



Allen Shafii, ASME, ANS, PMI, LCS, has over 24 years of diverse experience in design and construction services. His experience includes performance and supervision of a wide range of industrial and commercial design, engineering, and construction projects for government, institutions, and private/commercial clients, both nationally and internationally. Much of his work has been done at work/project sites so he has firsthand familiarity with construction methods as it relates to a wide variety of trades. Mr. Shafii's in-depth knowledge of design and construction issues is coupled with a solid economic and business background. He offers a focused understanding of trouble shooting site conditions and ensuring client's and stakeholders' satisfaction. Experienced in financial analysis and strategy formulation for acquisitions, mergers and joint ventures including asset management and optimization, Mr. Shafii brings additional value through his insights in project guidance.

Education Master in Business Administration, Suffolk University, Boston MA,
Summa Cum Laude, 2000,
Beta Gamma Sigma National Honor Society

Master of Science, Nuclear Engineering,
University of Washington 1983

Bachelor of Science, Nuclear Engineering,
University of Washington 1981

Professional Affiliation Licensed Construction Supervisor, Unrestricted # CS 094709
American Society of Mechanical Engineers
American Nuclear Society
Project Management Institute (PMI) Certification
LEED AP

SCI.X Science Studio, LLC, is a young firm with 2009 being its 1st year in business. The experience, however, of the Principals and staff goes back much farther. This is a representative selection of some of Mr. Shafii's work at BBIX, prior to founding SCI.X Science Studio, LLC.

Due to his diversified experience in nuclear engineering, he has developed hands-on knowledge of safety systems and probabilistic safety analysis that support operation of complex systems. He has managed all phases of multi-disciplinary projects, including planning, scheduling, design, construction, installation, testing, and commissioning. His experience includes performance and supervision of a variety of engineering projects such as Design Basis Documentation, Design Basis Validation, Configuration Management, Environmental Qualification (EQ), Life Cycle Management, Systems Engineering, Materials Management, SSFI Studies, Thermal-Hydraulic Analyses, Fire Protection, etc. The projects listed below have been overseen by Mr. Shafii at BBIX, LLC as PIC and PM.

Department of Defense: Natick Soldier Systems - Climatic Chambers, Natick, MA

The Climatic Chambers consist of 2 chambers (arctic and tropic) that can produce various combinations of wind, temperature, and humidity conditions ranging from -70°F to 180°F used for the testing of materials used by US Forces worldwide. The chambers' boiler systems, refrigeration system, and control systems were modified to meet the new military program requirements.

Department of Defense: Field Medical Training Facility

This project included the design and construction of 18 facilities to be used for the training of field medical personnel for the air force. The scope of the project included design and construction of specialized facilities including six full scale B-767 and C-130 aircraft mock-ups on a 68 acre site.

Department of Veterans Affairs: Supply, Processing, and Distribution Facility

The scope of work included the design and construction of a new Supply, Processing, and Distribution Building (SPD) Addition which is used for the cleaning, disinfection, sterilization, and storage of medical equipment used at the Brockton, VA Medical Center. This center provides medical and hospitalization services to over \$1.5M veterans a year.

Department of Energy, Savannah River Site

The scope of the project applied to analysis and design reconstitution (reverse engineering) of various systems and components for the K-Reactor. This reactor was used in production of Plutonium for the US government during the 50's through the 80's.

Entergy Operations Northeast, Indian Point Nuclear Power Plant

The scope of work included a five year design upgrade to over sixty plant systems. The purpose of the upgrades was compliance with regulatory requirements and extension of plant life beyond the initial license of 40 years.

Jacob Javits Federal Office Building, Annex, & Court of International Trade, NY, NY

Full A/E design and CA services were provided for \$5.88 M renovations for General Services Administration for public areas on 41 floors of the Jacob Javitz Federal Office Building, the Annex, and Court of International Trade in New York City. Significant security requirements and restrictions were observed. In addition, considerable scheduling, planning, and phasing requirements had to be accommodated.

Navy Transportation Center Building 567, Philadelphia Naval Shipyard, Philadelphia, PA

Full A/E services design for a new HVAC System for a Shipyard Command Building (No. 86) at the Portsmouth Naval Shipyard. The Building is on the National Historic Register and houses the Naval Treaty Room Museum. The design of the HVAC system applies to 120,000 square feet of occupied space that was required to remain in operation throughout the process of construction. Significant security restrictions and escort requirements had to be observed.

Building 330 DOIM at Fort Polk, LA

HVAC Upgrades for the Directorate of Information Management Building 330 (40,000 SF) at Fort Polk, LA. The scope of the work included the design and construction of new HVAC Upgrade for the Directorate of Information Management Building 330 at Fort Polk, LA. This facility houses data centers for various agencies that require to be operational 24/7.

Building 8466 at Fort Polk, LA

This scope of work includes the design and construction of an existing 40,000 SF facility. The existing building was completely gutted out to accommodate a state-of-the-art training facility. The building accommodates two standalone data centers with complex and redundant HVAC requirements. This project was a design-build effort with MCC Construction.

GSA Public Building Service Headquarters, Boston MA

This was a multi-storey renovation project for the GSA PBS Headquarters in the Tip O'Neill building. Renovation included the 6th floor data center which housed the GSA Region 1 data and communication equipment.

