Taking KidSafety to the Streets™

As part of EMCOR’s Taking KidSafety to the Streets Program, Bahnson Mechanical Systems is proud to serve the community through its work with the National Center for Missing & Exploited Children. By prominently displaying missing children’s posters on our company and personal vehicles, and by responding quickly when a child is reported missing within facilities where we work, we help recover missing children and promote child safety.

Bahnson Mechanical Systems
Serving the Communities Where We Live, Work, and Play.

Bahnson Mechanical Systems (BMS)
provides complex specialty air and mechanical systems for virtually every market in the U.S. With 95 years of experience, our exceptional systems and operational expertise helps us meet our clients’ exacting needs.

Bahnson Mechanical Systems
An EMCOR Company

How can we help you?

www.bahnsonms.com
emcor_info@emcor.net
336.760.1548

For Preventive, Predictive or Repair Services
Call 888.475.6128

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Bahnson Mechanical Systems
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Our Markets
» Commercial/Institutional
» Government
» Hospitals
» Healthcare
» Industrial/Infrastructure
  » Heavy Manufacturing
  » Automotive
  » Electronics
  » Carpet
  » Pharmaceuticals
  » Fiberglass Conversions
» Pulp & Paper
» Textiles
» Tobacco
» Utility
» Life Sciences
» Power

Our Advantages
» Professional Engineering Services
» 24-Hour Emergency Service Hotlines
» Donaldson/Torit Factory-Authorized Service Center
» Experienced Project Management
» Extensive Spare Parts Inventory
» KTT/Kraus Trained/Certified Technicians
» LEED Certification
» On-site Training
» Quality Assurance:
  » Nuclear QA Compliant with ASME-NGA-1 2008 and 2009A (including previous revisions)
  » for fabrication, installation, design & testing
  » Lead Auditor Certified to ANSI N45.2 & NQA-1
  » Quality Control Certified Inspector CW1 & ASNT-TC-1A
  » Code of Federal Regulations Part 10, Appendix B Part 10, Section 830
  » American National Standards Institute Publication N45.2
  » American Society of Mechanical Engineers Publication NGA-1, Issue and supplemental requirements
  » U.S. Department of Energy Order 414.1D
  » ASME Code Stamp Certification “U” & “PP”
  » National Board Inspection Code “R” Stamp
  » NQA-1 Quality Program for Nuclear Mechanical Installations
  » NQA-1 Quality Program for Nuclear Mechanical Components & Equipment
  » Regional Service Centers

Call today to learn more about how Bahnson’s complete range of high-performance facilities services and systems can help you increase reliability, productivity and value.
We’re here for you.
Bahnsen Mechanical Systems
High Performance Systems & Services
for Today’s Most Demanding Environments

Bahnsen Mechanical Systems (BMS), with over 90 years of experience, is a single-source provider of complete mechanical services. They include project management, procurement, pre-construction evaluation, construction management, and construction operations, as well as after-market services, such as emergency and preventive maintenance. We also design, supply, install and service engineered air systems and components that help control temperature, relative humidity, cleanliness, and ventilation in a wide range of manufacturing, power generation and commercial facilities. Whatever the application or industry, our goal is always to deliver optimum quality, uninterruptible performance and ongoing value.
Design-Build solutions for the most demanding applications.

For nearly a century, BMS has been providing high-performance solutions for demanding clients whose production and processes require reliable, efficient HVAC, mechanical, and air systems performance. That’s why we offer a broad range of facilities services and systems specifically designed to help build, manage, and operate facilities more dependably and productively.

**Project management:** Experienced leadership, expert project delivery

Our site-proven project managers meet the needs of today’s complex engineering and construction projects by combining extensive experience with leading-edge knowledge, skills, tools and techniques. Their ability to balance time, costs and quality with both identified and unidentified requirements enables them to effectively integrate project activities and proactively manage to meet or exceed client expectations.

**Engineering:** Maximum control of in-plant environments

BMS’s multidisciplinary engineering staff provides complete industrial and power generation engineering solutions. Our precisely engineered air and mechanical systems and components help control a wide array of process emissions and other factors. The result is integrated systems engineered and designed to maintain precise conditions for efficient production, while also providing high-quality in-plant environments.

**Advanced clean-air technologies:** Optimum health, comfort, productivity

BMS sells and services leading-edge collection and filtration technologies. Our offerings include:

» High efficiency filters
» Bag collectors
» Multi-stage filters
» High vacuum filters
» Automatic filters
» Replacement filters
» Refurbished equipment and media
» Supplementary collection/filtration system products

Together, these technologies help ensure optimum air quality, maximum comfort and healthier, more productive facilities.

**Pre-construction:** Identifying the best path forward

Our complete pre-construction, value engineering, and BIM services are backed by our extensive mechanical, HVAC, and fabrication expertise. By effectively applying our varied capabilities, we assess constructability, anticipate potential obstacles, and provide innovative solutions that help avoid costly project delays and ensure consistently on-time, on-budget project completion.
Specifically engineered to your requirements and needs.

