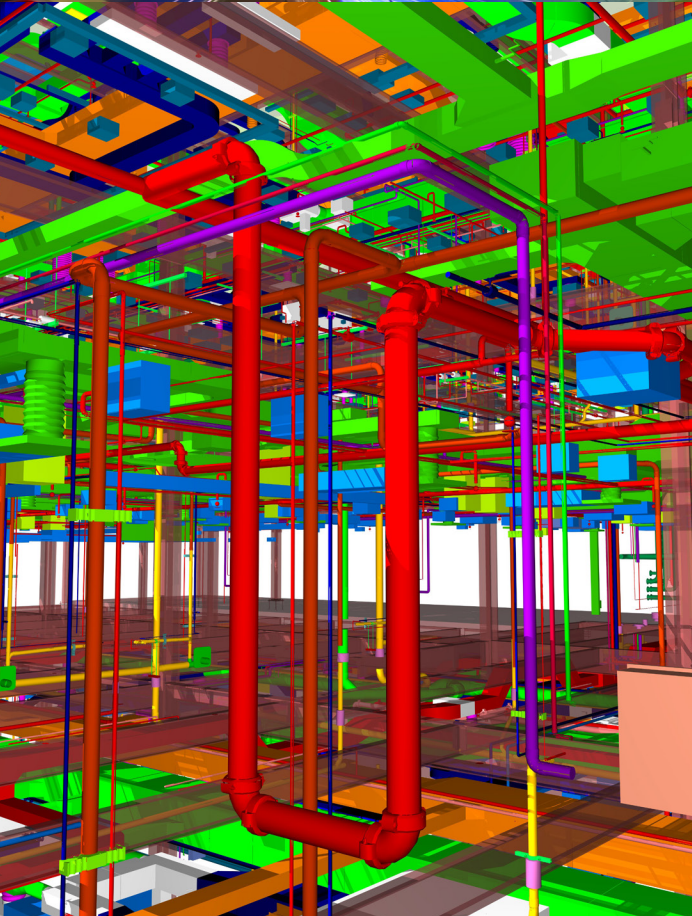


# An Award-winning Safety Leader—in Mechanical, Pre-construction & Process Piping Fabrication Services.

Providing design-assist, HVAC, plumbing, sheet metal, and process piping services for healthcare, biotech, high tech, water treatment, and power generation facilities and more.





## MAIN CAPABILITIES

# Exceeding Client Expectations. Providing Innovative Mechanical Systems Solutions.

Since 1922, the dedication, commitment, and hard work of our employees have enabled University Mechanical & Engineering Contractors, Inc. (UMEC) in Arizona to provide clients with best-in-class mechanical systems, services, and an innovative mechanical systems solutions. Our team of experts apply a range of specialized techniques to help end-users, owners, general contractors, and architects achieve substantial benefits— even before construction begins.

### Award-winning Safety. By the Numbers.

- > 19+ years, 15.2+ million hours, ZERO lost-time incidents
- > **CSAP Platinum Award**  
The Platinum Award is the highest level designation given by the Contractor Safety Assessment Program (CSAP) and is presented on behalf of UMEC's client, one of the nation's leading microchip manufacturers.
- > **CNA Safety Award**  
This award, presented by CNA, the country's 8th largest commercial insurance underwriter and the 13th largest property and casualty company, was given to UMEC for having 15,000,000 labor hours without a lost-time incident.

UMEC's commitment to safety is part of a multi-tiered, integrated approach that includes the **Be There For Life!- Zero Injury Program** as well as a host of supporting initiatives, such as the employee-focused **"Be Vigilant" Campaign**. This program is designed to educate its employees and their families about the importance of safety through the use of workplace posters, company newsletters, good work practice mailings, and a number of other creative tactics intended to instill the conviction that every injury is preventable.

