Burdette, Koehler, Murphy & Associates, Inc.

Mechanical & Electrical Engineers

NAICS: 541330, Small Business

Burdette, Koehler, Murphy & Associates Inc. (BKM) is an engineering firm headquartered in Baltimore, Maryland, that designs mechanical, electrical, and plumbing solutions to further our clients' missions.

Collaboration is at our core.

With collaboration at our core and an over 58 year legacy of responding to our clients' needs, we design MEP solutions that harmonize with their surroundings and further our clients' missions.

We're engineers who listen.

Our people make BKM the company it is. We're a dedicated team of creative people who genuinely enjoy each other and solving problems together. Most of all, we love turning challenges into smart, practical designs that allow our clients to do their best work.

We work to enhance the everyday.

Buildings are living spaces. At BKM, we respond to our clients' needs with mechanical, electrical, and plumbing solutions designed to support everyday life.

Every project is a partnership.

In our 58 years, collaboration has been crucial to helping our clients succeed. That's why our team brings openness, responsiveness, and a transparent design process to every project.

106
professional and technical staff

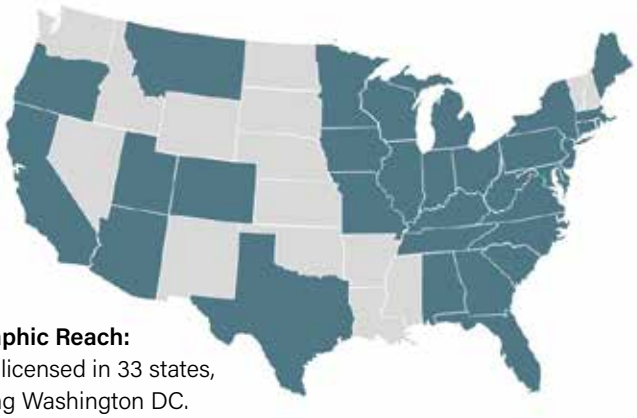
58
years of excellence

70%
MEP prime work allocation

<1%
MEP prime change orders

81%
work from repeat clients

43
professional engineers



Geographic Reach:
BKM is licensed in 33 states, including Washington DC.

CAGE CODE 1BJF0
UEI GKK6JE2LNQK5

LOCATIONS

Headquarters
Baltimore, Maryland
6300 Blair Hill Lane, Suite 400
Baltimore, MD 21209

Norfolk, Virginia
400 Granby Street, Suite 200
Norfolk, VA 23510

MARKET SECTORS

- Commerical
- Higher Education
- K-12 Education
- Government
- Housing
- Mission Critical
- Healthcare
- Infrastructure
- Science and Technology

ACTIVE MENTOR PROTEGE

BKM-PRIME AE SB-JV, LLC
NAICS: 541330
Cage Code: 9CFY8
UEI: NDLQWZF6Z1E8

SBA U.S. Small Business Administration

CONTACTS

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CAPABILITIES

Mechanical Engineering
We tailor our mechanical design to meet the requirements of every project with a focus on indoor environmental quality, efficiency, maintainability, and flexibility. Our engineers recommend systems that will best serve the function of the space and provide the best possible environment for its occupants.

Electrical Engineering
We understand the complexity of power systems and the responsibility owners face to provide service to a large number of users. Maintainability and energy efficiency are key aspects to our electrical system designs. Our engineers design safe, reliable, and efficient power distribution systems.

Special Systems Design
Our designers provide a variety a services to fit our clients low voltage needs, including AV/IT and security systems.

Lighting Design
Lighting design is an essential system merging science and art, engineering and architecture, functionality and aesthetics. Proper lighting design strikes a careful balance between the artistic vision of a space and the comfort, safety, and aspirations of its occupants. BKM is dedicated to providing an attractive and streamlined lighting design that is fully coordinated, sustainable, and economically attainable for our clients.

Plumbing Engineering
Our engineers are well versed in plumbing and piping design allowing clients to rest easy in knowing we are looking out for their best interests. As with all other systems, plumbing must suit the client's objectives for sustainability, user convenience, cost constraints, and space limitations.

Building Assessments
Because of our thorough understanding of how the MEP systems are interrelated and how they affect decisions in other disciplines, our approach is inherently holistic. We can quickly recognize the positive and negative impacts of various decisions, work through possibilities, clarify client vision, and make it a reality.

