



MECHANICAL CONTRACTORS OF AMERICA ANNUAL STUDENT COMPETITION PROJECT

MCAA has built the best competition in the industry educating the students, creating competition on the biggest stage and providing a business opportunity outside of the textbooks. This real-life experience is a core element of the MCAA Career Development Committee and has helped numerous students choose a career with our member contractors. Your help is needed to make this competition better every year by providing projects that are challenging and relevant.

Your company will receive national recognition for your role in providing the current year's project. Students from every chapter across the US and Canada will utilize the information provided by your company to prepare their proposal. You will see first-hand what the best students are creating and presenting and can see their work at the national MCAA Convention. Consider which project you have completed to offer for the student competition.

The competition starts in September with the launch of the project. Teams work until December to build their proposals and submit to the Career Development Committee through Procore®. Once these proposals have been submitted a group of judges (MCAA contractor members) will evaluate these proposals and narrow it down to the final four. The judging criteria is based on the quality and completeness of the proposal, workplan and project specific planning, estimate for quantity and manhours, overall cost, and their ability to provide a plan or information that clearly separates them from their competition.

The following information is being provided as a guideline of the type of project that we typically utilize for our Annual MCAA Student Chapter Competition Project. The list of the project guidelines and the required contractor support will help you chose a project from your company that would qualify for a national competition.

I. PROJECT GUIDELINES

1. Overall total cost of the Mechanical portion of the project should be within \$2M - \$5M
2. Projects included in the following categories are recommended:
 - Bid and spec
 - Design build
 - Combination of both

3. Projects containing design must include enough preliminary design information for the students to fully understand the intent of the project and have a basis for their design.
4. Past projects have included work from the following categories:
 - Commercial
 - Institutional
 - Manufacturing
 - Industrial
 - Utility
5. Project must be heavy mechanical including plumbing, hydronics, or process piping. They can also include HVAC equipment and duct. Use of subcontractors for smaller portions of the project are helpful. Large subcontracted projects are less helpful to the students.
6. Projects that contain unusual or complex constructability issues are encouraged.
7. Projects that contain a BIM or modeling requirements are encouraged.
8. The primary requirement will be the owner's willingness to release the project information to MCAA to be utilized as a training project. They must understand and agree to release the original bid documents and any pertinent final project information for distribution to 61 current MCAA student chapters.

II. CONTRACTOR SUPPORT

Contractors providing a project for consideration must at a minimum, be willing to provide the following:

1. Project Information including the following:
 - Overall cost of mechanical portion of the project
 - Labor, material, equipment, and subcontractor breakouts
 - Manhours – Preferably with breakout
 - Quantities (footage of pipe, Lbs. of duct, # of fixtures, etc.)
 - Design information if applicable
 - 3D model if available
 - Any special project considerations
2. Once a project has been submitted and is selected by the committee a representative from the contracting firm that was involved in the project would need to be made available to perform a project review and answer questions with a representative of the career development competition committee. The committee will determine if this can be accomplished remotely or if we will send a representative to the contractor's office for this review.

3. During the proposal process the teams will send RFI's that may require input from a member of the original project team. We would request that the competition chair be allowed communication abilities with someone from this group as needed throughout the bid phase to assist with any questions that may require additional project knowledge.

The following optional engagements increase the effectiveness of the competition experience for the students. Consider participation in the following in-person or virtually:

1. Presentation of the project at the summer Career Development Committee meeting.
2. Assist in the presentation to the students of the project at the Great Futures Forum.
3. Attend the final four competition and assist judging at the national MCAA Convention.
4. Assist with a recap of the competition at the final student chapter meeting during the national MCAA Convention.

The continued success of our industry is dependent on our entire membership reaching out in support of educating the next generation of young adults as they prepare for the start of their careers. The MCAA Career Development initiative is second to none in the construction industry and your support will allow us to maintain that advantage. We look forward to your company playing a role in building our future.

All submissions and inquires can be directed to Michele Hoffman, mhoffman@mcaa.org.

Thank you on behalf of MCAA's Career Development Committee!