Procurement: The best from the best
BMS procures goods and services from a wide range of companies. Throughout the process, we comply with client requirements; our own internal procurement policies and guidelines; and all appropriate federal, state, and local government regulations. It’s the most effective way to ensure open, ethical procurement of consistently high-quality goods and services from the best suppliers in the marketplace.

Construction: Building complexity
Backed by more than 90 years in the business, BMS’s construction operations apply today’s “best practices” to a diverse range of highly complex projects for clients in virtually every market segment. The result is facilities designed and built to provide the operational excellence, outstanding reliability, and ongoing performance our clients need to meet today’s most difficult challenges. BMS can provide customer built solutions for non-standardized applications. BMS services include design and fabrication of standard ductwork and customer air handling units. Our services also include quality assurance programs and NQA-1 certifications.

Fabrication: Custom-made for safe, smooth installation
BMS fabricates specialty duct and piping components that meet today’s most stringent welding and testing standards, as well as the virtually zero-tolerance requirements of highly demanding industries. And by pre-assembling components in our shop, we increase quality control, while reducing jobsite clutter and improving safety.

Maintenance and service: A complete solution that is there when you need it
We provide a range of services, including emergency response, preventive and predictive maintenance, calibration, retrofits, and repairs for mission-critical, heavy industrial, large and small commercial, and other clients. We keep your equipment and systems at peak performance levels. Our experts identify potential electrical and mechanical equipment problems before they occur. It all adds up to a “one-stop” solution for maintaining efficient, dependable, and productive facilities.

Our Services

Pre-Construction Services
» Constructability Assessments
» Design Evaluation

Engineering & Design
» State-of-the Art CAD Technology
» Capacity Analysis & Feasibility Studies
» Conceptual Engineering
» Controls & Instrumentation Design

Construction
» HVAC, Filtration & Ventilation Systems
» Controls & Instrumentation
» DX & Chilled Water Systems
» Environmental Safety & Health Programs
» Field Administration
» Heat Reclamation Systems
» Humidity Control Systems
» Light & Heavy Gauge Sheet Metal & Fabric Ductwork

Service & Preventive Maintenance
» Calibration
» Commissioning
» Complete Chiller Overhauls
» Equipment Replacements / Special Projects
» Full & Preventive Maintenance
» Level 3 Certified Analysis
» Predictive Maintenance

Our Experience
We offer the following customer references for projects that included HVAC/filtration and contracting requirements:
» Milliken
» Gildan
» RJR Reynolds
» Energizer
» Georgia Pacific
» 3M
» Kimberly Clark
» Procter & Gamble
» Mohawk Carpets
» Shaw Carpets
» replacement & Mission-Critical Specialized Parts
» Service Seminars
» Temperature & Humidity Mapping
» Upgrades & Retrofits
» Vibration Analysis & Trending
» Infrared Thermography
» Continental Tire
» Bridgestone Firestone
» Kohler
» Cryovac Sealed Air
» BASF
» Tyco
» Owens Corning
» Parkdale
» Timken Bearing

Materials Management
» Process Equipment
» Millwright Services
» Utility, Service & Process Piping
» Filter Systems
» Compressor Systems
» Turnkey Mechanical Systems
» Custom Built Equipment
A passion for safety & quality.

Bahnson Mechanical Systems is passionate about safety and quality

Safety and quality are engrained in the fabric of our culture. Our quality assurance procedures and guidelines ensure that we and our subcontractors conform to contract specifications and comply with current good manufacturing practices (cGMP). The standard operating procedures that have evolved from this process mean consistently high-quality installations and accurate “enhanced turn-over packages” (eTOPs), as well as timely installation qualification (IQ), operation qualification (OQ) and performance qualification (PQ) protocols that improve our clients’ validation process.

Our safety program is equally responsive to clients’ needs. We have been recognized regularly by the North Carolina Department of Labor for an Annual Safety Award and for the Million Hour Award. In addition, EMCOR’s “Be There For Life, ZERO Accident Program” has helped EMCOR companies achieve safety performance that is 5-to-10 times better than the national average. That’s why you can rely on Bahnson Mechanical Systems for consistently safe, on-time delivery of projects that satisfy the highest quality standards.

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3901 West Point Blvd., Suite 100, Winston-Salem, NC 27103

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  - Quality Control Certified Inspector CW1 & ASNT-TC-1A
  - Codes of Federal Regulations Part 10, Section 50, Appendix E - Part 10, Section 850
  - American National Standards Institute Publication H4.2
  - American Society of Mechanical Engineers Publication NQA-1, Issue and supplemental requirements
  - U.S. Department of Energy Order 414.1D
  - ASME Code Stamp Certifications "U" & "PV"
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