CFD Modeling
CFD is an essential part of the design process for critical spaces, and allows us to optimize the design of a space by evaluating space configuration, airflow distribution, operating conditions, and energy consumption. We work with our clients to produce a design that is energy and cost effective while ensuring that the design can maintain the desired space setpoints.

Design-Build Project Support
Our engineers are experienced in the preparation of RFP documents including the owner's project requirements for issuance in design-build solicitations, as well as support as engineer of record on the design-build team from design through construction. We are fully versed in the Design-Build Institute of America (DBIA®) Design-Build Best Practices and have DBIA certified staff.

Energy Modeling
BKM offers whole building energy analysis to satisfy the needs of building owners in an increasingly energy cost-conscientious market. Building energy analysis plays a crucial role in the earliest stages of design, informing the building owner and design team of the true impact and value gained by various siting, envelope, and MEP systems design strategies. Services can be provided to address the requirements of LEED, IgCC, building life cycle cost analysis, building energy code compliance, and utility incentives and rebates.

Power System Studies
We understand the importance of electrical safety, maintenance, reliability, and asset protection within your facility. That's why we've placed an emphasis on our power systems studies program. Our Power System Engineers specialize in load flow, fault current, coordination, protection, and arc flash studies. Our goal is to minimize down time while maximizing protection of assets and personnel.

Commissioning
BKM's commissioning process ensures the owner receives the full benefit of their building systems, which are comprised of inter-related automation systems to maximize energy efficiency and occupant comfort. Our goal is to provide the building manager with the training and experience to monitor the facility and also be comfortable to modify the components to align with the occupant's changing needs throughout the building's life-cycle.

Construction Contract Administration
PICs, PMs, and lead Design Engineers remain involved to ensure that submitted products and materials meet the specification and design intent. For highly technical projects, or when requested by the client, the Design Engineer is the primary contact throughout construction, attending progress meetings and performing site observations. Even with the design engineers remaining the main points of contact during construction, we utilize our CA staff for their extensive field knowledge during design and CA. Projects that are not as technical and where the CA budget for design is more modest, we can provide a more cost-effective approach having our CA representatives manage during construction.

Sustainable Design
Sustainability is a core belief at BKM. WWe believe sustainable design requires a commitment to integrated design that emphasizes the involvement of all stakeholders from the beginning of the design process. The opportunities for affordable sustainability are greatest at the project start and decrease significantly as the design progresses. BKM takes a collaborative approach to sustainable design. We are proactive in expressing our ideas to other team members and are always ready to listen to suggestions for improvement. This approach allows for optimum integration of engineering systems with the building's architecture.

Current Prime Federal Contracts

- Department of Energy: Architect and Engineering (A-E) Services in support of the Department of Energy (DOE) Headquarters facilities located at Forrestal in Washington, D.C. and Germantown, Maryland.
- US Environmental Protection Agency: Indefinite Delivery, Indefinite Quantity (IDIQ) Contract for Architect-Engineer Services for Regions 1 - 4
- U.S. Army Corps of Engineers Huntsville District: Veteran Affairs Architect & Engineering Services (VAAES) IDC
- U.S. Army Corps of Engineers Baltimore District: Multi-discipline Architect/Engineering (A/E) Services MATOC*
- AFCEC: MATOC IDIQ for AE Title I, Title II and other AE Services primarily for Dormitory Facilities (AE24DORMS).*
- Army Mission and Installation Contracting Command: MICC-Ft. Campbell: Architect and Engineering (A&E) Services in support of the United States Army Enterprise Solution within the Northeast Region of the continental United States (CONUS)*
- NAVFAC Washington: IDIQ for Mechanical, Electrical, Plumbing and Fire Protection (MEF-FP) Architect-Engineering Services at Various Washington AOR Locations*
- NIST: Mechanical/Electrical/Plumbing (MEP) Architectural & Engineering (AE) Indefinite Delivery/Indefinite Quantity (IDIQ) Contract

*Awarded to Mentor Protege: BKM PRIME AE SB JV, LLC

Federal Government Experience

- US Army Corps of Engineers, Baltimore District
- US Army Corps of Engineers, Huntsville District
- US Army Corps of Engineers, Norfolk District
- US Centers for Disease Control and Prevention
- US Department of Commerce
- US Department of Defense
- US Department of Health and Human Services
- US Department of Veteran Affairs (Various VAMC)
- US Environmental Protection Agency
- US National Aeronautics and Space Administration
- US National Institute of Health
- US National Institute of Standards and Technology
- US National Oceanographic and Atmospheric Administration
- US National Park Service