Full Service Mechanical Contractor

Offering a Strong Diversity of Mechanical Services

HVAC
Industrial Refrigeration
Food & Process Piping
Heavy Industrial
BAS/System Integration

Prefabrication Services
Electrical
Design & Engineering
Service & Maintenance
Plumbing

Serving Chicagoland Since 1963
Quality, Integrity, Reliability
Something You Can Always Count On With AMS

AMS Mechanical Systems, Inc. has served the mechanical construction needs of the chemical, food & process piping, manufacturing and power industries for over 50 years. Through our corporate commitment and dedication to the industry, AMS has established three distinct business units: Industrial Refrigeration & Food Processing, Commercial Mechanical Construction including: HVAC, Plumbing, BAS/System Integration and Heavy Industrial Construction.

AMS Mechanical's strong leadership and reputation for meeting the challenges and demands of our customers through deliberate and definitive response to growth and change have helped us grow from a one man proprietorship back in 1963 to a corporation of more than 500 employees today.

At AMS, we believe that quality leadership and the right people coupled with integrity and a passion for excellence create a company wide philosophy for mutual success. We have set a high level of expectation for ourselves and for the integrity of those we serve, and we vow never to compromise those standards.
AMS Mechanical Systems, Inc. Commercial Business Group provides professional HVAC services in the design build, design assist, and the plan specification market place for both private and public commercial sectors. This group is comprised of Licensed Professional Engineers, experienced estimators and drafting personnel who together develop initial design concepts and budget pricing as well as provide practical and cost effective design solutions to meet our clients' desired building needs. Using our innovation, teamwork, and experience, we pull together every facet of the project from inception to completion to deliver an efficient and uncompromised system. In addition, our experienced service team offers a full cadre of service and maintenance programs to maintain the integrity and reliability of your system for years to come.

At AMS, we take pride in our dedication to every project. With a shared philosophy of listening and working closely with owners and owners' representatives, we promote our involvement during the early stages of the project. The process of getting the project manager involved from the onset and working with design and estimating until the award is complete, minimizes any disparity in the obligation of AMS. Once the award is made, AMS leverages its complete resources from scheduling, coordination, safety, cost control, and field supervision to deliver uncompromised project results.

We are privileged that our most valuable asset, “our clients”, continue to entrust AMS Mechanical Systems with their most complex and demanding projects.
AMS Mechanical Industrial Group offers our clients a full spectrum of mechanical and process piping solutions. These services vary from process & power piping and equipment settings to small maintenance and capital program work. AMS project management and performance measurement system will provide clients fully integrated solutions.

At AMS, our clients know they can count on us to stay on schedule and budget. Through our performance, management systems and project leadership we collaborate day-to-day data including installed units, hours spent, cost to complete, scope changes/RFI’s and schedule updates. By tracking installed units, we can tell our clients exactly how close we are to project completion, and can transparently show exactly what systems are ready for checkout and start-up.

AMS maintains a 130,000 sq. ft. fabrication facility that services several specialty contracts as well as the prefabrication to support all field operations. Through strong leadership in the field, with a team of highly trained and qualified personnel, AMS adds value to every project by meeting and exceeding the expectations of all customers.

**CAPABILITIES**

- Design/Build
- Plan & Spec
- Pipe Fabrication
- Equipment Rigging & Setting
- Special Alloy & Welding
- Heavy Wall Pipe Welding
- Instrumentation
- Code Welding
- Plant Maintenance
- Process & Power Piping
- Skid Fabrication
- Emergency Shutdown
- Service & Maintenance

**INDUSTRIES SERVED**

- Power Generation
- Alternate Fuels
- Steel Manufacturing
- Petrochemical
- Industrial Food Processing
- Chemical Plants
- Wastewater Treatment
- Hydrogen Plants
- Pharmaceutical Facilities
- Manufacturing

**B. I. M.**

- Collaboration
- Prefabrication
- 3D Scanning
- Coordination
- Operational Data & Maintenance

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Serving the industry for over 50 years, AMS has developed unmatched capabilities for the diverse needs of the Industrial Ammonia and Freon refrigeration industry throughout the United States. Serving as the foundation for AMS Mechanical Systems’ growth and diversification, the Industrial Refrigeration Group has developed into a full service provider for the food manufacturing and cold storage industries. Today our capabilities encompass total plant development, incorporating fully engineered refrigeration and process design, installation, system control and energy management, commissioning and training.