Alexandria Bay US Border Crossing

Project executed for General Services Administration and included construction management and project supervision for the installation of RFID (Radio Frequency Identification Devices) enabled gantry at the Alexandria Bay US Border Crossing. The gantry was installed to facilitate the movement of goods through the border crossing via trucks originating from verified Canadian logistics centers. The RFID Gantries are scheduled to be installed at all US/Canada border crossing.

R&L Carriers New Transportation and Logistics Support Center

This scope of work includes the design and construction of a new 125,000 square foot distribution and logistics warehouse terminal, 5-bay maintenance facility, and 4-lane fuel service station for R&L Carriers in Pittston, PA. The total construction cost is \$20.5 million. The facility is expected to service the northeast PA with over 200 truck delivery loads/unloads per day.

Border Patrol Stations, Department of Homeland Security

Department of Labor's Grafton Red Rock Corps Site, Lopez, PA

Design and construction of two New Dormitories totaling 85,000 SF. A/E Services for the design and construction administration of two new dormitory buildings (310 beds) to be constructed at the Red Rock Job Corps Center. The site conditions at the Red Rock Center is exceptionally difficult for construction. The building had to be designed to address the remoteness of the site, shortage of skilled labor in addition to being designed to address extreme of weather conditions.

New Automotive Vocational Building, Department of Labor, Vergennes, VT

Full Design and CA services provided for 6,000 SF new Automotive Vocational School at the Northlands Job Corps Center. The MEP design included the design of an energy efficient lighting system, water conserving faucets, DDC system for HVAC, and industrial ventilation/exhaust systems.

ALLEN SHAFII

PRINCIPAL

New Cafeteria Building, Dept of Labor Job Corps Site, Grafton, MA

A design/build project for a new \$2.7M, 12,000 SF Cafeteria based on the new DOL conceptual prototype. This Cafeteria was the first of this prototype to be constructed. The work included all utility services, roads, access paths, landscaping and other site work. Project was completed within firm budget and schedule.

Robbins Hall, Bard College, Annandale-on-Hudson, NY

The scope of work included the architectural and interior design of Robbins Hall dormitory building (300 rooms) for Bard College in NY. LEED Silver.

Naval Support Activity Center, Mechanicsburg, PA

Red Rock Air Force Base, Lopez, PA

The project entailed the site upgrade of the existing overhead 12,470/7,200V primary distribution system throughout the Red Rock Job Corps Center. The intent of this program was to replace and upgrade the existing system including primary lines, power poles, transformers, service drops and disconnects necessary to maintain the current operations and services to the Center and for the PY2003 Dormitory construction program.

Tilbury Fire Department, Naticoke, PA

Full A/E services for a renovations at the Tibury Fire Department under s USDA Grant. Scope included the upgrade of the Apparatus Bay and the addition of an Emergency Response Center complete with communications systems and a redundant emergency power system. The scope of work also included modifications to the building for ADA compliance, plumbing system upgrades and site improvements/upgrades.

New Food Services Building, Dept of Labor, Keystone Job Corps Center Drums, PA

Design and CA of a new \$5.1M, 18,000 SF Cafeteria based on the DOL conceptual prototype using BIM technology. The work also includes all utility services, roads, access paths, landscaping and other site work. LEED Silver.

Education Building, Department of Labor Job Corps Site, Grafton, MA

Hanscom AFB Bldg 1604 Acquisition Management Building, Concord, MA (LEED Silver)

New Visitor Center, Dept of Labor, Keystone Job Corps Center Drums, PA (LEED Silver)

Northeast Pain Management Center, Plains, PA

Full design and CA services provided for a new 3,000 SF class 'B' surgery suite with step down and recovery units, clean and soiled linen areas, medical gas storage room, special laundry and an emergency generator room.

Endless Mountain Health Care, Montrose, PA

6,000 SF renovation of a new Imaging Department and Emergency Room within the existing hospital building. All Pennsylvania Department of Health and Labor and Industry compliance issues were addressed and resolved to meet regulatory requirements.

(Former) Nanticoke State Hospital, Nanticoke, PA

Renovation of the Third Floor Wing

Health Occupation Building, Department of Labor, Grafton, MA

\$2.4M, 21,000 SF renovation for a National Historic Building constructed in 1905, unoccupied for 40 years. Extensive water damage, asbestos and hazardous material abatement were addressed and construction was completed 3 months ahead of schedule and on-budget.

New Renaissance Surgery Center, Shavertown, PA

A/E, Design and CA services provided for new 5,000 SF Department of Health Approved, Class C Surgery Suite. Scope included construction phasing which allowed the clinic to remain operational during throughout construction. Project was completed within strict and budget and schedule

VA Hospital, Wilkes-Barre, PA

The scope of work included the design and CA for renovating 3rd and 5th floors of the VA Hospital. Services included Architectural, Interior Design, HVAC, Plumbing, Fire Protection, Electrical, and Environmental engineering. West "Smart" Conference Room, (2) Tele-exam rooms, a 2000 square foot Telemedicine room.

Veteran Affairs Outpatient Clinic, Charlotte, NC

This scope of work includes the design and construction of a new 70,000 square foot medical clinic which includes Pharmacy Department, Psychology Clinic, Surgery Suites, Physical Therapy Clinic, Radiology and Imaging Clinic, Laboratory and Pathology Facilities, Vending/Food Services, and an Emergency/Ambulatory clinic for the Department of Veteran's Affairs