

INTRODUCTION

Theta's client list includes governmental agencies, corporations, and private companies. By meeting and exceeding their high standards, Theta has earned a reputation of providing quality services to each and every client.

Theta Technologies, Inc. (Theta) was established in 1987 to serve the federal sector marketplace and has since grown to serve a more diverse clientele including municipal and state governments, and the private sector. Located in Oak Ridge, Tennessee, Theta is a Woman-Owned Small Business with average annual revenues of under \$6.5M for the past three years. We are a technical services company specializing in engineering, design and drafting, infrastructure support services and environmental services. Theta is proud to have developed a reputation for quality and expedient solutions to diverse engineering, environmental, operations, and maintenance applications with an extremely competitive pricing structure.

Theta is headquartered in Oak Ridge and has maintained contract offices at the following locations:

- Corps of Engineers, Collinsville, MS
- Corps of Engineers, Nashville, TN
- Department of Energy, Miamisburg, OH
- Department of Energy, Piketon, OH

Theta began serving the federal government marketplace for the Department of Energy by focusing on the specialty engineering and design requirements of the nuclear materials processing facilities. In response to the needs of our clients Theta acquired the capabilities to provide infrastructure support and environmental services. To support Theta's core capabilities and to provide auxiliary services to our clients, Theta also can provide expertise in project and subcontractor management, health and safety and information technology.

Theta qualifies as a Small Business (SB) under the SB Administration NAICS code for Environmental Consulting Services and

Remediation Services. We are also currently registered with the Tennessee Governor's Office of Diversity as a Certified Woman Owned business and with the Tennessee Department of Transportation as a Woman Owned Small business.

We have also received numerous safety awards from the Department of the Army and the Department of Energy. Our corporate infrastructure and management capabilities, combined with our hands-on experience in providing similar services, provide the Government with the lowest risk on contract performance.

Current and previous clients include:

- U.S. Army
- U.S. Department of Energy
- U.S. Army Corps of Engineers
- U.S. Air Force
- U.S. Coast Guard
- Tennessee Valley Authority
- TN Department of Transportation
- TN Dept. of Env. and Conservation
- TN Dept. of Finance and Administration
- Cities of Oak Ridge and Knoxville
- Knox County
- Development Corp. of Knox County
- UT-Battelle, LLC
- Bechtel Jacobs Company, LLC
- BWX Technologies
- Lockheed Martin Energy Systems, Inc.
- United States Enrichment Corporation
- Lockheed Martin Energy Research Corp.
- Boeing - Oak Ridge
- Fluor Daniel Fernald
- Allied Signal Bendix Communications
- MK-Ferguson of Oak Ridge Company
- CH2MHill
- Scientific Ecology Group, Inc.
- Other State and Local Governments

ENGINEERING

Design engineering is the nucleus around which Theta has developed. Our experience spans all disciplines and a variety of applications.

Design engineering is the forte of Theta. Our experience in this field is diverse and spans many different areas – from the design of large multi-story industrial buildings to precision machine parts.

We have an innovative design team composed of our Engineering and Design Departments that is able to conceptualize your design requirements and develop them into working drawings.

We are staffed with engineers and consultants, many of whom have more than 20 years of experience in their respective fields. Our Engineering Department has completed over 200 projects that encompass a wide spectrum of engineering disciplines, and range in size from small tasks to major projects.

In addition to design, our engineering staff specializes in many types of engineering analyses and systems engineering support services.

DESIGN ENGINEERING

- Civil/Structural
- Mechanical
- Chemical
- Electrical
- Electronic
- Instrumentation
- Conceptual Design Reports

ENGINEERING ANALYSIS

- Stress Analysis
- Modeling/Simulation/Optimization
- Process Feasibility Studies
- Safety Analysis Reports
- Seismic Analysis
- Failure Mode Evaluation

DESIGN & DRAFTING

Our multidisciplined design and drafting staff is skilled in providing high quality, timely products to fulfill your project needs.

Theta has over ten years of design and drafting experience on more than 200 projects encompassing a diversity of disciplines and sizes.

We have been able to successfully perform and manage projects out of our home office in Oak Ridge, Tennessee and in the field.

