



Our History

Sebench Engineering, Inc. (See-Bench) is a Service-Disabled Veteran-Owned Small Business (SDVOSB) that has provided fire protection engineering and design services to clients in a wide variety of industries since 2007. As a full-service fire protection engineering firm, Sebench offers design of fire suppression, detection, and alarm systems, building and life safety code analysis, water supply analysis, hazard assessments, project reviews, and project management. We have functioned in various roles on contracts, including serving as the prime contractor for single discipline design and non-design services, and as a specialty subconsultant to construction contractors and architectural and engineering (A-E) firms on larger multi-discipline efforts, including design-bid-build, design-build (D-B), and construction manager at-risk project delivery methods.

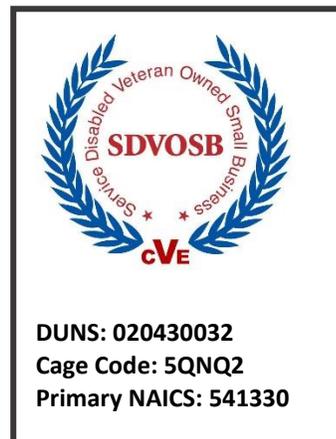
Sebench's first client was U.S. Steel, and since then the firm has grown to a network of over 30 fire protection professionals offering the full range of fire protection engineering services. More recently, the firm expanded into federal markets and has a growing list of A-E firm and construction contractor partners, performing work for the Department of Defense (DoD) and agencies including US Navy, US Air Force, and US Army Corps of Engineers. Sebench received CVE verification as a service-disabled veteran-owned small business in 2013 and has steadily worked to increase our presence in the SDVOSB community.

Our Leadership

Our exclusive focus on fire protection engineering means that we can provide you with a full range of fire protection engineering design and consulting services at the VA hospitals and medical facilities. In the evaluation of complex facilities, such as hospitals, we are skilled at evaluating both deficiencies and the most cost-effective means to correct them. Among our employees you will find advanced degrees including Master's in Fire Protection Engineering, certifications including Certified Fire Protection Specialist and NICET, and professional affiliations including the Society of Fire Protection Engineers and National Fire Protection Association. Our leadership brings significant management experience and technical expertise to the Government.



Mr. Michael Swahn, PE, MBA, Principal in Charge and President of Sebench. After leaving the US Marine Corps and earning a degree in engineering, he spent 15 years working in the insurance industry conducting fire risk assessments before starting Sebench Engineering. Mr. Swahn runs business operations at Sebench and has successfully managed contracts on time and within budget for multiple projects. The total construction value of fire protection work he has overseen exceeds \$300 million, including projects not only for the Military but also for large industrial clients such as BP, Dow and U.S. Steel. He specializes in loss control, cost benefit analysis, and conceptual design. He assumes an active role in maintaining a high standard for all Sebench work products and is a registered Fire Protection Engineer in PA and GA.



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Innovative Fire Protection Services



Federal Experience

Sebench has been engaged in design-build construction projects in DoD facilities, including medical support facilities, since 2012. Task orders have been completed at various locations throughout the country, including Portsmouth Naval Medical Center, VA; Fort Sam Houston, TX; Red River Army Depot, TX; Fort Rucker, AL; Fort Huachuca, AZ; Tripler Army Medical Center, HI, Fort Myer, VA, Fort Stewart, GA; Fort Benning, GA; Buckley AFB, CO; McConnell AFB, KS; and Fort Shafter, HI. Some key showcase projects that Sebench has provided fire protection services for are highlighted below.

Comprehensive services include:

- ✓ Complete Fire Protection Design and Commissioning for new construction and upgrades: Suppression, Detection, Notification
- ✓ Facility Life Safety and Fire Protection Surveys
- ✓ Project Management: on-site supervision for fire protection installations
- ✓ Project estimating: +/-15% estimates
- ✓ Bid Management: issue bid documents and specs, interview prospective contractors, provide guidance on bid award
- ✓ Third Party Reviews: a final check on any contractor's plans for fire protection
- ✓ Alternative Design: work with AHJ for approvals for unusual applications or variances
- ✓ Special Hazard Assessment
- ✓ Building and Fire Code Consulting
- ✓ Commissioning
- ✓ Post-fire Fire Protection Engineering Analysis and Expert Testimony

U.S. Army Reserve, Nationwide. Sebench personnel are overseeing the fire protection needs for almost all US Army Reserve facilities across the continental US and Puerto Rico. Items under our supervision include fire alarm systems, mass notification systems, automatic fire sprinkler systems, high expansion foam systems, fire extinguishers, and kitchen hood systems. The different types of facilities throughout this vast geographical region create unique challenges. Facility types may include: Army Reserve Centers, Office Buildings, Warehouses, Equipment Repair Shops, Flammable Liquids Storage, and Aircraft Hangers. Current projects include oversight of the testing and maintenance programs, reviewing the design of new facilities, creating a plan for upgrades to existing facilities, and rewriting the standard fire protection specifications to best serve the needs of the Army Reserve.

Tripler Army Medical Center, HI (USACE) *Medical Center Building 143* – Fire protection engineering services for the renovation of the building, including generation of design documents for the installation of a new fire suppression system and fire alarm/mass notification system, as well as assistance in obtaining USACE approval, shop drawing review, and inspection of installed systems.

Fort Myer, VA (USACE) *Veterinary Clinic*– Sebench provided fire protection services for the renovation of the clinic. Performed hydrant flow testing, survey of existing conditions, design documents for installation of a new fire suppression system, shop drawing review, and certification of all 100% design documents for inclusion of applicable fire and life safety criteria.

The service provided is always of highest professionalism and integrity...

Dale Trudeau/Project Manager/SSOE, Inc.