Statement of Capabilities

YANG ENTERPRISES, INC.
Engineering and Computer Solutions

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YANG ENTERPRISES, INC.
Engineering and Computer Solutions

Overview

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Our Mission

"To become a trusted provider of top quality engineering, logistical, facility operations and maintenance, and information technology services that create innovative, cost-effective solutions and enhance our ~~customers~~customers' ability to meet their objectives."

Mrs. Li-Woan (Lee) Yang, President/CEO

Company Profile

Yang Enterprises, Inc. (YEI) was founded as an engineering consulting firm in 1986 by Dr. Tyng-Lin (Tim) Yang. In 1993, Mrs. Li-Woan (Lee) Yang assumed management and ownership of the company. Since then, YEI has provided top quality, award-winning services and products in support of the U.S. Space Program / NASA, Department of Defense, and many Fortune 500 companies.

YEI is a high technology, woman-owned, small disadvantaged company that is financially secure, debt-free, and successful in~~l~~ meeting its business objectives. Our business focuses on Applied Engineering and Information Technology (IT) services. Our applied engineering services encompass design and analysis, environmental engineering, test and evaluation, logistics, architecture, and construction management. We provide IT solutions that include a broad range of professional services. These include the application of electronic document management systems (EDMS) and computerized maintenance management systems (CMMS), as well as the advanced products and training that support these applications.

YEI is a GSA Advantage member (GS35F-0896N) for IT services. Additionally, since 2000 we have partnered with the State of Florida Department of Management Services (973-561-010-1~~4-2~~) as a pre-approved IT services provider for delivering IT services including analysis and design, development and integration, operations and support as well as staff augmentation. We provide similar services for Miami-Dade County (ABCW0500064).

We are committed to excellence and customer satisfaction, and continuously strive to provide responsive, flexible, and cost-effective solutions that exceed expectations. We take pride in our ability to combine the highest levels of technology with best industry practices for the operations, maintenance, engineering and IT requirements of government and private industry alike.

For each project YEI becomes a partner in our customers' endeavors. By seamlessly working together, we successfully implement technical and management solutions that enable our customers to keep pace with their evolving needs and technological growth. As a result, our customers can focus on and readily achieve their primary objectives.

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Commitment to the U.S. Space Program

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As a longstanding contractor at several NASA centers, including Kennedy Space Center (KSC), Marshall Space Flight Center (MSFC), and Stennis Space Center (SSC), YEI is proud of its legacy of supporting the Space Shuttle and International Space Station (ISS) Programs.~~,~~ ~~and w~~We look forward to the future ~~in~~by supporting NASA's Constellation Program, which will take humankind back to the moon, to Mars, and ~~to the~~ beyond.

We currently perform, or have performed in the recent past, a variety of services in support of NASA, including:

- Access monitoring and control of critical flight hardware processing facilities in the KSC Space Station Processing Facility High Bay, including access to the ISS component processing area during completion and final checkout prior to launch aboard the Space Shuttle
- Flight hardware support operations including acquisition, kitting, inventory management, and control services
- Multi-disciplined architectural & engineering (A&E) services for the KSC O&C Building modernization, including pre-design assessments, engineering reports and studies, field support, and project management
- Procedure development, requirements review and implementation, task leadership, and problem resolution while supporting checkout assembly and payload processing services and the ISS at KSC
- Facilities, systems, equipment, and utilities (FSEU) services including electrical, mechanical, structural, civil, painting, and heavy equipment operations
- Logistics services including logistics engineering, logistics operations, and transportation
- Facilities operations and maintenance (O&M), including corrosion control, detail painting, carpentry, signage, roofing, metal shop, asbestos abatement, furniture moving~~es~~, bridges, elevators, cranes/rigging, heavy equipment maintenance, paved and unimproved roads, paved runway approaches, landfill operations, pest control, grounds maintenance, clean room operations, and custodial
- Development, ~~and~~ integration, and implementation of the Integrated Information Management System (IIMS), a financial and work management system for the Joint Base Operations and Support Contract (JBOSC) at KSC
- Maintenance and repair of Government-owned photographic, research, development, test and evaluation, and machine shop equipment
- Facility condition assessments on facilities to observe, record, and recommend maintenance activities to maintain reliable facility performance, using PDAs to gather data
- System engineering for electrical, mechanical HVAC, and civil/structural systems
- Implementation of a Reliability Centered Maintenance (RCM) program

Applied Engineering Services Division

Engineering

YEI was founded ~~on~~with an advanced engineering capability and has been successfully serving the aerospace, petroleum, and retail grocery industries for over 20 years. Our engineers are qualified in architectural, civil, geotechnical, electrical, mechanical, structural, and environmental disciplines, as well as cost estimating and construction. We maintain current knowledge of building codes and government requirements related to safety, security, quality, documentation, and record keeping. We routinely provide designs in both English and Spanish.

