



Burdette, Koehler, Murphy & Associates, Inc.

Mechanical/Electrical Engineers
NAICS: 541330, Small Business

Burdette, Koehler, Murphy & Associates Inc. (BKM) is a full-service engineering firm that designs mechanical, electrical, and plumbing solutions to further our clients' missions. With an over 57 year legacy of responding to our clients' needs and collaboration at our core, we develop solutions that harmonize with their surroundings and stay reliable in use.

Based in Baltimore, Maryland, our team of 116 professional and technical staff includes 41 registered engineers, 20 EITs, and 22 LEED Accredited Professionals. Our engineers have extensive experience across education, government, healthcare, science & technology, commercial, and mission critical sectors, and are deeply knowledgeable of the codes and regulations our work must satisfy.

Collaboration is at our core.

With collaboration at our core and an over 57 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.

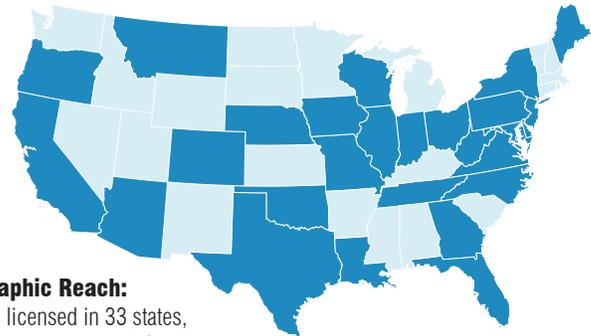
We work to enhance the everyday.

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.

When BKM was founded on April 1, 1968, three Baltimoreans realized their idea of creating an engineering firm where collaboration, transparency, and responsiveness produced better MEP designs.

In our 57 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.



Geographic Reach:

BKM is licensed in 33 states, including Washington DC.

Fast Facts

CAGE CODE	1BJF0
UEI	GKK6JE2LNQK5
ADDRESSES	
<u>Baltimore Headquarters</u> 6300 Blair Hill Lane, Suite 400 Baltimore, MD 21209	<u>Norfolk, VA</u> 400 Granby Street, Suite 200 Norfolk, VA 23510
MARKET SECTORS	
Government Higher Education K-12 Commercial	Healthcare Science & Technology Mission Critical Utility
ACTIVE MENTOR PROTEGE	
BKM PRIME AE SB JV, LLC NAICS: 541330 Cage Code: 9CFY8 UEI: NDLQWZF6Z1E8	
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54%
MEP PRIME WORK ALLOCATION

<1%
MEP PRIME CHANGE ORDERS

81%
WORK FROM REPEAT CLIENTS

57
YEARS OF EXCELLENCE

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 Service
- US Department of Veteran Affairs
- US Department of Veteran Affairs, VMAC Martinsburg
- US Department of Veteran Affairs, VMAC Wilmington
- 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

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 through 4
- **U.S. Army Corps of Engineers Huntsville District:** Veteran Affairs Architect & Engineering Services (VAAES) IDC
- **AFCEC:** MATOC IDIQ for AE Title I, Title II and other AE Services primarily for Dormitory Facilities (AE24DORMS).*

BKM Services

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

At BKM, 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.

Low Voltage Design

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

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.

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.

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, helping our clients to work through the possibilities, clarify their vision, and then make it a reality.

CFD Modeling

CFD is an essential part of the design process for critical spaces. CFD 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.

Energy Modeling

BKM offers whole building energy analysis to satisfy the growing needs of building owners in an increasingly energy cost-conscious 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 Energy & Atmosphere, IgCC 2012, building life cycle cost analysis, building energy code compliance, and utility incentives and rebates.

Power System Studies

BKM understands 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 your down time while maximizing protection of your 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 Administration

BKM's 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 the construction, attending construction 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. For projects that are not as technical and where the CA budget for design is more modest, we can provide a more cost-effective approach to have one of our CA representatives manage the project during construction.