This specialized business group offers a team of talented mechanical engineers, estimators, CAD designers, and project managers with capabilities extending to the complete facility and process design. Working closely with the client, the AMS experienced team focuses on cost-effective solutions, provisions for plant growth, process/system operational interface, operating efficiencies, and equipment maintenance.

**CAPABILITIES**

- Design/Build
- Central Ammonia Systems
- Central & Split Freon Systems
- CO²/Ammonia Cascade Systems
- System Service & Maintenance
- Cost Analysis
- Control Design/Installation
- Commissioning/Training
- Service & Maintenance

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**INDUSTRIES SERVED**

- Cold Storage Warehousing
- Food Processing
- Beverage & Bottling
- Chemical & Process
- Pharmaceutical
- Ice Rinks
- Thermal Storage
- Process Cooling

ONE VISION. PROVEN SOLUTIONS.℠
In collaboration with the AMS Industrial Refrigeration Group, AMS offers the design and installation of process and utility piping. Our team approach takes the lead from plant management to engineering to maintenance and leverages resources to fabricate and install complete process piping systems including water, steam, compressed air, natural gas, chemical and sanitizing. AMS has developed unmatched capabilities for the food and processing industries inclusive of long term planning, system design, installation, commissioning, start-up and maintenance.

**CAPABILITIES**
- Design/Build
- Plan & Spec
- Facility Layout
- High Pressure Wash Systems
- Steam
- Compressed Air
- Natural Gas
- Chemical
- CO2/Nitrogen
- Hydraulics
- Process HVAC
- Specialty Metal Fabrication
- Service & Maintenance

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**INDUSTRIES SERVED**
- Meat & Poultry Processing
- Beverage & Bottling
- Dairy
- Bakery
- Confectionery
- Cold Storage
- Edible Oil Refining
As an integral part of our MEP team approach, our engineers, estimators and designers along with our unionized plumbers share the same vision that has made AMS one of the finest contractors in the Chicagoland area for over 50 years. Our focus is quality, integrity and dedication to our client.

Service: Our 24/7 plumbing service team consists of licensed plumbers that are there to assist all your service and emergency needs. All service technicians are equipped with full service vehicles and tooling to meet your most difficult service requirements including but not limited to: emergency repairs, backflow testing, preventative maintenance, long line camera inspections and all operational service requirements.

Design, Coordination, Fabrication and Installation: AMS has a loyal and experienced team of true professionals and offers innovative design, system fabrication, project coordination and field installation to meet the challenging needs of today's commercial construction industry. With the construction industry becoming more and more commoditized, innovation and differentiation are no longer buzzwords – they are a necessity for survival and success. AMS’s Plumbing Group along with their entire MEP team have committed to the utilization of technology and defined operational process. AMS utilizes laser scanning, BIM, 3D and its fabrication capabilities to design, coordinate and to deliver a high quality project in a safe and cohesive manner.

CAPABILITIES
- Plan & Spec
- Prefabrication
- Emergency Service
- Preventative Maintenance
- Service & Maintenance

B. I. M.
- Collaboration
- Prefabrication
- 3D Scanning
- Coordination
- Operational Data & Maintenance

INDUSTRIES SERVED
- Commercial
- Industrial
- Educational
- Food Process
- Hospitals/Healthcare
- Pharmaceutical
- Hotel/Condominium/High Rise
- Office/Warehouse
- Tenant Build Out
AMS Mechanical Systems, Inc. Electrical Group offers high-quality design, construction, installation and service for all types of electrical contracting including industrial, refrigeration, process skid packages, HVAC-system controls, chemical and manufacturing applications.

