



## Achieving Healthy, High-Performing Facilities

It's often the things you don't see in a facility that make the difference to users – like comfortable temperature, indoor air quality and well-designed lighting – but they can have a significant impact on your bottom line – like energy and water costs or productivity downtimes. We assist in providing feasible and economically-viable MEP solutions that are energy efficient, sustainable and within budget.

We are known for our creative, functional and energy-efficient MEP solutions. We continually evaluate and implement the latest advances in design, materials and technologies – including 3D design and scanning – to deliver sustainable solutions that are ideally suited to the needs of your project. Our engineering team works with you to streamline the decision-making process, allowing for better coordination and early evaluation of both the design's energy efficiency, as well as how the systems support the architecture, processes and constructability.

From early programming and design through construction administration and commissioning, our MEP team experts bring a wealth of insight to your project. Following is a partial listing of our services:

- » Facility Assessments
- » laq Assessments
- » Life Safety Assessment
- » Master Planning
- » Life-Cycle Cost Analysis
- » Asset Management
- » Energy Audits
- » Energy Analysis
- » Energy Modeling
- » Leed and Sustainability
- » Renewable Integration
- » Balance of Plant
- » Basis of Design
- » Bridging Documents
- » Code Compliance
- » Utility Interconnect
- » Fault Coordination
- » Arc Flash Analysis
- » Coordination Studies
- » Design and Build
- » Commissioning and Start-up

### MECHANICAL SYSTEMS

- » Boiler and Chiller
- » Renewable Integration and Biomass
- » Energy Recovery and CHP
- » Air Distribution
- » Make-up Air and Lab Exhaust
- » Biohazard
- » Building Automation Controls
- » Utility Master Plans
- » Compressed Air

### ELECTRICAL SYSTEMS

- » Power Distribution
- » Emergency and Standby Power
- » Interior and Exterior Lighting
- » Build Security
- » Electrical Master Plan
- » Fire Alarm
- » Telecom and Data
- » Low and Medium Voltage

### PLUMBING

- » Domestic Hot and Cold Water
- » Condensate
- » Natural Gas
- » Sanitary Sewer
- » Biohazard Waste
- » Lab Gases
- » Process Piping
- » Storm Drainage
- » Deionized Water
- » Reverse Osmosis Water



## MEP PLANNING AND DESIGN PROJECT EXPERIENCE

Client	Project	Location
Anitoch University	Facilities Assessment	Yellow Springs, OH
Anoka-Ramsey Community College	HVAC Commissioning Services	Coon Rapids, MN
Baylor University	Lewis Fine Arts Building HVAC Study and Design	Waco, TX
Baylor University	Armstrong-Browning Library Feasibility Study	Waco, TX
Eastern Iowa Community Colleges	Science Technology Additions - Muscatine, Scott and Clinton Community Colleges	Muscatine, IA
Governors State University	Building System Improvement Projects	University Park, IL
Illinois State University	Milner Library Electrical Upgrades	Normal, IL
Illinois State University	Linkins Dining Center HVAC Renovation	Normal, IL
Iowa National Guard Facilities and Construction	Iowa City Readiness Center Contingency	Iowa City, IA
Kodet Architectural Group, Ltd.	Warren E. Burger Federal Building Courthouse Renovation	MN
Minnesota State University, Moorhead	HVAC Commissioning Services	Moorhead, MN
Minnesota West Community and Technical College	Englund Hall HVAC Upgrades	Canby, MN
Muscatine Community Y	Joint Facility and Facility Additions	Muscatine, IA
Northern Arizona University	Distance Learning Facility HVAC System Commissioning	Flagstaff, AZ
Ridgewater College	East Hutchinson Campus HVAC Improvements	Hutchinson, MN
Southern Methodist University	Electrical Substation Study and Design	Dallas, TX
Riverland Community College	Wind Turbine Technology Classroom HVAC upgrade	Albert Lea, MN
Texas Department of Criminal Justice	Replace Fire Alarm Systems - Hodge, Kyle, Roach and Lynaugh Units and Travis County State Jail	Huntsville, TX
Texas Facilities Commission	TSBVI 4 New Buildings - Medium Voltage Assessment	Austin, TX
Texas Facilities Commission	Rudder Building Interior Renovations	Austin, TX
Texas Facilities Commission	Sam Houston Building CCCPP Predesign Assessment	Austin, TX
Texas Facilities Commission	State Records Center MEP Engineering	Austin, TX
Texas Facilities Commission	Deferred Maintenance Projects - Engineering and Architectural Services - 15 Buildings	Austin, TX
Texas Facilities Commission	State Finance Building Boiler Replacement	Austin, TX
Texas Facilities Commission	GJ Sutton Complex Condition Assessment	Austin, TX
Texas Facilities Commission	TSBVI Campus 15 kV Electrical Distribution	Austin, TX
Texas Facilities Commission	Elias Ramirez Building Cooling Tower Replacement	Austin, TX
Texas Facilities Commission	JHW, SHB HVAC; Electrical Upgrades	Austin, TX
Texas Tech University Health Sciences Center	Cancer Laboratory Liquid Nitrogen Freezer Room and Storage Tanks MEP and Structural Design	Lubbock, TX
University of Colorado	Dravo Building Assessment and Renovation	Denver, CO
University of Colorado	East Campus 13.2 kV Switchgear Replacement	Boulder, CO
University of Colorado	College of Arts and Media 8th Floor Upgrade	Denver, CO
University of Illinois at Chicago	Richard J. Daley Library HVAC Upgrades	Chicago, IL
University of Illinois at Chicago	Building 621 High Temperature Hot Water Piping Replacement	Chicago, IL
US Army COE, Vicksburg District	Lake Ouachita Office Building	Lake Ouachita, AR
US Army Engineering Research and Development Center	Raven Rock Technology Assessments	Champaign, IL
Vermillion Community College	Library and Office Administration Area HVAC Upgrade	Ely, MN
Western Illinois University	Brophy and Morgan Halls - Upgrade HVAC Systems	Macomb, IL
Winona State University	Performing Arts Center HVAC improvements	Winona, MN
Winona State University	Phelps Hall HVAC Improvements	Winona, MN
Winona State University	Kryzsko Commons Air Handling Unit Replacement	Winona, MN