Engineering Design and Analysis

YEI staff members are skilled in providing engineering design/analysis services in the architectural, structural, civil, mechanical, geotechnical, and electrical disciplines, as well as CAD/CAE, cost estimating, and systems and sustaining engineering.

Environmental Engineering

YEI senior ~~staff have~~staff has extensive experience~~ in:~~ providing environmental assessments, permitting, asbestos abatement inspections, sampling, and monitoring; ensuring compliance with federal, state, and local regulatory agency guidelines; and monitoring working conditions at sites to ensure compliance with OSHA requirements.

Research and Technology Development

Through personal relationships, past business relationships, endowments, and affiliations, YEI is able to bring several noted, world-class, research institutions as extensions of our research and technology development capability.

Project Management

YEI project managers employ state-of-the-art tools to perform planning, monitoring, and control of all aspects of each project.

Program, Logistics, and Mission Operations

YEI key personnel have participated in various strategic planning activities for the realignment of science and engineering organizations, continuous budget planning, and performance evaluation.

Construction Management

YEI has provided bidding and construction documentation services for nearly 20 years. Our~~E~~ experience includes construction management of underground fuel systems, and retail convenience store installations in 25 countries.

Test and Evaluation

YEI is experienced in site inspection and investigation, sample collection, testing, and providing expert witnesses for condemnations. We also provide functional testing and evaluation of prototype and developmental systems, including both software and hardware.

Secure Facility Design

We are skilled in electronic security systems, CCTV, personnel access control, acoustic treatment for architectural design, HVAC duct silencers, physical security, shielded facilities, filtered power and red/black criteria, and RF filtering of power and communication circuits.

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Applied Engineering Services Division

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Operations

YEI personnel manage and perform facility and infrastructure operations and maintenance of facilities, launch structures, laboratories, and test-beds for private industry and government agencies including NASA, the U.S. Air Force, and the U.S. Army. Listed below are operations and maintenance services we perform.

- CMMS Implementation and Integration
- Reliability Centered Maintenance (RCM)
- Facility Condition Assessment (FCA)
- Preventive Maintenance Plans
- Predictive Maintenance and Inspection
- Annual/Five-Year Work Plans
- Maintenance Procedures
- O&M Documentation Management
- Work Management and Scheduling
- Disaster Plans and Support
- Systems Engineering
- Facility/System Modification Design
- Pre-Operation Facility Checkout
- Logistics
- Flight Hardware Support
- Real Property Mangement~~Reporting~~
- Procurement
- Service System Parts and Supply Inventory
- Operational Training
- Safety Walkdowns
- Vehicle/Equipment Management
- Access Control and Monitoring
- Call Center/Help Desk Operations
- Heavy Equipment Operations
- Engineering Support for On-Site Troubleshooting
- Operations and Maintenance
- Equipment Maintenance and Repair
- Bridge Operations
- Roads and Grounds Maintenance
- Infrastructure Maintenance
- Refuse Removal
- Landfill Operations
- Pest Control
- Clean Room Operations
- Custodial
- Laundry/Towel Service
- Corrosion Control

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Technical Services Division

Professional Services and Consulting

From commercial management support systems to real-time space and defense command and control, we provide staff, tools, laboratories, and an eclectic selection of the best commercial-off-the-shelf (COTS) products of current technology. YEI can develop and implement turnkey solutions or provide discrete phased services including verification and validation reviews.

Integration Services

YEI is a One-Stop-Shop for the full spectrum of integration services, from assessment through design, implementation, and training. With our experienced professional staff, we can assure the timely implementation and operational support necessary to meet your goals and objectives.

- Systems Engineering
  - Site Assessment and Analysis
  - Strategic Planning
- Software Engineering
  - Project Management
  - Conceptual Design
  - Functional Requirements Development
  - Software Development
- Implementation
  - Installation and Setup
  - Customization
  - System Administration
  - Integration and Testing
  - Training
  - Application Roll-Out
  - Post Implementation and Maintenance
- Technical Support / Software Maintenance
  - Tiered Help Desk
  - On-Site Support

Seat Management

YEI's seat management program provides key support functions that are consolidated and priced per user/seat, effectively managing distribution of any~~your~~ computing environment with defined services at a reasonable and predictable cost. Our seat management program standardizes hardware and software configuration and provides tools for remote monitoring and problem resolution by our highly trained, well-equipped on-site support staff.