Our specialists understand the relationship between mechanical and electrical systems and are able to provide seamless coordination for a worry free project. By applying our years of experience in electrical contracting, AMS will make sure that the job is done right.

**CAPABILITIES**
- Design/Build
- Plan & Spec
- Power Distribution
- Emergency Service
- Preventative Maintenance
- Service & Maintenance

**INDUSTRIES SERVED**
- Commercial
- Industrial
- Educational
- Food Process
- Hospitals/Healthcare
- Pharmaceutical
- Hotel/Condominium/High Rise
- Tenant Build Out
- Manufacturing

Applying Our Years Of Experience In Electrical Contracting, AMS Makes Sure That The Job Is Done Right.
To facilitate the growing demands of the greater Northwest Indiana and Joliet industrial corridor AMS Mechanical Systems has strategically located its Industrial Fabrication Facility in East Chicago, Indiana. This facility is comprised of 90,000 sq. ft. of conditioned fabrication area along with 4,000 sq. ft. of administrative office area. This combined with the corporate facilities located in Burr Ridge, Illinois, which primarily serves our Commercial piping, plumbing, sheet metal and fabrication needs, provides a total of 130,000 sq. ft. of available conditioned and qualified fabrication area. Each facility works under the U.A. National Pipe Fabrication Agreement and fully utilize composite crews were applicable bringing significant cost savings to project delivery.

**Facility attributes:**
- Two 30-ton overhead cranes/One 10-ton overhead crane
- 21 ft. clearance from hook to floor
- 12 temperature controlled hydrostatic testing stations
- Four (4) weld positioners up to 42 in.
- One (1) weld positioner - 36 in.
- Four (4) welder-testing booths
- Segregated area for non-ferrous fabrication
- Segregated and secured welding rod and consumable storage
- Plasma cutting
- Oxygen piping clean room capabilities
- In-house testing – PMI, UT, magnetic particle testing
- One acre outside fabrication and laydown area
- Rail spur access

AMS maintains full time in-house QA/QC management and develops, coordinates and maintains complete document control systems for each project and as required. This process includes but is not limited to: welder testing, certification and continuity, material test reports, procurement documents, weld map traceability, “real-time” project records and coordination of authorized inspectors and client representatives. Standards and techniques include SMAW, GMAW, FCAW, GTAW as well as client specific requirements. Additional in-house services include engineering, piping design; scheduling and isometric/spool drawing verification.

**CAPABILITIES**
- Power Piping
- HVAC Piping
- Plumbing
- Sheetmetal
- Skid Fabrication
- Energy Services
- Service & Maintenance

**INDUSTRIES SERVED**
- Commercial
- Industrial
- Education
- Food Process
- Hospitals/Healthcare
- Pharmaceutical
- Hotel/Condominium/High Rise
- Office/Warehouse
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- Manufacturing

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ONE VISION. PROVEN SOLUTIONS.™
The success of every project begins with a full understanding of the client's needs as well as his intended goals. In collaboration with the ownership, development, or construction management, AMS offers complete engineering, system design/layout and in support of Industrial Refrigeration Industries. Whether it is a complete design/build, value engineering or design assist, we believe that as a Full Service Mechanical Contractor we can serve the client's best interest by capitalizing on our years of experience to provide cost-effective solutions with a focus on first time cost, operations, serviceability, and energy efficiencies.

**AMS Mechanical Services is a Licensed Professional Engineering Corporation.** Our full service capabilities incorporate the experience of our design engineers, estimating personnel, project management team, and strong field leadership to provide a seamless approach to project success. Our intent is to add value and intelligence to every system we design and install with the goal of exceeding our client's expectation – now and in the future.
AMS Provides 24/7 HVAC/Ammonia & Freon Refrigeration, Repair/Preventive & Predictive Maintenance Services

AMS Mechanical Systems, Inc. Service Group provides an unsurpassed dedication and commitment to our clients by providing a diversity of services and technical discipline to support and maintain your building HVAC Mechanical Equipment, Data Center Operation, Process Refrigeration Equipment, Ice Rink, Cold Storage Facility, Thermal Storage, Building Automation and much more.