Quality is our highest priority at Theta. Our quality control program ensures that your project will be thoroughly checked for functional application, accuracy, economy, format, and appropriate customer and conventional drafting standards.

Theta recognizes the importance of your projects and is committed, not only to quality, but

also to time constraints. We are accustomed to working to aggressive schedules for our client's projects.

Theta has a multidisciplined professional staff of designers and drafters who are proficient in AutoCad, Intergraph Microstation, Pro E and several graphics software packages. Our designers have a working knowledge of precision dimensioning and tolerancing, ANSI Y14.5 Standards and geometric tolerancing. Additionally, most personnel possess a DOE "Q" clearance. Our design and drafting staff is complemented by Theta's engineering, programming, project management, and technical support staff.

AREAS OF SERVICE

- Mechanical
- Tool Design
- Electrical
- Civil
- Architectural
- Structural
- Piping
- Instrumentation
- Packaging
- Die and Mold Design
- Machine Design
- Graphics Plant Layout

INFRASTRUCTURE SUPPORT SERVICES

Theta's Infrastructure Services personnel have extensive experience at DOE sites, other federal agency nuclear and non-nuclear sites, and commercial sites nationally. We provide our clients with the absolute assurance of continuity of operations while maintaining our commitment to a safe, quality workplace.

Theta has extensive Infrastructure Services experience that comes from DOE sites nationally, and from work performed for the Department of Defense (DoD), Corps of Engineers (COE), other federal agencies, and for private industry.

Our experience ranges from **Standard Infrastructure Services** such as grass cutting, to

Interdependent Infrastructure Services, such as surveillance and maintenance, to **Mission Critical Infrastructure Services**, such as computing and telecommunications support, that have potential for seriously impacting every site contractor and mission.

AREAS OF SERVICE

- Surveillance and Maintenance
- Janitorial
- Grounds Maintenance
- Real Property Management
- Records Management and Document Control
- Site Security
- Waste Management and Pollution Prevention
- Computer Network/Data Base Services
- Military Equipment Maintenance

O & M SUPPORT

- Procedures/Checklists
- Operations Manuals
- Equipment History Program
- Job/Task Analysis
- Work Packages and Planning
- Work Flow Analysis
- Preventive and Predictive Maintenance
- Technical and Skills Training

ENVIRONMENTAL **SERVICES**

Theta's highly qualified professionals are skilled in hydrogeologic and geotechnical investigations, site assessment, exposure assessment and remediation of various forms of subsurface contamination.

Theta personnel have a wide range of expertise and experience in the assessment and remediation of subsurface contamination problems. Theta's geologists have also conducted geotechnical investigations to assist with the planning and budgeting of construction and development projects.

Theta has been active in all levels of regulatory compliance associated with the TDEC State Remediation Program, UST closure, release investigation, exposure assessments and remediation. The integration of contaminant fate and transport expertise with the site characterization and system operation activities has led to dramatic increases in the effectiveness of many existing remediation systems. Theta has also successfully implemented a variety of insitu chemical oxidation and enhanced bioremediation technologies.

Theta's remediation services have evolved to specialize in evaluation of existing site data to develop more realistic cleanup goals and technical strategies that can meet these goals.

Theta's geotechnical services have included penetration tests, soil classification by ASTM D 2488 – 09a and other methods, overburden thickness and contouring of the water table.

Providing our clients with cost effective solutions to their regulatory compliance problems is Theta's primary goal. We recognize that top heavy management structures result in costly response to environmental problems. Therefore, Theta encourages thoughtful, deliberate action incorporating a combination of both time-tested and newly developed technologies with a staff that is tailored to the specific work type and goal of cost containment.

AREAS OF SERVICE

- Regulatory Compliance
- Hydrogeologic Investigations
- Geotechnical Investigations
- Soil and Groundwater monitoring
- Contaminant Source Removal
- Exposure / Risk Assessment
- Contaminant Fate and Transport Modeling
- Remediation System Evaluation and Modification
- Remediation System Design, Construction, permitting and Operation
- UST and AST System Management
- UST Closure
- Long-term cost-effective environmental compliance services