



Complete Mechanical Solutions for Today's Most Complex Environments

PROVEN LIFE SCIENCES EXPERIENCE

Research and development centers

Clinical trial and quality control buildings

Laboratories and clean rooms

Pilot plant and intermediate scale manufacturing facilities

Production plants

Distribution facilities

Gene therapy production and R&D facilities

Pharmaceutical facilities

SPECIALIZED SYSTEMS EXPERTISE

Process HVAC systems

Galvanized and SS duct systems

Strict quality assurance procedures

Process piping, including:

- Carbon steel water, glycol, and steam systems
- Process gas systems

HEPA filter installations and change outs

Custom HVAC equipment rigging, installation, and maintenance services

Compliance with FDA cGMP standards

WHAT CAN WE DO FOR YOU?

Bahnsen Mechanical Systems
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 Clemmons, NC 27012

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We offer comprehensive mechanical design-build services for the demanding environments found in the life sciences industry, including research centers, production plants, labs, pharma facilities, and more. From conception through execution, count on our mechanical experts to construct your sophisticated facility from the ground-up — all while providing real time feedback on performance, costs, schedule, and more.

Skilled Design-Build Professionals

At BMS, we leverage our years of design-build experience in the life sciences industry to help streamline project schedules, lower costs, and increase quality. Our engineers and construction teams closely coordinate their efforts, helping to eliminate redesign, expedite material and equipment procurement, and incorporate value engineering and constructability reviews at every phase of the project.

Rigorous Standards for Complete Compliance

We comply with all current Good Manufacturing Practice (cGMP) standards laid out by the Food and Drug Administration (FDA). In terms of HVAC design, that means we help ensure effective filtration, consistent maintenance, and proper airflow patterns, including those that prevent cross contamination.

Our stringent quality assurance/quality control process is led by a highly qualified management team that has extensive, hands-on HVAC and mechanical systems expertise in life sciences environments.

Collaborating to Meet Your Complex Requirements

Our design-build approach relies upon clear, transparent communication, listening carefully to your needs in an effort to deliver projects tailored to your specialized requirements. For clients in the life sciences, that means we take into account factors like:

- > Future growth or production increases
- > Product flow and functionality
- > Regulatory and building code compliance
- > Material handling needs
- > Specialized temperature, airflow, and air quality needs
- > Hygiene zone flow and control
- > Clean room and secure access requirements