Providing “Service” is more than just a word, it’s a commitment to our clients and another example of AMS Mechanical Systems, Inc. delivering a comprehensive business model. Our innovative approach to customizing OUR services to meet YOUR equipment needs allows us to match technical expertise to the complexity of equipment, location and demand.

You Can Depend On AMS To Provide:

- Customized Preventive/Predictive Maintenance Programs; delivered through our trademarked maintenance program - EquipCare™. We believe that a program should be built to fit YOUR equipment needs and budget and not fit into a template.

- Dedicated Primary and Secondary Service Technicians, Account Representation and a full Service Support Administrative Team (behind the scenes). All of the elements needed to deliver a well-rounded service experience.

- 24/7/365 Service providing you with live dispatch service support during and after hours.

- Average Tenure of Field Technicians – 15 years.

- Drug Test, Background Check and MVR Report are completed annually on each service employee.

- AMS Mechanical Systems, Inc. identified by wearing uniforms and required safety gear while working in your facility.

- “Customer First Philosophy” and our goal to deliver “Service Excellence”.

- Investment in continuing education to our employees (field and office) is a commitment made by AMS and a requirement to maintain a position on our Service Team. It is our responsibility to our customers as your contractor and our responsibility to the future of the industry. From safety certifications, to manufacturer specific knowledge; it is our job to make sure we remain ahead of industry standards.

- Providing service and support to all manufacturer equipment & component needs; allowing AMS to remain your single resource for equipment support, technical data and operational efficiency.
INDUSTRY LEADER
AMS Mechanical Systems, Inc. BAS/Systems Integration Group is another forward movement into the future of the Mechanical Contracting industry. The choice to offer our customers a variety of System Integration and Energy Solutions, is just another example of our dedication to be your trusted service provider.

BAS/SYSTEM INTEGRATION
The foundation of our Systems Integration Group is based on delivering projects with fully open architecture that will allow the many systems within a facility to be integrated and become interoperable. We begin each design based on this foundation, along the way, we develop a clear understanding of the needs of our clients and the needs of the facility so that when a project is completed, the client can rest assured that every detail has been considered.

SMART/EFFICIENT FACILITIES
AMS Mechanical Systems, Inc., offers smart building technology and practices that are becoming a must for well-run, energy efficient facilities. If existing systems are in disrepair or inefficient, AMS professionals can conduct an energy audit, install or upgrade an energy efficient system or integrate entire building systems to one platform—maximizing efficiency and providing more granular control thus saving time and money.

The AMS Energy Team will help you:
• Conduct an energy audit
• Plan and install custom energy efficient system
• Track energy consumption
• Identify rebates and tax incentives
• Improve your Energy Star rating
• Acquire sustainable benchmarking (LEED certification)

CAPABILITIES
• Design
• Consulting
• Energy Audits
• Installation
• Preventative Maintenance
• Emergency Service

THE NIAGARA FRAMEWORK
When AMS Mechanical Systems, Inc. installs open systems built on the Niagara Framework, our clients not only realize better and more efficient control of their facilities, they are now in control of who they choose to partner with for long term service. Each of our projects is designed so that the client is no longer limited to one proprietary source for service, systems upgrades and maintenance.

Niagara has forever changed the building automation industry by offering a Framework that allows the client to choose a migration path that works within their budget. Some of the many and continually growing benefits of installing products built on the Niagara Framework are:

• Phased integration of equipment and legacy systems
• Completely scalable architecture
• Adaptable to nearly any communication protocol
• Integration of all building systems into one OPEN Framework
• System service and enhancements from any AX Certified System Integrator
• Web based integrated systems control and monitoring
• Enterprise management and energy tools

By installing systems built on the Niagara Framework there is no limit to the systems a client can choose to integrate.

