



ENERGY PERFORMANCE CONSULTING



BARTLETT LAMENESS ARENA AT THE COLLEGE OF
VETERINARY MEDICINE | LEED ENHANCED COMMISSIONING
AUBURN UNIVERSITY, AL

Facilities | Mechanical, Electrical, and Plumbing

One of the largest challenges and expenses in facility maintenance is the operation and distribution of energy-consuming systems including heating, ventilation, and air conditioning (HVAC); interior and exterior lighting; and domestic water service. Today's building occupants increasingly expect high efficiency, sustainability, and performance in mechanical, electrical, and plumbing (MEP) systems. These expectations extend to the long-term maintenance of these complex and evolving systems.

Experience and Expertise

Terracon is a valuable partner in assessing the condition and performance of your MEP systems and developing strategies to improve their efficiency and reliability. Our licensed engineers, LEED accredited professionals, and commissioning agents recognize that even if your facility's MEP systems are properly designed and installed with state-of-the-art equipment and components, its function, occupancy, and usage may change over time.

Our professionals have the necessary tools and diagnostic skills to properly assess and troubleshoot MEP systems to ensure that they function as intended over the facility's lifetime.

Our engineers make assessments and diagnostics to provide informed, common sense recommendations. We do not assume that a system replacement or upgrade is the only answer. We are sensitive to your budget and begin with no-cost and low-cost options prior to recommending projects with higher capital investments and longer return on investment (ROI) periods.

Terracon's ultimate goal is to optimize the performance of your MEP systems to meet your needs for enhanced energy and cost efficiency.

Terracon's MEP services include:

- Air Barrier and Building Pressure Testing and Diagnostics
- Air Quality Testing and Assessments
- ASHRAE Level I, II, III Energy Audits
- Benchmarking
- Building Energy Performance Assessments
- Commissioning and Retro-Commissioning
- HVAC System Diagnostics
- LEED Consulting
- Performance Modeling/Testing
- MEP Design for Retrofit and Renovation
- MEP Diagnostics, Assessments, and Investigation
- Remedial Design and Construction Administration
- Whole Building Testing (Air Leakage)



ELECTRICAL SYSTEM ASSESSMENT



MECHANICAL SYSTEM PERFORMANCE ASSESSMENTS

Why Terracon?

Resourceful. Terracon continually applies new processes, methodologies, and techniques to all facets and types of MEP systems, from aged to state-of-the-art systems, enabling us to provide you with expert cost-effective options.

Responsive. Terracon has a broad national network of employees and equipment resources to respond to your needs on projects large and small.

Reliable. We are committed to delivering outstanding optimization of your MEP systems to meet your short and long-term needs and enhance the operation and use of your facility.

"Terracon has always been very professional, responsive, and reliable...I am pleased to recommend them to anyone who has a need to truly understanding building issues and potential solutions."

-ED WRIGHT, EXECUTIVE VICE PRESIDENT, MAA



ENR Rankings 2025

- #3 Asbestos and Lead Abatement
- #11 Top 100 Pure Designers
- #19 Top 500 Design Firms
- #44 Top 150 Global Design Firms
- #68 Top 200 Environmental Firms



Nationwide
Terracon.com

- Facilities
- Environmental
- Geotechnical
- Materials