Each implementation can include a mix of the following features:

- Hardware Leasing / Software Procurement
- Installation, Configuration, and Activation
- Onsite Software Support
- Break-Fix Support
- Electronic Software Distribution
- Asset Management
- Help Desk
- Server Management
- System Administration
- Technology Refreshment

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Technical Services Division

Enterprise Applications

YEI integrates CMMS, EDMS, and GIS technology products. We are an IBM partner for the MAXIMO CMMS and a partner with Ceyoniq, Inc., for Document Imaging and Management.

Computerized Maintenance Management System (CMMS)

YEI has extensive MAXIMO CMMS integration experience at Kennedy Space Center for Space Gateway Support, United Space Alliance, and The Boeing Company as well as at Cape Canaveral Air Force Station for Space Coast Launch Services~~,~~. We~~where we~~ perform site assessment, specification, system and database design, systems migration, application development, report development, testing, system enhancements, procedures development, help desk, and product upgrades.

Electronic Document Management System (EDMS)

YEI provides software and professional services for the purchase, design, and development of enterprise-wide EDMS solutions that electronically catalog, store, manage, assemble, and route documents.

Information Technology Laboratory

YEI maintains an Information Technology Laboratory that is used to validate different IT solutions and to simulate each of our customer~~'ss~~' specific functional environments. The Lab's primary purpose is to prototype opportunities for new technologies that will enhance system performance, function, and efficiencies, and from which YEI can provide beneficial recommendations to our customers.

Information Systems

YEI software engineers produce and support information systems built on .NET Framework, Java, ASP, Visual Basic, Oracle, SQL Server, and CORBA.

Outsourcing

YEI provides consulting in applications development, data structures and strategy, quality assurance, technology research, client technologies, customer support, network management, Internet planning, engineering and operations, enterprise resource planning, telecommunications, electronic commerce business intelligence systems, and e-commerce.

Simulation & Modeling

YEI personnel have extensive education and experience in real-time and analytical simulation and modeling.

Technical Support

YEI customers are guaranteed timely response to their needs through our technical help desk operation and on-site support capabilities.

Web Services

YEI provides secure global access to documents and engineering drawings on our corporate web site.

Real-Time Control Systems

With roots in the development of the Space Shuttle's launch control system and experience on the Checkout Launch and Control System contract at Kennedy Space Center, YEI has expertise in missions supporting computerized remote control and monitoring systems.

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Technical Services Division

Communications

YEI implements and supports voice, data, and video communications hardware and software.

Project Management

We provide a proven system methodology and the project management expertise to manage both large complex projects and ad-hoc prototype developments.

Instructor-Led Training

YEI delivers instructor-led technical courses in our world-class learning facility and on customer sites. We are expert in the entire range of educational services including: custom training needs analyses, course design, instructional materials development, training delivery, testing and proficiency assessment, and remediation.

YEI provides instructor-led courses to NASA, U.S. Air Force, and contractor personnel at Kennedy Space Center and Cape Canaveral Air Force Station. This training concentrates on information technologies involving workflow management, asset management, purchasing/acquisition, and a variety of miscellaneous applications.

YEI also provides a wide range of instructor-led training to our commercial customers. A major element of this effort has been the on-site training of ExxonMobil engineering and contractor personnel in the use and application of YEI-developed design packages. We have designed and developed courses for users and administrators of our software products.

Computer-Based Training

YEI designs and delivers an array of computer-based training products. Our online tutorials and context-sensitive help features have been tightly coupled with our information technology products to provide quick start and assimilation as needed to maximize the utility of our products. Our professional multimedia capabilities permit the integration of audio, video, animation, pictures, graphics, text, and other media to maximize learning in a stand-alone training environment.

Training Systems/Simulators

YEI's senior staff has extensive education and experience in the development of training systems and simulators.

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Technical Services Division

Advanced Products

YEI ~~develops~~creates strategic benefits for our customers by developing, integrating, and supporting~~es, and supports~~ advanced hardware and software products from companies such as IBM, JVC, and Ceyoniq, Inc. ~~that are of strategic benefit to our customers.~~ We routinely conduct research, analyses, development, and certification testing of all software and hardware products prior to implementing them in the real world.~~bringing them to market.~~

MAXIMO Enterprise

YEI maintains a close partnership with IBM, the vendor of MAXIMO Enterprise, which is the most flexible, advanced, and popular asset management solution available for the maintenance of facilities, fleets, and infrastructure.