### THOUSANDS OF PROJECTS. SIX MAJOR MARKETS SERVED

Education

Government

Technology

Healthcare

Industrial

Technology

### INDUSTRY AFFILIATIONS

Sheet Metal Workers International Association (SMWIA)

Mechanical Contractors Association of America (MCAA)

Sheet Metal and Air Conditioning Contractors National Association (SMACNA)

American Society of Heating Refrigeration and Air-Conditioning Engineers (ASHRAE)

Association of General Contractors (AGC)

International Society of Pharmaceutical Engineering (ISPE)

Semiconductor Equipment & Materials International (Semicon)

Institute of Environmental Sciences & Technology (IEST)

The United Association of Journeyman and Apprentices (UA)

## Awards, Advantages, And Client-focused Benefits

- > Over 100 years of industry experience
- > Award-winning safety program
- > State-of-the-art ISO Class 4 and 5 high-purity piping fabrication facility
- > Quality assurance/quality control staff
- > Application of standard operating procedures for cGMP facilities
- > Leadership in Energy & Environmental Design (LEED)-accredited professional staff
- > Innovative, energy-efficient mechanical systems
- > Multi-trade state-of-the-art CAD/CAM 3D design/detailing and Building Information Modeling (BIM) capabilities
- > Significant prime contracting experience » Single-source responsibility
- > State-of-the-art productivity program
- > Superior pre-construction services, including engineering, design-build, and design-assist

## Fabrication Services

UMEC in Arizona also has extensive fabrication facilities that provide our projects and clients a range of benefits, including increased efficiencies, timing, and safety. Fabrication is performed in the areas of piping, plumbing, and ultra high-purity piping for mechanical systems. **These expanded fabrication capabilities include:**

- > 5,000-square-foot covered piping fabrication facility, where we produce industrial stainless steel and other alloy products, as well as central plant systems
- > 6,000-square-foot plumbing fabrication shop

- > 55,000-square-foot of process piping fabrication facilities
- > 3,500-square-foot ultra high-purity (UHP) piping fabrication facility consisting of 2,500 square feet of ISO Class 4 and 5 UHP stainless steel fabrication area and 1,000 square feet used for high-purity stainless steel or high-purity plastic piping fabrication. In this facility we fabricate under strict clean room conditions.

UMEC offers tailored system components delivered when and where they're needed for the safe, timely installation of dependable, high-performance mechanical systems.

## Design-Assist Services

UMEC's design-assist experts develop innovative pre-construction solutions that help ensure smooth, timely constructability while simultaneously meeting unique project needs. By investigating equipment and system alternatives, and assessing specification details, our experts help minimize expensive project changes or potential delays while helping to ensure ongoing value with the goal of:

- > Accelerated decision making
- > Increased productivity
- > Minimal shop drawing reviews and revisions
- > Earlier selection of long lead-time equipment
- > Improved budget control

## SERVICES AT A GLANCE: MECHANICAL SERVICES

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Custom HVAC duct work

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Piping and plumbing fabrication

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Fire protection services

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High-purity systems

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Industrial HVAC services

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Industrial and process piping systems

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Instrumentation

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Medical gas piping systems

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Commercial plumbing services

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Sheet metal fabrication

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Temperature and process controls

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Testing, adjusting, and balancing

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Water/wastewater treatment and pollution control services

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## Building Information Modeling (BIM) Coordination & CAD Services

Building Information Modeling (BIM) is today's fastest and most cost-effective project management strategy. It's an area in which UMEC is a consistent leader. In an average year, UMEC completes 25+ projects utilizing BIM. To ensure smooth project delivery, UMEC experts collaborate with key construction team members at our dedicated 3D/BIM coordination facility and across EMCOR Group, Inc., where, collectively, the Company has a BIM/CAD intelligence network that is 300+ strong.

During these meetings, which are held before ground is broken, we build the computer-aided design (CAD), integrated graphics, and data system needed to assess a facility through three-dimensional visualization.

