force Global Strike Command
- ◆ Holston / Radford Army Ammunition Plant



CONTACT US

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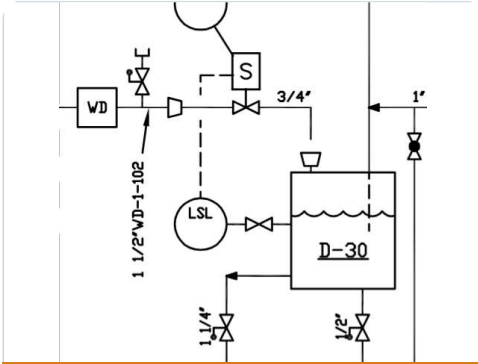
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How Can Integral Engineering Group Help YOU?

SCAN FOR
PAST PERFORMANCE



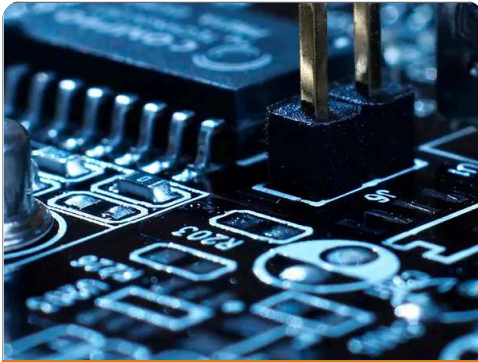
PROCESS ENGINEERING



MECHANICAL ENGINEERING



STRUCTURAL ENGINEERING



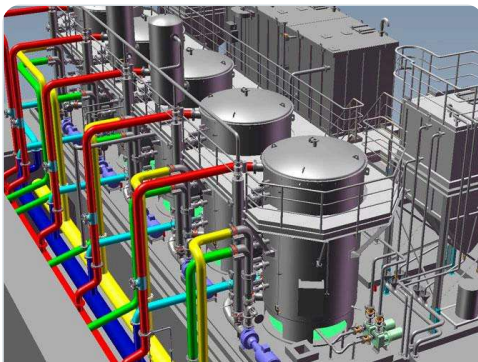
ELECTRICAL ENGINEERING



INSTRUMENTATION & CONTROLS



PIPING ENGINEERING



DRAFTING & 3D MODELING



TRAINING



REALITY CAPTURE / DIGITAL TWIN