• HVAC Controls
• Guest Room Controls
• Gas Detection
• Emergency Power Systems
• Fire Protection
• Central Plant Systems
• Geothermal
• BTU Metering
• Access Control
• Irrigation
• Data Center Conditioning
• Lighting Control
• Utility Metering
• Surveillance
• Continuous Commissioning

SUPPORT
AMS doesn’t stop after implementation, our professionals will monitor and maintain these complex and dynamic systems at optimal performance to insure you receive the maximum benefit from your investment.
Safety First

At AMS Mechanical, we believe safety comes first, and we make safety the responsibility of every employee. All AMS employees take responsibility for their individual safety and the safety of their coworkers. We are all actively involved as a team to prevent accidents and demonstrate safety excellence through intervention and personal example.

Our CORE Values – Safety, Excellence, Integrity, People, and Stewardship – motivate our movements and confirm that safety is core to how we operate. Our Zero Accident Statement is more than words, it guides the conduct of employees and contractors working on our jobsites. AMS is committed to the philosophy and practice of achieving and sustaining an accident free work environment.

AMS Safety...An Attitude...Not An Option!

Quality Assurance

AMS Mechanical Systems, Inc. is proud to provide our customers with the highest-level quality standards available throughout every aspect of operation. Both the American Society of Mechanical Engineers (ASME) and the National Board of Boiler and Pressure Vessel Inspectors (NBBI) have accredited the AMS Mechanical Systems, Inc. Quality Assurance Program. As a result of these accreditation’s, AMS Mechanical Systems, Inc. maintains and possesses the U Stamp, PP Stamp, R Stamp and Mechanical Engineering.

Quality Program

Our highly qualified team has experience in both the Nuclear and Industrial markets. AMS maintains a library of numerous codes and standards including but not limited to: ASME Sections I, II, III, IV, VIII and IX, ASME AG-1, ASTM, AWS, PFI, API, IEEE, NBIC Parts 1, 2 and 3, ANSI and various piping codes including B31.1, B31.3, B31.5, as well as the experience to understand and execute the requirements of those Codes and Standards.

In-House Testing Program

Within our current quality system, AMS maintains an extensive amount of calibrated measuring and test equipment, which is utilized to support our in-house material testing program.

Excellence Is In Everything We Do

Highlights

- Development, distribution and implementation of safety procedures
- Continuing education and training for AMS field personnel and project managers
- Site-specific safety plans
- Safety incentive programs
- Measured accountability for safety at all levels of the organization
- Implementation of Tool Box Talks
- Extensive hazard identification and correction process
- Pre-job and pre-task safety analysis
- Jobsite safety audits
- Workman’s compensation and G/L claims management
- Near accident programs
- Accident and incident investigation programs
- Corrective actions and lessons learned programs
- New hire training and orientation
- Driving safety programs
- Drug and alcohol testing

Award Winning Safety Program

At AMS “Zero Accident” is more than just a statement. It is a reality.

Recent Awards & Recognitions

- Three Rivers Manufacturers Association
- Contractor Score
- Construction Safety Award

Safety, Making Zero Accidents A Reality… Home Safe Everyday
Our Philosophy

At AMS, we believe that quality leadership and the right people coupled with integrity and a passion for excellence create a company wide philosophy for mutual success. We have set a high level of expectation for ourselves and for the integrity of those we serve, and we vow never to compromise those standards.

Our Mission

A team of individuals working together, who are passionately committed to providing the best customer experience with open communication, innovative and proven solutions with reliable safety and quality customer service. Equally, we strive to develop, buildup and impact our teammates, clients and those in our community.

Our History

AMS Mechanical’s strong leadership and reputation for meeting the challenges and demands of our customers through deliberate and definitive response to growth and change have helped us grow from a one man proprietorship back in 1963 to a corporation of more than 500 employees today.

Our Core Values

Safety, making Zero Accidents a reality…Home safe everyday
Excellence is in everything we do
Integrity is our cornerstone
People, building a legacy & developing the leadership for tomorrow
Stewardship, being accountable for all that we do with all that we are given

“The achievements of an organization are the results of the combined effort of each individual.”

– Vince Lombardi

ONE VISION. PROVEN SOLUTIONS.
Living Our Values: Safety, Excellence, Integrity, People and Stewardship

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