### This enables us to:

- > Identify and resolve constructability issues early
- > Evaluate various system and equipment options to find the best solutions
- > Develop efficient trade and purchasing schedules
- > Maximize prefabrication opportunities
- > Coordinate scheduling
- > Reduce costs by eliminating rework
- > Optimize safety

When the building is turned over to the owner, BIM data helps enable more efficient facility management. The goal is timely, cost-effective project completion and delivery.

Our goal in getting involved early in the planning stage is to help further ensure a client's project is completed on time and on budget. Our aim is to provide our clients with the elite commercial plumbing, piping, HVAC, and mechanical systems UMEC in Arizona is known for.

### ADDITIONAL SERVICES

Commissioning, re-commissioning, and start-up

Conceptual budgeting

Design-assist

BIM coordination

CAD services

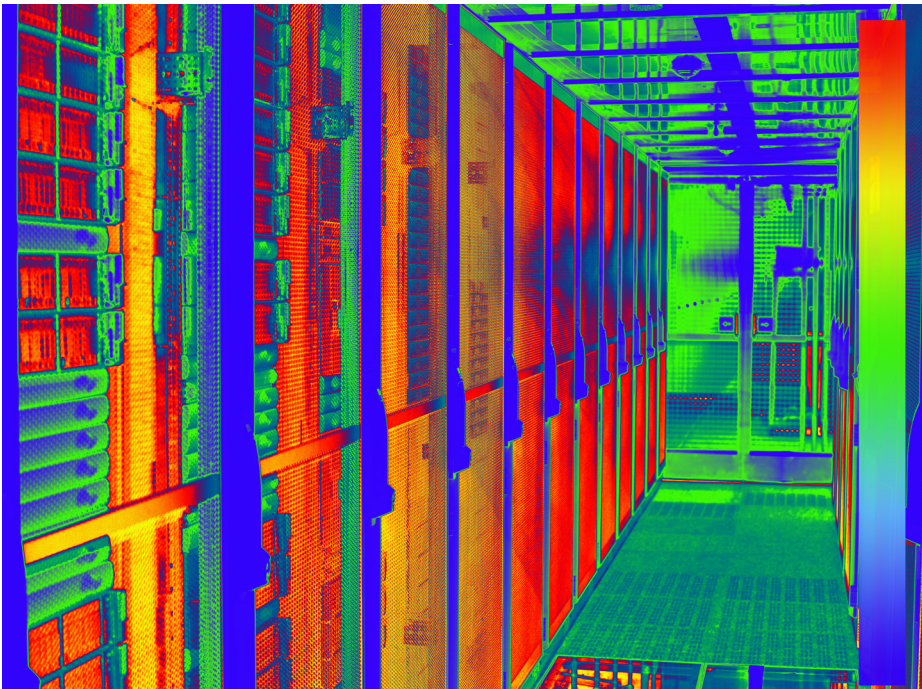
Fast track

Procurement and expediting services

Project management

Scheduling and planning

Value engineering



## Harnessing the Power of a Fortune 500® Leader

A Fortune 500® company, EMCOR Group, Inc. (NYSE: EME) is a leader in mechanical and electrical construction, industrial and energy infrastructure, and building services.

EMCOR specializes in planning, installing, operating, maintaining, and protecting the sophisticated and dynamic systems that create facility environments. This includes systems such as electrical, mechanical, lighting, air conditioning, heating, security, fire protection, and power generation.

With over 180 locations and approximately 38,000 skilled employees, EMCOR works in virtually every sector of the economy for a diverse range of businesses, organizations, and government agencies.

[emcorgroup.com](http://emcorgroup.com)

### Safety that Beats the National Average

EMCOR's safety performance consistently remains strong year after year with a current Incident Rate that is 52-percent lower than our competitors (Source: Bureau of Labor Statistics Industry Average for Specialty Contractors NAICS 2382, 2022). For 15 consecutive years, our incident rate has been less than half the industry average



### WHAT CAN WE DO FOR YOU?

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