VorTex

VorTex is a YEI-designed, full-featured electronic document management system tool designed for small to medium business enterprises.

Ceyoniq EDMS

The Ceyoniq EDMS is the world's leading electronic document management system engine, providing document capture, indexing, storage, retrieval, and reproduction.

Ceyoniq Process Manager Workflow

Ceyoniq Process Manager Workflow is a rules-based process automation system that manages complex business processes.

Ascent Capture OCR/ICR

Ascent Capture automatically identifies forms and recognizes handwriting (ICR), machine print (OCR), check marks (OMR) and bar codes to extract even the toughest data from scanned images without missing a beat.

ARCHIVExtender

ARCHIVExtender virtualizes secondary optical storage devices to provide transparency between the operating system and the physical storage solution.

CD ROM Library Systems

YEI is a partner/distributor for JVC, the manufacturer of superior quality High Capacity Digital Data Storage Systems.

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YANG ENTERPRISES, INC.
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Accolades

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Our Major Customers

YEI has a demonstrated~~'s~~ history of ~~has demonstrated that we~~ completinge work tasks on time and within budget~~, requirements,~~ conforming to contract documents~~,~~ and institutional requirements, and delivering proper documentation accurately and timely for all our projects. An indication of the quality of our services and the satisfaction of our customers is the repeat business we receive. Our outstanding track record and list of satisfied customers substantiate our degree of commitment. A sampling of our satisfied customers includes:

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Government	Commercial
Kennedy Space Center URS (EG&G Technical Services, Inc.) Space Gateway Support (SGS) The Boeing Company United Space Alliance (USA) I-Net, Inc./Wang Labs Rockwell International Corporation	Total Petroleum ExxonMobil USA ExxonMobil Inter-America, Inc. Publix Super Markets, Inc. BJ's Wholesale Club Shell Oil Products Company
Marshall Space Flight Center URS (EG&G Technical Services, Inc)	McDonald's Corporation Amoco Corporation
Cape Canaveral Air Force Station Space Coast Launch Services (SCLS)	Chevron, USA Star Enterprises
Bay Pines VA Medical Center	Walt Disney World Company
U.S. Department. of Housing & Urban Development Boston Housing Authority	20th Century Fox ICF Kaiser CSX/TDSI
State of Florida Department of Children and Families Agency for Health Care Administration Department of Transportation Department of Management Services	AMEC 3M National Advertising Company

Accolades

Our Awards

YEI is committed to delivering high quality products and services at a superior value. Our attention to quality coupled with our timely, cost-effective performance has drawn recognition from our customers and partners as well as from government agencies. In addition to the numerous individual awards our employees received for safety, quality, and performance, President/CEO Li-Woan Yang and the company's accolades include:

- KSC Small Business Subcontractor of the Year – 2008
- Boeing Space Exploration, Exceptional Company Performance Award (a Space Flight Awareness award) for performance on the Checkout, Assembly, and Payload Processing Services (CAPPS) contract at KSC
- Boeing Performance Excellence Award – Gold Level - 2009
- An average of 57 awards and recognitions per year for excellent performance during the past 10 years on the Joint Base Operations Support Contract (JBOSC) at Kennedy Space Center (KSC), Cape Canaveral Air Force Station (CCAFS), and Patrick Air Force Base (PAFB)
- OSHA Voluntary Protection Program (VPP) Star Award on JBOSC at KSC, CCAFS, PAFB
- Spaceflight Awareness Award and Silver Snoopy Award to YEI personnel on Center Operations Support Services and Logistics Services Contracts at Marshall Space Flight Center – *awarded to less than 1% of the workforce annually*
- Letter of Appreciation and Environmental Awareness Award from Space Gateway Support for Initiative in Reducing Frequency and Severity of Spills and Releases from Lawn Mowers on the JBOSC at KSC, CCAFS, and PAFB
- U.S. Small Business Administration Entrepreneurial Success of the Year for the North Florida District Office and State of Florida
- U.S. Small Business Administration Minority Small Business Person of the Year for the North Florida District
- Certificate of Appreciation from United Space Alliance (USA) for Successful Implementation of the MAXIMO Computerized Maintenance Management System (CMMS) in the Ground Support Systems Organization at KSC
- Letter of Appreciation from Space Gateway Support for Exemplary Work Performed in Advancing the Introduction of Release-1 of the Management Information System (MIS) for the JBOSC at KSC, CCAFS, and PAFB
- KSC Woman-Owned Small Business Subcontractor of the Year

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