



# Precision Engineering Contracting Services, Inc.

<http://www.pecosinc.com>

## Capabilities Statement

*Precision Engineering Contracting Services, Inc. (PECOS Inc.) is an engineering resource company providing staff augmentation, engineering, technical and professional services to government and commercial clients. PECOS Inc provides quality engineering solutions and professional services to meet the demands of our clients.*

### PECOS Inc. services:

- Mechanical Engineering
- Electrical Engineering
- Structural Engineering
- Research and Development
- Engineering / Fabrication Liaison
- Engineering Management
- Facilities Management
- Computer Aided Design
- Engineering Analysis (FEA, CFD)
- Professional / Technical Training
- Automation Design and Installation
- Staff Augmentation
- Energy Management
- Research and Development

### WHO WE ARE:

**PRECISION ENGINEERING CONTRACTING SERVICES Inc. (PECOS Inc.)** is an **8(a), SDB** company in Oak Ridge, Tennessee and a protégé of Oak Ridge National Laboratory (ORNL). PECOS Inc. was established in 1998 as an S Corporation and received 8(a) and SDB status in April of 2002. The 8(a) status will end May 2011.

DUNS number 019642680

CAGE code 1JEQ0

We qualify as a certified 8(a) under the Small Business Administration and small disadvantaged business under the NAICS codes:

- |          |          |          |          |
|----------|----------|----------|----------|
| • 332312 | • 541310 | • 541612 | • 541990 |
| • 333319 | • 541330 | • 541620 | • 561110 |
| • 423430 | • 541340 | • 541690 | • 561310 |
| • 444190 | • 541430 | • 541710 | • 561320 |

### PECOS DISTINCTIVES:

- **Customer Focus** – effective communication with clients and daily attention to meeting customer objectives and detail;
- **Quality** – employees with advanced degrees and years of successful experience in their fields;

PECOS Inc.  
Precision Engineering Contracting Services, Inc.  
1020 Commerce Park, Suite K  
Oak Ridge, TN 37830  
(865) 773-8154  
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8(a), SDB



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- **Experience** – successful completion of a variety of projects, from large-scale federal to small commercial work;
- **Integrity** – commitment to ethical business practices that show concern for client success, employee satisfaction, and community development. Ethical standards as part of the company directive.

### **PECOS CAPABILITIES:**

#### **Staff Augmentation**

- Manual Personnel
- Clerical and Technical Staffing Personnel
- Professional Temporary Staffing

#### **Mechanical Engineering**

- Multiphysics finite element analysis, (thermal, structural, vibration, electromagnetic, etc.)
- Design incorporating 3D solid modeling and 2D design utilizing updated CAD software
- Automation design and integration
- DACS – Design Analysis and Calculation Documentation
- Specification documentation
- Fabrication and design liaison
- Seismic calculations
- Vibration analysis and documentation
- Piping design
- Conceptual design and design integration
- Design optimization
- Cost analysis and budgeting
- Pro/Engineer software training and sales
- Prototyping and conceptual modeling
- Design for manufacturing

#### **Project Management**

- Facilities and Energy Management
- Project Management for complete project control from concept through fabrication.

#### **Research and Development**

- Research Grants through the Department of Energy in Mechanical design of neutron instrumentation for the Spallation Neutron Source
- Trade Studies and Research on Space Exploration Initiative for the Rockwell International
- Trade Studies for the F-22 fighter jet on alternate bulk head studies.

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